



**National Institute of Technology  
Tiruchirappalli**

# **Institute Day 2019**

**16th April 2019**



# **A Report on Achievements**

## **NATIONAL INSTITUTE OF TECHNOLOGY:**

**TIRUCHIRAPPALLI**

**Tamil Nadu - 620 015**

The National Institute of Technology, Tiruchirappalli has distinguished itself on the national scene this year by being ranked first among the 31 NITs (fourth in a row) and Tenth among all the technical institutes in the country by the National Institute Ranking framework (NIRF) of the Government of India. Established as the Regional Engineering College (REC) in 1964, the salubrious campus became NIT, Tiruchirappalli in 2007 and is an Institution of National Importance under MHRD, Government of India. The President of India is the visitor of the Institute.

NIT, Tiruchirappalli follows credit-based academic programmes with flexible curricula, minor specializations, flipped class rooms and new evaluation models. The Institute has won the prestigious CII-AICTE best industry linked institute, National level awards from FICCI for social responsibility and University of the year 2017 (above 30 years) and from ASSOCHAM for the best institute to use ICT tools in education. NIT, Tiruchirappalli has been declared the Best Innovation Club at the Festival of Innovation and Entrepreneurship (FINE) held at Rashtrapathi Bhawan in 2018, by the President of India. NIT Trichy became the only NIT among the thirty-one NITs in the country to be awarded a position in the Swacch Campus Rankings (2018). NIT also bagged the Green Campus Award conferred by TNPCB. The institute also received High Impact Entrepreneurship Campus Award jointly awarded by the Ministry of Skills Development and Entrepreneurship.

NIT, Tiruchirappalli has forged links with peer universities and institutes, both at the national as well as international levels, to enhance research and enrich its academic programmes. The alumni have distinguished themselves through their achievements in and contributions to the domains of industry, academics, research, business, and governance. The institute continues to work closely with the alumni to enhance its activities through interactions in academic and research programmes as well as to mobilise financial support. The Institute has 17 Academic departments and runs 10 UG Programmes, 27 Masters Programme, MS by Research and Ph.D. Programmes in major fields of Engineering, Sciences, Humanities and Management.

### **UNDERGRADUATE PROGRAMMES**

#### **A. Bachelor of Technology (8 Semesters)**

1. Chemical Engineering
2. Civil Engineering
3. Computer Science and Engineering
4. Electrical and Electronics Engineering
5. Electronics and Communication Engineering

6. Instrumentation and Control Engineering

7. Mechanical Engineering

8. Metallurgical and Materials Engineering

9. Production Engineering

#### **B. Bachelor of Architecture (10 Semesters)**

1. Architecture

### **II. POSTGRADUATE PROGRAMMES**

#### **A. Master of Technology (4 Semesters)**

1. Energy Engineering
2. Chemical Engineering
3. Process Control and Instrumentation
4. Transportation Engineering and Management
5. Construction Technology and Management
6. Structural Engineering
7. Environmental Engineering
8. Computer Science and Engineering
9. Power Electronics
10. Power Systems
11. Communication Systems
12. VLSI System
13. Industrial Safety Engineering
14. Thermal Power Engineering
15. Material science and Engineering
16. Industrial metallurgy
17. Welding Engineering
18. Industrial Engineering and Management
19. Manufacturing Technology
20. Non-Destructive Testing
21. Data Analytics

#### **B. Master of Architecture (4 Semesters)**

1. Energy Efficient and Sustainable Architecture

#### **A. Master of Science (4 Semesters)**

1. Computer Science
2. Chemistry
3. Physics

#### **B. Master of Business Administration (6 Trimesters)**

#### **C. Master of Computer Applications (6 Semesters)**

### **III. Master of Science (By Research)**

All Engineering Departments

### **IV. Doctor of Philosophy**

All Departments

#### **Vision**

To be a university globally trusted for technical excellence where learning and research integrate to sustain society and industry.

#### **Mission**

- To offer undergraduate, postgraduate, doctoral and modular programmes in multi-disciplinary / inter-disciplinary and emerging areas.
- To create a converging learning environment to serve a dynamically evolving society.
- To promote innovation for sustainable solutions by forging global collaborations with academia and industry in cutting-edge research.
- To be an intellectual ecosystem where human capabilities can develop holistically.

## **Director's Message**

### **Institute Day 2019**



Most Respected Padmashri Prof. Deepak Phatak, Deans, HODs, Registrar, Faculty and student achievers, ladies and gentlemen,

Let me begin by congratulating the faculty, alumni, staff and students of NIT, Trichy for their phenomenal accomplishments in 2018-19. Let me place on record some of our laudable milestones in the last year

With immense happiness and pride, I report our impressive ranking position in this year's NIRF India Rankings. Our tradition of excellence continues and has reached newer heights this year. We have broken in to the elite league of top 10 Engineering Institutions in India. This was the challenge given to me by the then Additional Secretary Mr. R Subrahmanyam, (Now the Secretary Higher Education), when I joined NIT Trichy 2 years back. This rise means that NIT Trichy now also outranks all other NITs and various IITs. Also we have moved up in the overall rankings from 31<sup>st</sup> position to 24<sup>th</sup> position and retain first position among other NITs, thanks to improvements in its scores for research volume, industry-academia collaborations, perception and unbeatable talent in our campus. We are also the 7<sup>th</sup> best for Architecture and 17<sup>th</sup> best for Management in the country. I am also happy to report that The Times Higher Education World University Rankings 2019 ranked the institute in 601-800 band in Engineering and Technology, Physical Sciences and Computer Sciences streams. In the QS world University Rankings by Subject, five of our Departments are featuring in the 451-500 range. We have improved substantially, thanks to every stakeholder who made this possible. Although I am deeply gratified by the outcome, let me remind you what Voltaire has said once: "with great power comes greater responsibility."

NIT's strength is its research enterprise. There is a tremendous surge in publications in Scopus and Web of Science indexed journals. We have 871 publications and 12594 citations in Scopus and 569 publications and 9192 citations in Web of Science respectively. Our institute has also filed 46 patents in the last year. So far we have received 9 SPARK projects. Another historic achievement is the inauguration of the 190 Crore Centre of Dynamic Excellence in Manufacturing in partnership with Siemens Industry Software, by the Union Minister for Human Resource Development, Prakash Javadekar in October 2018. The event also witnessed the unveiling of the Institute's five-year Strategic Plan (2019-2024) which seeks to transform the Institute to a global, multidisciplinary University, with research driven teaching, to improve our world rankings. We also revised the Vision, Mission statements and embellished our emblem. With an aim to expand our global footprint and to reshape ourselves

as a cosmopolitan institution of the 21<sup>st</sup> century, NIT Trichy has recently appointed a new Dean (Alumni & International Relations) established a fully functional Office of Alumni-Institute Interaction Cell. Through various new initiatives, this office liaison with distinguished alumni of the institute and collaborates with international universities, towards establishing new alliances.

The year witnessed deepening relationship and biggest industry-academia collaborations. We signed many MoUs with major industries, including Tata Steel Ltd., Tata Motors, BHEL, Tech Mahindra, Airports Authority of India, to name a few. NIT organized CII Trichy Zonal meet and agreed to allow its R&D and testing facilities available at various Centres of Excellence and Departments for the use of SMEs. I am sure these joint ventures will develop innovative technologies and unlock entrepreneurial energy of the institute.

I am also glad to inform you that NIT Trichy was chosen to organize Leadership for Academicians Program (LEAP), a unique initiative of the Ministry of Human Resource Development in collaboration with Nanyang Technological University, Singapore and Indian Institute of Information Technology, Chittoor. Some of our faculty members attended and benefitted from the program.

In addition to mapping of faculty both at Professor and Associate Professor cadre, I am proud to report that NIT Trichy recruited 48 new faculties, and promoted 131 existing faculties in 2018, after ten long years. Our institute also recruited senior non-teaching staff in the same year.

Let me also congratulate the commendable services rendered by the Press and Media Relations office which issues regular news releases and remains the point of contact for journalists and new media. The year also marked the introduction of new sections in administration such as Recruitment Section and Purchase and Store Section. I am also happy to share that Dr. Montek Singh Ahluwalia, former Deputy Chairman of Planning Commission, Govt of India inaugurated the new Building for Training and Placement activities.

Our students are our asset. I am delighted to state that our institute won second prize at Singapore-India Hackathon 2018. Pursuing the theme "Solution for Humanity," in a 36-hour hackathon held at Singapore, Prime Minister Narendra *Modi* felicitated our team. Earlier NIT Trichy hosted Smart India hardware hackathon in June 2018 and the software Hackathon in March 2019. Our academic preeminence is complemented by a strong sports program. Our institution emerged overall winner in the All India Inter-NIT Sports meet. As always, our cultural festival, Festember and our ISO certified techno-managerial festival Pragyan witnessed an array of distinguished lectures and workshops. Renowned quantum physicist Spyridon Michalakis from California Institute of Technology was part of the 15<sup>th</sup> edition of Pragyan. NIT is also proud to be associated with MHRD's Unnat Bharat Abhiyan, a programme that aims to improve the quality of life in rural areas and part of the Margadarshak scheme of AICTE where

the Institute mentors 14 colleges. Deepening its commitment for farmers, NIT Trichy in collaboration with IIFPT developed a 2TR prototype solar assisted cold storage which can store vegetables without electricity.

NIT Trichy continues its promise to environment and is becoming more desirable place for our fraternity to live and collaborate. In our effort to make an eco-friendly and sustainable campus, we initiated a large scale greening of the campus and, accordingly, we planted 5000 saplings in the last 6 months. In the year 2018, NIT Trichy became the only NIT among the thirty-one NITs in the country to be awarded a position in the Swacch Campus Rankings (2018). NIT also bagged the Green Campus Award conferred by TNPCB.

In recent times our institution has taken several measures to improve the participation of women in science, technology as well as in administration. Taking this initiative forward, a six-day national seminar sponsored by the National Commission for Women titled "Women in Science & Technology: Breaking the Glass Ceiling" was organized by the Women's cell and TEQIP start-up cell recently.

I also take this opportunity to congratulate all the achievers, both faculty and students who will receive medals, awards and certificates today. As Lorii Myers states, "when the awareness of what is achievable brushes your life, your journey has begun."

While I am proud of the achievements of NIT Trichy on all aspects so far, we have much more potential yet to be realized. We have to create an international presence and impact, further improve our global and national rankings, develop innovative solutions, and contribute more to the society and neighborhood around us. With research-led teaching, inspiring faculties, highly skilled staff, and well-developed students, the transition, I believe, will be seamless. After all, as Vince Lombardi states, "the achievements of an organization are the results of the combined effort of each individual." I am also confident that we will successfully complete the priorities identified in the strategic plan.

Let us all work diligently as a team to make this institution reach newer heights.

Jai Hind!

**Dr. Mini Shaji Thomas**

**Director**

**National Institute of Technology, Tiruchirappalli**

**April 2019**

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## **INSTITUTE ADMINISTRATION**

Director	Dr. Mini Shaji Thomas
Dean (Faculty Welfare)	Dr. T. K. Radhakrishnan
Dean (Academic)	Dr. S. Shanmugam
Dean (Students Welfare)	Dr. Samson Mathew
Dean (Institute Development & Alumni Relations)	Dr. S. Raman Sankaranarayanan
Dean (Planning and Development)	Dr. C. Natarajan
Dean (Research and Consultancy)	Dr. M. Umapathy
Registrar	Shri. A. Palanivel
HOD / Architecture	Dr. G. Subaiyan
HOD / Chemical Engineering	Dr.(Mrs). K. M. Meera S. Begum
HOD / Chemistry	Dr. S. Anandan
HOD / Civil Engineering	Dr. K. Baskar
HOD / Computer Applications	Dr. S. R. Balasundaram
HOD / Computer Science and Engineering	Dr. Rajeswari Sridhar
HOD / Electronics and Communication Engineering	Dr. G. Lakshmi Narayanan
HOD / Electrical and Electronics Engineering	Dr. S. Sudha
HOD / Energy and Environment	Dr. N. Anantharaman
HOD / Humanities and Social Sciences	Dr. R. Joseph Ponniah
HOD / Instrumentation and Control Engineering	Dr. B. Vasuki
HOD / Management Studies	Dr. P. Sridevi
HOD / Mathematics	Dr. P. Saikrishnan
HOD / Mechanical Engineering	Dr. S. P. Sivapirakasam
HOD / Metallurgical and Materials Engineering	Dr. S. Kumaran
HOD / Physics	Dr. J. Hemalatha
HOD / Production Engineering	Dr. P. Sathiya
Head / Training Placement	Dr. A. K. Bakthavatsalam
Head / Computer Support Group	Dr. Ramakalyan Ayyagiri
Associate Dean (Faculty Welfare)	Dr. C. Sathiya Narayanan
Associate Dean (Faculty Welfare)	Dr. A. Arunagiri
Associate Dean (Academic / UG)	Dr. T. Ramesh
Associate Dean (Academic / PG)	Dr. V. Arul Mozhi Selvan
Associate Dean (Academic / MS & Ph.D.)	Dr. P. Muthuchidambaranathan
Associate Dean (Academic)	Dr. R. Gandhimathi
Associate Dean (Hostel Convener / Boys)	Dr. M. Arivazhagan
Associate Dean (OPAL Hostel / Girls)	Dr. R. Manjula
Associate Dean (Students Welfare)	Dr. S. Jerome
Associate Dean (Planning and Development)	Dr. P. Gopalakrishnan
Associate Dean (Planning and Development)	Dr. S. Senthilkumar
Associate Dean (Planning and Development)	Dr. S. Prasanna Venkatesan
Associate Dean (Institute Development & Alumni Relations)	Dr. Nisha Radhakrishnan
Associate Dean (Institute Development & Alumni Relations)	Dr. D. Ezhilarasi
Associate Dean (Research and Consultancy)	Dr. M. Jaya Bharatha Reddy
Associate Dean (Research and Consultancy)	Dr. R. Nagalakshmi
Nodal Officer (SC, ST, OBC, PwD and Minorities)	Dr. M. Punniyamoorthy
Chief Vigilance Officer	Dr. T. N. Janakiraman



**A REPORT ON ACHIEVEMENTS**  
**BY**  
**DEAN (ACADEMIC)**

Distinguished Chief Guest, Padma Shri **Prof. Deepak B. Phatak**, Subrao Nilekani Chair Professor, IIT-Bombay, beloved former Directors of NIT Tiruchirappalli, Dr. M. Arumugam and Dr. M. Chidambaram, **Prof. Mini Shaji Thomas, Director**, Deans, Heads of the Departments, Faculty members, Members of the Students' Council, Students and Alumni of NIT-Tiruchirappalli, Invited Guests, the Press and other Media Representatives.

I cordially welcome you all for this 56<sup>th</sup> edition of the prestigious institute day at NIT-Tiruchirappalli

Denis Waitley has said, "The most splendid achievement of all is the constant striving to surpass yourself and to be worthy of your own approval". The efficacious leadership and propitious motivation of our Director Professor Mini Shaji Thomas, staunch determination of faculty members, innovative performance of our students and scholars, and the laborious contribution of the staff have elevated the pinnacle of our institution to achieve profuse milestones:

A substantial number of 1,689 students have been awarded the degree in the 14th convocation of NIT-T held on July 28<sup>th</sup>, 2018. The AICTE Chairman Prof. Anil Dattatraya Sahasrabudhe has delivered the convocation address. NIT-T has taken a milestone step to nurture alumni relations and the meeting has been organized in New York city to meet the group of students graduated in the yesteryears at NIT-T.

Besides publishing several technical papers in SCI journals and books, all the departments are effectively engaged in other significant developmental activities as highlighted here.

The faculty of the Department of Architecture are very effective in carrying out significant consultancy works. The students of the department have won many distinguished prizes in sports, culturals, and academics.

Dr. G. Arthanareeswaran from the Department of Chemical Engineering has received two projects worth of Rs.58 lakhs from DST-IBCD and ASEAN-India. Dr. M. Arivazhagan has been awarded IUSSTF Base Fellowship from DBT-Foldscope worth Rs.8 lakhs. Dr. Sarat Chandra Babu and Dr. Arthanareeswaran have carried out consultancy services for Rs. 12.5 lakhs. The department has published three patents and filed one.

Dr. Ganesh Chandra Nandhi and Dr. Sarthak Mandal from the Department of Chemistry have DST Inspire Faculty research grant worth Rs. 49 lakhs. Dr. Somnath Garai, Dr. Ganesh Chandra Nandhi, and Dr. Velmathi have received three sponsored projects worth Rs.80 lakhs. The department has carried out consultancy works worth Rs.25.16 lakhs. Dr. S. Velmathy has been inducted as a Fellow of the Royal Society of Chemistry. Ms. Vijaya S – a research scholar

from the department has received Women Scientist award from DST worth Rs.18.31 lakhs. The students have received Taiwan internship and TEEP internship, besides other fellowships.

Dr. Jeevan Joseph from the Department of Civil Engineering has received sponsored projects worth Rs. 29 lakhs from DST. Dr. K. Muthukumaran has received research grant of Rs.18.3 lakhs from ISRO respond. The faculty of this department have recorded consultancy services worth Rs.190 Lakhs. The students of the department have been awarded internships at different foreign universities. They have also received fellowships like the Indian Academy of Sciences Fellowship as well as the TU Delft Excellence Scholarships.

Dr. B. Janet from the department of Computer Applications has received sponsorship for a candidate and workshops from CERT & MEITY and CDAC Mohali.

Dr. Kunwar Singh from the Department of Computer Science and Engineering, has received research grant of Rs.20 lakhs from DST-ICPS. The team of students mentored by Dr. Rajeswari Sridhar has won the 2<sup>nd</sup> prize worth Rs.3 Lakhs in the first Indo-Singapore software hackathon. A team represented by Final year and six- Second year students has won the first place at the Smart India Hackathon at Dehradun for the project under GAIL. The faculty members of this department have filed two patents.

Dr. C. Nithya from the Department of Energy and Environment has received the NRDC National Meritorious Invention Award, and Outstanding Woman Researcher Award. She has also received a project grant worth Rs.32 lakhs from DST-WOS. Dr. M. Premalatha and Dr. Ruben Sudhakar have carried out consultancy worth Rs.7 lakhs.

Dr. G. Saravana Ilango, Dr. C. Nagamani, and Dr. M. Jaya Bharata Reddy of the Department of Electrical and Electronics Engineering have received two project grants worth Rs. 80 lakhs from DST. Dr. Sankara Narayanan has carried out consultancy work for BHEL worth Rs.25.54 lakhs. Other faculty of this department have carried out consultancy worth Rs. 7.26 lakhs. Dr. Saravana Ilango has been awarded IUSSTF Base Fellowship worth Rs. 5.9 lakhs. Messrs Sagurthi Anil Kumar and Paila Laksmana Rao of the Department have won the prestigious POSOCO 2018 Awards. The department has filed a patent and has published one.

Faculty from the Department of Electronics and Communication Engineering have received five projects worth Rs. 150.54 lakhs.

Dr. Sathyaraj Venkatesan from the Department of Humanities and Social Sciences has been awarded a fellowship for his distinguished contributions made as a Fellow to the Modern Language Association International Bibliography, America. Dr. Vinod Balakrishnan has received Sahapedia Research Fellowship from UNESCO. Dr. S. Mekala as one of the investigators in this department has been granted IMPRESS-ICSSR project worth Rs.2 lakhs. Dr. N. Sivakumaran from the Department of Instrumentation and Control Engineering has been appointed as the Honorary Secretary for Institution of Engineers. Dr. C. Geetha has

received Young Woman Engineering award 2019. The Students from this department have won Grand Finale Smart India Hackathon 2019- Software Edition and other distinguished prizes from DAAD, NIT Suratkal, and IIT Varanasi. The faculty members of this department have been granted five projects worth Rs. 96.97 lakhs and the Consultancy work for Rs. 3.98 lakhs from CDAC. The department has filed four patents and has been granted one patent. Dr. N. Thamaraiselvan and Dr. V. J. Sivakumar from the Department of Management studies have won the best Professor in Marketing and Management respectively. The faculty members of the department have been granted projects worth Rs. 20 lakhs and carried out consultancy services worth Rs.3.89 lakhs.

The Department of Mathematics offers a PG program (M.Sc. Mathematics) from the academic year 2019-20.

Dr. S. Suresh from the Department of Mechanical Engineering has received Sir C. V. Raman Scientist Award. The students of this department have availed DAAD and MITCAS Scholarships and the Faculty members have received research grant of Rs. 82.1 lakhs. The department has carried out consultancy work for Rs. 6.9 lakhs. The department has filed three patents and published 11 patents. They have carried out consultancy service of Rs. 5.32 Lakhs.

Few Students from the Department of Metallurgical and Materials Engineering have been conferred with women of Mettle award, MITCAS award and other eminent awards. The department has received project works worth Rs.134.1 lakhs and carried out consultancy worth Rs.9.1 lakhs.

Dr. R. Nagalakshmi from the Department of Physics has received National Slovak Fellowship from Presoy University and an award for the significant contribution in sponsored Research Project from NIT-Tiruchirappalli. Dr. B. Karthikeyan has obtained a research project worth Rs. 41 Lakhs and has filed a patent. Dr. Annapureddy Venkateswarlu has been conferred a project of Rs. 35 Lakhs. Dr. Justin Joseyphus has received a grant of Rs.20 lakhs from SERB.

Dr. S. Vinod from the Department of Production Engineering has been accorded a Gold Medal in IIIE National essay competition and Dr. D. Lenin Singaravelu has secured DST-SERB International Travel Grant. Mr. M. Umar and Ms. A. Evavngeline have received the best paper award. Dr. M. Duraiselvam and Dr. Satheeshkumar have been granted projects worth Rs.35.32 lakhs and carried out consultancy services worth Rs.82.8 lakhs.

Dr. G. Thamaraiselvi, from the Central Library of the Institute has received the International Women Researcher award by IOSRD.

Festember'18, the annual cultural festival of NIT-T has started out with the social initiative of 'Channelled clarity towards charity', an inter-school literature event. Over 17000 participants from 500 colleges across the country have participated in the festival. The students team

have brought the true spirit of Middle east in NIT-T campus with 'Arabian Odyseey' as a theme of Festember'18.

NITTFEST is being symbolised as the institute's philosophy of individual development reflecting in a tribute to creative genius in each NITT-ian.

Pragyan'19, an ISO-certified techno-managerial festival of NIT-Trichy, has been inaugurated by the Padma Shri M.Y.S. Prasad, former director of the Satish Dhawan Space Centre who has instigated the students about the mission to Mars and possibility of discovering the extra-terrestrial life. The former deputy chairman of erstwhile planning commission of India, Shri Montek Singh Ahluvalia and the renowned quantum physicist Spyridon Michalakis from California Institute of Technology were a part of Pragyan'19.

Last but not the least,

In the NIT-T inter-department Sports fete held on 8th September, our institute has emerged as the overall winner.

Harold Taylor has remarked, "The roots of true achievement lie in the will to become the best that you can become". The achievements procured by us in this academic year are our incentives to accomplish more in the future, for which we have to put our determined efforts. We have to desire and endeavour for the best in the upcoming years. Let us tap our potential opportunities and resources to give our optimal and significant contribution.

Jai Hind!

**Dean (Academic)**

**Prof. S. Shanmugam**

## A FEW ACCOLADES

- **India Rankings 2019 by NIRF- National Institutional Ranking Framework**

NIT Tiruchirappalli has been ranked first among all the NITs and 10<sup>th</sup> among all the Technical institutes in the country by the NIRF 2019 ranking system, moving up 24<sup>th</sup> position from 34, pertaining to the overall ranking. Also, 7<sup>th</sup> best for Architecture and 17<sup>th</sup> best for Management category.

Strategic Planning Group co-ordinated to achieve the recognition.

- **QS world University Rankings 2019 by Subject**

451-500: Mechanical Engineering, Production Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Instrumentation and Control Engineering.

551 – 600: Computer Science and Engineering and Computer Applications

Faculty and Students of the above Departments contributed to achieve this recognition

- **Singapore-India Hackathon-2018**

NIT Trichy bagged the overall 2<sup>nd</sup> prize in Singapore-India Hackathon-2018 with a cash award of \$6,000 SGD for building an effective learning platform based on crowd sourcing and live chat for expert interaction in a Neuro-Linguistic Processing engine.

Mr. Kartik Venkataran (IV year CSE), Mr Deep Bhattacharya (IV year CSE) and Mr. D. Arutselvan (IV year ECE) and mentor Dr. Rajeswari Sridhar, Associate Professor and Head of Department of Computer Science Engineering were the members of the team from NIT, Tiruchirappalli.

Prime Minister Narendra Modi presented the awards to the winning teams of the India-Singapore Hackathon 2018 on 15 November.

- **Green Award 2017**

National Institute of Technology, Tiruchirappalli has bagged Green Award 2017 from Tamil Nadu Pollution Control Board.

Dr. C. Natarajan, Dean (Planning and Development), Dr. S. T. Ramesh, Professor, Civil Engineering and members from Estate Maintenance Department coordinated to achieve this award.

- **Swachh Campus Ranking 2018**

National Institute of Technology, Tiruchirappalli is ranked 10<sup>th</sup> in the Swachh Campus Ranking 2018 under technical institution residential category.

Dr. Samson Mathew, Dean (SW), Dr. Gopala Krishnan, Associate Dean (Planning and Development) and Er. Narayanan, Executive Engineer, Estate Maintenance Department co-ordinated to achieve this award.

## ACHIEVEMENTS BY FACULTY

**a. Top Three Contributors in terms of number of Research Publications (Department wise) in 2018\* (Threshold: 3 Publications)**

S. No.	Department	Faculty	No. of Publications
1.	Chemical Engineering	Dr. P. Sivashanmugam	14
		Dr. T. K. Radhakrishnan	8.5
		Dr. G. Arthanareeswaran	7
2.	Chemistry	Dr. S. Anandan	24
		Dr. R. Karvembu	14.5
		Dr. S. Velmathi	10.5
3.	Civil Engineering	Dr. R. Gandhimathi	4
		Dr. S. T. Ramesh	4
		Dr. G. Swaminathan	4
4.	Computer Applications	Dr. S. R. Balasundaram	6.5
		Dr. G. R. Gangadharan	5.5
		Dr. U. Srinivasulu Reddy	4.5
5.	Computer Science and Engineering	Dr. N. Ramasubramanian	5.5
		Dr. E. Sivashankar	5.5
		Dr. B. Nithya	5
6.	Energy and Environment	Dr. M. Premalatha	8.5
7.	Electrical and Electronics Engineering	Dr. M. Jaya Bharata Reddy	8
		Dr. C. Nagamani	5.5
		Dr. M. P. Selvan	5
8.	Electronics and Communication Engineering	Dr. S. Raghavan	25.5
		Dr. R. Pandeeswari	8
		Dr. S. S. Karthikeyan	7
9.	Humanities and Social Sciences	Dr. Sathyaraj Venkatesan	5.5
10.	Instrumentation and Control Engineering	Dr. M. Umapathy	10.5
		Dr. G. Uma	10
		Dr. N. Sivakumaran	3.5
11.	Management Studies	Dr. V. J. Sivakumar	3
		Dr. N. Thamaraiselvan	3
12.	Mathematics	Dr. R. Ponalagusamy	4.5
13.	Mechanical Engineering	Dr. S. Suresh	20.5
		Dr. T. Ramesh	4.5
		Dr. K. R. Balasubramanian	4
14.	Metallurgical and Materials Engineering	Dr. B. Ravisankar	12.5
		Dr. S. Kumaran	10.5
		Dr. K. Sivaprasad	8.5
15.	Physics	Dr. A. Chandrabose	12
		Dr. N.V. Giridharan	11
		Dr. D. Sastikumar	7.5
16.	Production Engineering	Dr. P. Sathiya	11
		Dr. K. Panneerselvam	10
		Dr. V. Senthilkumar	8

\* Source: Web of Science & Scopus

**b. Top Three Contributors in terms of number of Research Citations (Department wise) in 2018\* (Threshold: 15 Citations)**

S. No.	Department	Faculty	No. of Citations
1.	Chemical Engineering	Dr. G. Arthanareeswaran	238
		Dr. N. Anantharaman	173
		Dr. T. K. Radhakrishnan	158
2.	Chemistry	Dr. S. Anandan	703.5
		Dr. R. Karvembu	513
		Dr. S. Velmathi	363
3.	Civil Engineering	Dr. R. Gandhimathi	404
		Dr. S. T. Ramesh	167
		Dr. K. Muthukumaran	27.5
4.	Computer Applications	Dr. A. Venkataswamy Reddy	332.5
		Dr. G. R. Gangadharan	53
		Dr. S. Nickolas	41.5
5.	Computer Science and Engineering	Dr. R. Leela Velusamy	21
		Dr. C. Mala	18
6.	Energy and Environment	Dr. M. Premalatha	86.5
		Dr. A. K. Bakthavatsalam	22.5
7.	Electrical and Electronics Engineering	Dr. Sishaj P. Simon	214
		Dr. C. Nagamani	172.5
		Dr. K. Sundareswaran	165.5
8.	Electronics and Communication Engineering	Dr. S. Raghavan	180.5
		Dr. R. Pandeeswari	60
		Dr. P. Muthuchidambaranathan	29.5
9.	Instrumentation and Control Engineering	Dr. M. Umapathy	78.5
		Dr. G. Uma	69.5
		Dr. N. Sivakumaran	56.5
10.	Management Studies	Dr. M. Punniyamoorthy	39
		Dr. N. Thamaraiselvan	25
		Dr. B. Senthil Arasu	17
11.	Mathematics	Dr. V. Ravichandran	76
		Dr. R. Ponalagusamy	48.5
		Dr. V. Lakshmana Gomathi Nayagam	34.5
12.	Mechanical Engineering	Dr. S. Suresh	544.5
		Dr. R. B. Anand	185
		Dr. T. Ramesh	108.5
13.	Metallurgical and Materials Engineering	Dr. K. Sivaprasad	240.5
		Dr. V. Muthupandi	228.5
		Dr. N. Ramesh Babu	224.5
14.	Physics	Dr. A. Chandrabose	488.5
		Dr. D. Sastikumar	160
		Dr. B. Karthikeyan	156
15.	Production Engineering	Dr. S. Vinodh	515.5
		Dr. R. Narayanasamy	398.5
		Dr. A. Noorul Haq	333

\* Source: Web of Science & Scopus

**c. Top Three Sponsored Research Projects in terms of the amount sanctioned (Department Wise) during 2018-2019\* (Threshold: 5 Lakhs)**

S. No.	Department	Principal Investigator	Funding Agency	Amount (Lakhs)
1.	Chemical Engineering	Dr. G. Arthanareeswaran	DST-IBCD & ASEAN-India	58.25
		Dr. M. Arivazhagan	DBT-Foldscope	8.00
2.	Chemistry	Dr. Ganesh Chandra Nandi	DST-INSPIRE & SERB-ECR	50.96
		Dr. Somenath Garai	SERB-ECR	38.06
		Dr. Sarthak Mandal	DST-INSPIRE	35.00
3.	Civil Engineering	Dr. Jeevan Joseph	SERB	28.86
		Dr. K. Muthukumaran	ISRO-RESPOND	18.36
4.	Computer Science and Engineering	Dr. Kunwar Singh	DST-ICPS	20.44
5.	Electrical and Electronics Engineering	Dr. G. Saravana Ilango	SERB & IUSSTF-Bhaskara	54.38
		Dr. M. Jaya Bharata Reddy	SERB-CRG	31.57
		Dr. C. Nagamani (Co-PI)	SERB	54.38
6.	Electronics and Communication Engineering	Dr. S. S. Karthikeyan	SERB-IMPRINT	53.06
		Dr. D. Sriram Kumar	SERB-IMP	51.73
		Dr. G. Lakshmi Narayanan	ISRO-RESPOND	23.66
7.	Humanities and Social Sciences	Dr. R. Murugesan	MSDE	38.61
8.	Instrumentation and Control Engineering	Dr. P. A. Karthick	SERB-ECR	39.12
		Dr. R. Periyasamy	DST-SEED & DST-IDP	37.89
		Dr. Ramakalyan Ayyagiri	DRDL	10.16
9.	Management Studies	Dr. B. Senthil Arasu	ICSSR	20.00
10.	Mechanical Engineering	Dr. S. Vedharaj	SERB-ECR	43.06
		Dr. S. P. Sivapirakasam	DST-TDT-AMT & Industry Partner	39.05
		Dr. K. R. Balasubramanian (Co-PI)		
11.	Metallurgical and Materials Engineering	Dr. S. Natarajan	GTRE-CARS	96.85
		Dr. S. Kumaran	ISRO-RESPOND	21.19
		Dr. K. Sivaprasad	DRDO-NRB	30.05
12.	Physics	Dr. B. Karthikeyan	SERB-CRG	43.25
		Dr. Annapureddy Venkateswarlu	DST-INSPIRE	35.00
		Dr. Justin Joseyphus	SERB-CRG	20.06

13.	Production Engineering	Dr. M. Duraiselvam (Co-PI)	GTRE-CARS	96.85
		Dr. V. Satheeshkumar	SERB	17.17

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

**d. Consultancy Projects in terms of the amount generated (Department Wise) during 2018-2019\* (Threshold: 6 Lakhs)**

S. No.	Department	Principal Investigator	Amount (Lakhs)
1.	Chemical Engineering	Dr. J. Sarat Chandra Babu	7.08
2.	Chemistry	Dr. V. M. Biju	12.91
3.	Civil Engineering	Dr. R. Jayasankar	54.18
		Dr. K. Muthukumaran	47.16
		Dr. S. Moses Santhakumar	22.72
		Dr. V. Sunitha	18.69
		Dr. C. Natarajan	16.93
		Dr. K. Baskar	10.74
		Dr. S. T. Ramesh	6.43
4.	Electrical and Electronics Engineering	Dr. V. Sankara Narayanan	25.55
5.	Energy and Environment	Dr. M. Premalatha	6.83
6.	Metallurgical and Materials Engineering	Dr. N. Ramesh Babu	6.88
7.	Production Engineering	Dr. M. Duraiselvam	62.42
		Dr. V. Satheeshkumar	20.12

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

**e. Special Achievement Awards for the Year 2018-19\***

S. No.	Department	Name of the Faculty	Title of project	Amount (Lakhs)
1.	Training & Placement	Dr. A. K. Bakthavatsalam	University Relations 2018 Fund (Industry Outreach activities)	9.50
2.	Instrumentation and Control Engineering	Dr. N. Sivakumaran	Mentor Institute under AICTE Margdarshan Scheme / Institute Co-ordinator	30.00

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

**f. Contributors in terms of Patent Filing in 2018\***

S. No.	Department	Faculty	No. of Patents Filed
1.	Chemical Engineering	Dr. T. K. Radhakrishnan	1
		Dr. P. Kalaichelvi	1
2.	Computer Science and Engineering	Dr. R. Leela Velusamy	1
3.	Instrumentation and Control Engineering	Dr. G. Uma	3
		Dr. M. Umapathy	3

4.	Mechanical Engineering	Dr. K. Sankaranarayanasamy	1
5.	Metallurgical and Materials Engineering	Dr. S. Muthukumaran	1
6.	Physics	Dr. B. Karthikeyan	1

\*Source: IPR Cell, NIT, Tiruchirappalli

#### g. Contributions in terms of Patent Granted in 2018\*

S. No.	Title of The Invention	Inventors	Patent Number
1.	A piezoelectric motor and a method of operating thereof	B. V. M. P. Santhosh Kumar K. Suresh U. Varun Kumar Dr. M. Umapathy Dr. G. Uma	299108
2.	A process for producing concrete that utilizes weld slag as a partial replacement to fine aggregate by blending with fine aggregate in concrete	T. Aaruyir Yoga Dr. J. Karthikeyan	295703

\*Source: IPR Cell, NIT, Tiruchirappalli

#### h. Best Department

The NIRF data team has analysed the data, collected from different administrative offices and through online. The results are presented below:

#### Engineering Discipline

S. No.	Departments	TLR (100)	RP (100)	GO (100)	OI (100)	Overall (100)	Rank
1.	Production Engineering	52.5	66.4	81.6	37.7	61.7	1
2.	Mechanical Engineering	61.5	59.6	80.9	33.0	61.7	1
3.	Metallurgical & Materials Engineering	53.5	64.9	77.2	33.2	60.0	2
4.	Electricals & Electronics Engineering	58.5	52.7	73.0	57.1	59.7	3
5.	Chemical Engineering	65.1	54.9	64.0	49.0	59.5	4
6.	Civil Engineering	61.6	50.5	62.0	52.9	57.0	5
7.	Electronics & Communication Engineering	55.7	40.0	80.2	43.0	54.5	6
8.	Instrumentation & Control Engineering	56.6	50.0	52.2	46.7	52.2	7
9.	Computer Science Engineering	54.2	23.6	81.4	60.5	51.2	8
10.	Energy and Environment	86.2	36.4	28.7	29.1	50.0	9
11.	Computer Applications	51.3	39.3	28.5	38.7	40.7	10

### Non Engineering Discipline

S. No.	Departments	TLR (100)	RP (100)	GO (100)	OI (100)	Overall (100)	Rank
1.	Chemistry	97.6	77.8	88.0	32.5	83.4	1
2.	Physics	68.6	55.8	75.4	54.9	66.5	2
3.	Management Studies	57.7	28.7	72.2	47.5	55.3	3
4.	Architecture	44.5	5.7	67.1	32.2	42.4	4
5.	Humanities & Social Sciences	63.8	14.8	16.3	1.0	34.3	5
6.	Mathematics	51.3	24.0	16.3	0.0	30.5	6

TLR: Teaching, Learning & Research

RP: Research & Professional Practice

GO: Graduation Outcome

OI: Outreach & Inclusivity

Based on Overall score, the following Departments were awarded under best Department category.

#### Engineering Discipline:

- Department of Production Engineering
- Department of Mechanical Engineering

#### Non- Engineering Discipline:

- Department of Chemistry

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

Batch	Rank	Roll Number	Name	CGPA
2014	1	102114054	SHIBASHISH DEVIDUTTA JAYDEV	9.93
2014	2	102114055	SHRINITHA K THIYAGARAJAN	9.32
2014	3	102114003	AADHITHYAA H	9.27
2015	1	102115060	SRIHARI S	9.88
2015	2	102115014	IYER SHWETA SHANKAR	9.78
2015	3	102115038	R ABHINANDAN NABERA	9.61
2016	1	102116002	AKASH DHARSAN U S	9.95
2016	2	102116035	NISCHAL MATHUR	9.63
2016	3	102116004	AKHAND PRATAP SINGH	9.49

**B.Tech. / CIVIL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	103114071	R GAYATHRI PRIYA	9.47
2014	2	103114094	SHRADHA PANDA	9.44
2014	3	103114082	S R GIRISH KUMAAR	9.4
2014	3	103114075	REKULA MANASWINI	9.4
2015	1	103115008	ANTRIKSH SRIVASTAVA	9.9
2015	2	103115020	DINKAR PARASHAR	9.62
2015	2	103115095	U SETHU VINAYAGAM	9.62
2015	3	103115003	ABHISHEK RAJ	9.54
2016	1	103116094	VISHAL KUMAR	9.8
2016	2	103116035	KEDARISETTI ASHRITHA	9.67
2016	3	103116088	TRINAYAN DAS	9.56

**B.Tech. / COMPUTER SCIENCE AND ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	106114101	VEDURUPAKA NAVEEN KUMAR	9.65
2014	2	106114070	PRODDUTURI HEMANTH KUMAR REDDY	9.56

2014	2	106114011	ANUGRAHAA V R	9.56
2014	3	106114021	CHIDELLA VAGDEVI	9.53
2015	1	106115066	PRIYANKA PAL	9.82
2015	2	106115005	AISHWARYA NAIR	9.78
2015	3	106115003	ABHINAYA S B	9.73
2015	3	106115051	MADHAV SANKAR K	9.73
2016	1	106116007	AMAN KUMAR	9.56
2016	1	106116041	K A SUDHARSHAN	9.56
2016	1	106116088	SHUBHENDRA PAL SINGHAL	9.56
2016	2	106116002	AJISH SEKAR	9.53
2016	2	106116081	SARAVANAN T	9.53
2016	3	106116066	RAJAT BHATTA	9.49
2016	3	106116084	SHIVANI CHANDER	9.49

**B.Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	107114006	AMIT ASHISH	9.73
2014	2	107114079	R SANGEETHA	9.65
2014	3	107114068	NANDA KISHORE V	9.63
2014	3	107114027	DIPTAK PAL	9.63
2015	1	107115010	ARNAB BHATTACHARJEE	9.89
2015	2	107115045	KOTNI TIRUMALA SAI AKHIL	9.69
2015	3	107115092	SUBHADEEP AICH	9.61
2016	1	107116011	ARADHANA.M.P	9.85
2016	2	107116008	AMRITHA S B	9.81
2016	2	107116024	DEBJYOTI CHATTERJEE	9.81
2016	3	107116001	AARYAN S SHAH	9.77

**B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	108114017	ASHWIN R	9.86
2014	2	108114015	ARVIND NATARAJ S	9.63

2014	3	108114067	R HARIHARAN	9.6
2014	3	108114087	SHREYA RAJKUMAR	9.6
2015	1	108115073	RUPESH GUPTA	9.94
2015	2	108115063	PORVIKA BALASUBRAMANIAN	9.63
2015	3	108115062	P M MOHAMED MUZAFFAR	9.59
2016	1	108116107	YASHVANTH.L	9.87
2016	2	108116067	RAJIV RAMACHANDRAN	9.67
2016	3	108116089	SRIDHARSHINI M	9.65

#### B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	110114073	S S FARHAD NAWAZ	9.55
2014	2	110114020	C SAI RAGHEV VAGHUL	9.45
2014	3	110114018	BINDRA NISHIT SINGH NAVNEET SINGH	9.33
2015	1	110115017	B RINU PREETHI	9.72
2015	2	110115039	ILLAPU SHARMILA	9.51
2015	3	110115071	PALLAMPATI GNANA SAI SRI HARSHA	9.43
2016	1	110116031	G VISHAAL	9.74
2016	2	110116068	RAJU DEVANG BALRAJ	9.41
2016	3	110116069	R GOKUL RAJ	9.39

#### B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	111114055	KARTIK PRAKASH	9.58
2014	2	111114068	PRAJAPATI NEHAL	9.55
2014	3	111114102	TANGSALI KAUSTUBH MAHESH	9.53
2015	1	111115088	SHAH SAUMYA PRAVINBHAI	9.93
2015	2	111115079	RAJPUT AJINKYASINH ANILSINH	9.84
2015	3	111115099	UPADHYAY ARIJIT ALIP	9.7
2016	1	111116089	SRIDHARSAN K S	9.91
2016	2	111116046	M NAARENDHARAN	9.57
2016	3	111116073	RUBIN JACOB	9.55

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

Batch	Rank	Roll Number	Name	CGPA
2014	1	112114059	V ARTHI	10
2014	2	112114053	STUTEE NANDA	9.79
2014	3	112114007	DANDALA SRIJA	9.6
2015	1	112115005	AYUSH KHURANA	9.8
2015	2	112115017	KULKARNI ANISH NIRANJAN	9.65
2015	3	112115056	SHREYA RENGARAJAN	9.46
2016	1	112116028	KARTHIKEYAN H	10
2016	1	112116045	R DEVI JANANI	10
2016	2	112116011	ARPIT JAIN	9.79
2016	3	112116063	Y DHARANI JAYA	9.62

**B.Tech. / PRODUCTION ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2014	1	114114031	HARDIK H DUBAL	9.88
2014	2	114114074	SAMRUDDHA KOKARE	9.78
2014	3	114114023	DAKSH KHANTER	9.71
2015	1	114115067	PRAVEEN M	9.65
2015	2	114115013	ARVIND ASHOK	9.58
2015	3	114115064	PATRUNI HEMANTH KUMAR	9.56
2016	1	114116055	PRATIKSHYA SAHOO	9.69
2016	2	114116070	S ARAVIND	9.6
2016	3	114116045	M NIVEDITA	9.53

**B.Tech. / I YEAR (2017)**

Batch	Rank	Roll Number	Name	CGPA
2017	1	108117041	HIMANSHI GUPTA	9.94
2017	1	110117078	SHASHVAT JAYAKRISHNAN	9.94
2017	2	102117066	UPAMANYU PATTNAIK	9.91
2017	2	107117106	VISHESH BIYANI	9.91
2017	3	108117064	M PRANAV	9.89

**B.Arch. / ARCHITECTURE**

Batch	Rank	Roll Number	Name	CGPA
2013	1	101113018	JESLU CELINE JACOB	9.2
2013	2	101113047	VISHNUPRIYA MADAKA	8.78
2013	3	101113009	ANLET NIVA ROSE	8.67
2014	1	101114013	MITHRA R	9.24
2014	2	101114023	PRIYA S	9.22
2014	3	101114046	V LAXMI SRAVANI	9.16
2015	1	101115021	MD HASEEN AKHTAR	9.61
2015	2	101115008	CHIRASMITA DAS	8.43
2015	3	101115026	OISHE GHOSH	8.25
2016	1	101116007	ATHIRA P R	8.52
2016	2	101116035	SAICHARAN KALYANARAMAN	8.06
2016	3	101116009	BODAKUNTI SUNIL KUMAR	8
2017	1	101117037	SRI AAKASH S	8.86
2017	2	101117030	R SANJANA	8.62
2017	3	101117011	HARGUDE SHREYASH	8.48

**INSTITUTE DAY PRIZE WINNERS (2019) / M.Tech. / M.ARCH./ M.Sc. / MCA / MBA****M.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	202116003	VINAY BARNABAS	9.09
2016	2	202116015	MADHU	8.97
2016	2	202116016	ANAGHA B	8.97
2016	3	202116023	SONAM YADAV	8.89
2017	1	202117001	A.D.MEGHANA	9.24
2017	2	202117014	NIVEDITHA JR	9
2017	3	202117020	SURISETTY RAMYA	8.93

**M.Tech. / ENERGY ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	202316003	MUTHIAH G	9.81
2016	2	202316010	J JOEL TITUS	9.61
2016	3	202316008	KIRUBAHARAN R	9.19
2017	1	202317012	ROJA K	9.71
2017	2	202317001	AVINASH KUMAR	9.6
2017	3	202317010	JUDEFELIX J	9.45

**M.Tech. / PROCESS CONTROL AND INSTRUMENTATION**

Batch	Rank	Roll Number	Name	CGPA
2016	1	202216002	VONGURI KRANTHI KUMAR	8.92
2016	2	202216005	DOIPHODE MANISH SHEKHAR	8.62
2016	3	202216012	DASU ANOOP KUMAR	8.41
2017	1	202217001	AITHAMREDDY CHANDANA	9.2
2017	2	202217011	JORTIN ABRAHAM JAMES	8.9
2017	3	202217007	VIDHI SHAH	8.28

**M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT**

Batch	Rank	Roll Number	Name	CGPA
2016	1	203116021	VARUN KUMAR DANDA	9.35
2016	2	203116012	PIDATHALA VAISHNAVI	9.09
2016	3	203116002	ANU JACOB	8.68
2016	3	203116026	SREYA MADHAVAN	8.68
2017	1	203117020	POOJA C P	9.52
2017	2	203117023	NISHA M SAMUEL	9.07
2017	3	203117007	RACHIT SHARMA	8.95
2017	3	203117025	NIDHI KATHAIT	8.95

**M.Tech. / STRUCTURAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	203216002	APARNA SATHYAPALAN	9.35

2016	2	203216026	JYOTHS PAUL E	9.14
2016	3	203216014	ANANDU ARAVIND	8.95
2017	1	203217015	SHRUTI MITTAL	9.12
2017	2	203217031	THASLEEN N	9.05
2017	3	203217028	RENJITH KUMAR	8.79

#### **M.Tech. / ENVIRONMENTAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	203416026	PREETHI V	9.21
2016	2	203416014	MEENU THAMBI	9.11
2016	3	203416011	ALPHONSA C JOY	8.98
2017	1	203417021	DHIVYALAKSHMI JAYABAL	9.48
2017	2	203417010	VALETI SRIKANTH	8.93
2017	3	203417023	NALAM N V D L H S S ARUNA LAKSHMI SUSMITHA	8.83

#### **M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT**

Batch	Rank	Roll Number	Name	CGPA
2016	1	203516011	SAIKEERTHANA A	9.48
2016	2	203516013	KAMANI SAWAN JAYANTILAL	9.23
2016	3	203516004	SUHANYA E	9.17
2017	1	203517010	SANCHARI BANERJEE	9.18
2017	2	203517014	MANISHITA DAS	9.17
2017	3	203517019	SHUBHAM SONI	9.05

#### **M.Tech. / DATA ANALYTICS**

Batch	Rank	Roll Number	Name	CGPA
2017	1	205217010	SINGARAJU DAKSHAYANI	9.6
2017	2	205217005	SUBHASHINI Y	9.42
2017	3	205217014	VANDANA SINGH	9.32

**M.Tech. / COMPUTER SCIENCE AND ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	206116007	MIDHUN P	9.95
2016	2	206116005	SELVAPRAKASH P	9.62
2016	3	206116020	SIVAKUMAR P	9.53
2017	1	206117023	ANJALI T P	9.65
2017	2	206117014	SNIGDHA JAIN	9.62
2017	3	206117019	VIBHASHREE DESHMUKH	9.10

**M.Tech. / POWER SYSTEMS**

Batch	Rank	Roll Number	Name	CGPA
2016	1	207116003	PAILA LAKSHMANA RAO	9.90
2016	2	207116010	MANISH KUMAR	9.66
2016	2	207116015	ARYESH NAMBOODIRI	9.66
2016	3	207116017	MAHIMA M	9.32
2017	1	207117003	KAPADIYA HUSSAIN NOORUDDIN	9.4
2017	2	207117018	KARNATI SURESH REDDY	9.08
2017	3	207117004	KUMBHA GOPI	8.88

**M.Tech. / POWER ELECTRONICS**

Batch	Rank	Roll Number	Name	CGPA
2016	1	207216016	SREELAKSHMY J MENON	9.68
2016	2	207216017	AKHILA P V	9.29
2016	3	207216015	SUNKARA DURGA PRASANTH	9.18
2017	1	207217021	MISTRY Khetalkumar Shaileshkumar	9.2
2017	2	207217013	MAHTAB AHMED	8.95
2017	3	207217011	KAMPALLY SRI KANAKA PRASANNANJALI	8.92

**M.Tech. / COMMUNICATION SYSTEMS**

Batch	Rank	Roll Number	Name	CGPA
2016	1	208116010	SHAIK MAHAMMAD	9.68
2016	2	208116019	VINEETHA YOGESH	9.53

2016	2	208116020	INDULEKHA K P	9.53
2016	3	208116021	HARISH REDDY M	9.29
2017	1	208117003	SANKAR N NAIR	9.6
2017	2	208117025	SORAPALLI JNANA SUBRAHMANYAM	9.43
2017	3	208117005	RATHINA VEL S	9.38

**M.Tech. / VLSI SYSTEM**

Batch	Rank	Roll Number	Name	CGPA
2016	1	208216008	MADALA LAKSHMI RENUKA	9.97
2016	2	208216003	AMBAVARAPU KHAJAMASTAN	9.52
2016	2	208216007	POOJA DINANI	9.52
2016	3	208216028	VISHNUPRIYA V	9.36
2017	1	208217015	PRADEEP J	9.88
2017	2	208217022	BOBBILI VINITHA	9.52
2017	3	208217026	MOHAMMED AKHIL P R	9.14

**M.Tech. / INDUSTRIAL SAFETY ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	211216026	ASHIMA SABU	9.90
2016	2	211216010	PEMMAKA VENKATA SUSMITHA	9.44
2016	3	211216024	ANOOP SHANKAR K P	9.15
2017	1	211217003	ADHIL MOIDEEN T	9.14
2017	2	211217005	ASHWIN PAVITHRAN K C	8.97
2017	3	211217027	ANURADHA MISHRA	8.92

**M.Tech. / THERMAL POWER ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	211316013	HAROON AL ZAMAN	9.44
2016	2	211316025	DHEERAJ NARSIAN	9.41
2016	3	211316006	KARTIK BHANGALE	9.20
2017	1	211317019	SAURABH PRAJAPATI	9.57
2017	2	211317002	ABIN FRANCIS	9.16

2017	3	211317034	RAHUL JAISWAL	9.14
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### M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	212116024	ILHAR UL HASSAN M S	9.82
2016	2	212116016	YANDRAPU GNANA TEJASWI	9.57
2016	3	212116002	AFTAB ALAM	9.09
2017	1	212117003	ANITHA T	9.22
2017	2	212117007	JADHAV DASHAN TANAJI	9.05
2017	2	212117035	VIJAY KUMAR BHARTI	9.05
2017	3	212117001	ABHINABA CHANDRA	8.8
2017	3	212117010	MAGESHKAR M	8.8

### M.Tech. / MATERIAL SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	212216014	PANDE SNEHAL DILIP	9.35
2016	2	212216007	NATTA PRASANNA	9.09
2016	3	212216006	H TUSHARA BHARATHI	8.98
2017	1	212217009	ABHISHEK SINGH	9.22
2017	2	212217012	G.KARTHICK	8.63
2017	3	212217002	KOSURI BHAVANI	8.54

### M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2016	1	212316006	SANGEETHA G	9.91
2016	2	212316008	VISHNU SURESH	9.82
2016	3	212316017	ANKIT SINGH	8.95
2017	1	212317006	RAJ KULDEEPSINH RANVIRSHINH	9.46
2017	2	212317014	ASWIN KUMAR C	8.71
2017	3	212317007	A DINESH KUMAR	8.41
2017	3	212317012	MANI V	8.41

**M.Tech. / NON DESTRUCTIVE TESTING**

Batch	Rank	Roll Number	Name	CGPA
2016	1	213116014	SREECHAND G S	9.86
2016	2	213116009	KRISHNARAJ K	9.45
2016	3	213116007	MITHUN P M	9.08
2016	3	213116008	JOYDWIP KARMAKAR	9.08
2017	1	213117001	ABIN SAJI	9.25
2017	2	213117008	VIGNESH K	9.1
2017	3	213117012	VEROTHI YESWANTH	8.95

**M.Tech. / MANUFACTURING TECHNOLOGY**

Batch	Rank	Roll Number	Name	CGPA
2016	1	214116004	KACHHADIYA ANIKET MANSUKHLAL	9.68
2016	2	214116019	VAISAKH M	9.36
2016	3	214116025	ROSH LUCKOSE	9.17
2017	1	214117025	VYSAKH MOHAN	9.64
2017	2	214117002	ADITYA GOEL	9.33
2017	3	214117005	ANTONY GEORGE	9.31

**M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT**

Batch	Rank	Roll Number	Name	CGPA
2016	1	214216015	PRABHU S	9.48
2016	2	214216014	AMIT VERMA	9.47
2016	3	214216002	PULKIT JHA	9.33
2017	1	214217026	R HARIKRISHNAN	9.73
2017	2	214217016	SAURABH LALWANI	9.71
2017	3	214217031	TENTU RAVI TEJA	9.42

**MBA / MANAGEMENT STUDIES**

Batch	Rank	Roll Number	Name	CGPA
2016	1	215116021	TRYAMBAK CHATTERJEE	9.78
2016	2	215116027	GUNDLAPALLI SREEHARSH	9.72
2016	3	215116035	FAYHA ABDUL KAREEM	9.33

2017	1	215117047	IHZAZ.V	9.55
2017	2	215117012	AISWARYA PRINCE	9.2
2017	3	215117029	KRITIKA	9.16

**M.Sc. / CHEMISTRY**

Batch	Rank	Roll Number	Name	CGPA
2016	1	204116002	SHRAVAN R KOUSIK	9.9
2016	2	204116001	MYTHREYI N R	9.07
2016	2	204116012	MUHAMMED ARSHAD K	9.07
2016	3	204116007	CARLSON ALEXANDER	8.9
2017	1	204117001	M SAI SHRUTHI	9.08
2017	2	204117006	ATHIRA K M	8.97
2017	3	204117021	CINI M SURESH	8.71

**M.Sc. / PHYSICS**

Batch	Rank	Roll Number	Name	CGPA
2016	1	213216003	SWATHI S	9.79
2016	2	213216011	EVAN KURIAN	9.36
2016	3	213216010	RESHMA REBA ALEXANDER	8.86
2017	1	213217012	ANIKET DEY	9.84
2017	2	213217007	ATHULYA BABU	9.42
2017	2	213217016	KOWSALYA D	9.42
2017	3	213217009	KRISHNAPRIYA D	9.39

**M.Sc. / COMPUTER SCIENCE**

Batch	Rank	Roll Number	Name	CGPA
2016	1	216216003	TRUPTI BALIGA B	9.72
2016	2	216216010	POURNA R K	9.62
2016	3	216216001	JEMIMASHREE BENNET G	9.48
2017	1	216217003	SWATHIKA E	9.37
2017	1	216217021	SWAPNIL BHATTACHARJEE	9.37
2017	2	216217006	GANGA GOWSALYA P	8.92
2017	3	216217001	SOUNDHAR G	8.82

**MCA / COMPUTER APPLICATIONS**

Batch	Rank	Roll Number	Name	CGPA
2015	1	205115009	GUNJAN BHADANI	9.76
2015	2	205115003	SHUBHAM JAIN	9.62
2015	3	205115042	SHREYA JAIN	9.36
2016	1	205116025	SUMAN CHOUDHARY	9.58
2016	2	205116049	NEELAM GOUR	9.42
2016	3	205116002	SHUBHAM MADAN	9.39
2017	1	205117005	SWAPNIL OJHA	9.74
2017	2	205117068	CHANDER SHEKHAR	9.71
2017	3	205117002	SHAIKHA KHAN	9.5

**M. Arch. / ARCHITECTURE**

Batch	Rank	Roll Number	Name	CGPA
2016	1	201116005	RESHMI R	9.11
2016	2	201116003	JESNA MATHEW	8.46
2016	3	201116014	TARUN VERMA	8.37
2017	1	201117010	PRASHANTHINI RAJAGOPAL	9.43
2017	2	201117003	CHITTELLA RAVI CHANDRAN	9.05
2017	3	201117011	R.S.PRIYAVARSHINI	8.92

**ENDOWMENT AWARDS**

S. No.	Name of the award	Roll Number	Name
1.	Smt. G. S. Raja Lakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering.	102115060	SRIHARI S
		102115014	IYER SHWETA SHANKAR
		102115001	A MUTHUKRISHNAN
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.,	103115020	DINKAR PARASHAR
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101113018	JESLU CELINE JACOB

4.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213117001	ABIN SAJI
5.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107115045	KOTNI TIRUMALA SAI AKHIL
6.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	112114059	V ARTHI
		112116028	KARTHIKEYAN H
		112116045	R DEVI JANANI
7.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108115073	RUPESH GUPTA
8.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102117066	UPAMANYU PATTNAIK
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110115009	ANAND M
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110115017	B RINU PREETHI
11.	Prof. Ibrahim / Dr. Sittaraman Award for the best outgoing student of DoMS	215117047	IHZAZ V
12.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215117034	TANKALA SHALENI GUPTA
13.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108115073	RUPESH GUPTA
14.	Karthik S Memorial Award For the First Rank Holder upto VII semester in B.Tech Production Engineering.	114115025	DIVAHAR J
15.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder upto VII semester in B.Tech. ECE	108115073	RUPESH GUPTA
16.	Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester	211217003	ADHIL MOIDEEN T

	M.Tech. industrial safety Engineering.		
17.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	110117093	VAISHNAVI VENKATESWARAN
18.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112115005	AYUSH KHURANA
19.	Dr. T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc Physics in I and II Semester	213217012	ANIKET DEY
20.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108116107	YASHVANTH.L
21.	Mr. Oisik Adak Endowment Award for "Best Creative Designer" in the Department of Architecture	101114048	VIGNESH KIRAN
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture	This award is not given in this academic year due to change of the concerned subject from odd- semester to even semester. This will be resumed from the next academic year onwards.	
23.	S J Chainulu Medal of Excellence (For the First Rank Holder in First year)		
	1. Chemical Engineering	102117066	UPAMANYU PATTNAIK
	2. Civil Engineering	103117060	MUNINDAR JIVARAM AHIR
	3. Computer science and Engineering	106117032	ISHANI SRIVASTAVA
	4. Electrical and Electronics Engineering	107117106	VISHESH BIYANI
	5. Electronics and Communication Engineering	108117041	HIMANSHI GUPTA
	6. Instrumentation and Control Engineering	110117078	SHASHVAT JAYAKRISHNAN
	7. Mechanical Engineering	111117058	MANU AATITYA R P
	8. Metallurgical and Materials Engineering	112117028	MANAN ATUL SURAIYA
	9. Production Engineering	114117064	POLA VAMSI RAHUL
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215117020	GAYATHRI.V.C

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 <sup>th</sup> Semester and also be active in sports activities)	112115056	SHREYA RENGARAJAN
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	112116045	R DEVI JANANI
27.	Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai	112115005	AYUSH KHURANA
28.	Best NCC Cadet	112115025	MEGHNA NARAYANAN
		111115045	KOPPUSETTI CHAITANYA
29.	Dr. P. Subramanian award	102115060	SRIHARI. S
30.	Dr. S. H. Ibrahim memorial award	102115014	SHWETA SHANKAR IYER
31.	RECT'78 alumni medal for the best outgoing girl student	110115080	AMRUTHA S
32.	RECT'78 alumni scholarship	112117052	SRIPADA N V S S SAHITHI
		108117079	R K S TARUN

#### ALUMNI AWARDS (B. Tech. / B.Arch.)

Sl. No.	Department	Roll No.	Name	CGPA
1.	Architecture	101114023	PRIYA S	9.67
2.	Chemical Engineering	102115060	SRIHARI. S	9.79
3.	Civil Engineering	103115020	DINKAR PARASHAR	9.54
4.	Computer Science and Engineering	106115005	AISHWARYA NAIR	9.75
5.	Electrical and Electronics Engineering	107115010	ARNAB BHATTACHARJEE	9.87
6.	Electronics and Communication Engineering	108115073	RUPESH GUPTA	9.93
7.	Instrumentation and Control Engineering	110115009	ANAND M	9.49
8.	Mechanical Engineering	111115088	SHAH SAUMYA PRAVINBHAI	9.67
9.	Metallurgical and Materials Engineering	112115005	AYUSH KHURANA	9.58
10.	Production Engineering	114115025	DIVAHAR J	9.38

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

Sl. No.	Dept./Specialization	Roll. No.	Name	CGPA
1.	<b>Chemical Engineering</b>			
	Chemical Engineering	202117001	A.D.MEGHANA	9.19
	Process Control and Instrumentation	202217001	AITHAMREDDY CHANDANA	9.15
2.	<b>Energy and Environment</b>			
	Energy Engineering	202317012	ROJA K	9.78
3.	<b>Civil Engineering</b>			
	Transportation Engineering and Management	203117023	NISHA M SAMUEL	9.06
	Structural Engineering	203217015	SHRUTI MITTAL	9.09
	Environmental Engineering.	203417021	DHIVYALAKSHMI JAYABAL	9.37
	Construction Technology and Management	203517010	SANCHARI BANERJEE	9.13
4.	<b>Computer Science and Engineering</b>			
	Computer Science and Engineering	206117023	ANJALI T P	9.48
5.	<b>Electrical and Electronics Engineering</b>			
	Power Systems	207117018	KARNATI SURESH REDDY	9.06
	Power Electronics	207217021	MISTRY KHETALKUMAR SHAILESHKUMAR	9.15
6.	<b>Electronics and Communication Engineering</b>			
	Communication Systems	208117003	SANKAR N NAIR	9.69
	VLSI System	208217015	PRADEEP J	9.69
7.	<b>Mechanical Engineering</b>			
	Thermal Engineering	211317019	SAURABH PRAJAPATI	9.67
	Industrial Safety Engineering	211217003	ADHIL MOIDEEN T	9.35
8.	<b>Metallurgy and Materials Engineering</b>			
	Welding Engineering	212117007	JADHAV DASHAN TANAJI	9.04
		212117035	VIJAY KUMAR BHARTI	9.04
	Materials Science and Engineering	212217009	ABHISHEK SINGH	9.17
	Industrial Metallurgy	212317006	RAJ KULDEEPSINH RANVIRSINH	9.58
9.	<b>Production Engineering</b>			
	Manufacturing Technology	214117025	VYSAKH MOHAN	9.70
	Industrial Engineering and Management	214217016	SAURABH LALWANI	9.76
10.	<b>Physics</b>			
	Non-Destructive Testing (M.Tech.)	213117001	ABIN SAJI	9.42
	Physics (M.Sc.)	213217012	ANIKET DEY	9.73
11.	<b>Chemistry</b>			

	Chemistry (M.Sc.)	204117001	M SAI SHRUTHI	8.93
		204117006	ATHIRA K M	8.93
12.	<b>Management Studies</b>			
	Master of Business Administration	215117047	IHZAZ.V	9.36
13.	<b>Computer Applications</b>			
	Master of Computer Applications	205116025	SUMAN CHOUDHARY	9.46
	<b>Computer Science (M.Sc.)</b>	216217021	SWAPNIL BHATTACHARJEE	9.53

#### **OTHER AWARDS (INSTITUTED BY RECAL)**

Sl. No.	Name of the award	Roll Number	Name
1.	Overall Outstanding Student of the year	114115025	DIVAHAR J
		102115014	SHWETA IYER
2.	Anand Chidambaram Memorial Award	102115018	KARTHIK SRINIVASAN
3.	Outstanding Sportsman	103115076	S.LALIT KUMAR
4.	Outstanding Sport Woman	108115100	VASUKI MONOHARAN
5.	Best Batsman of the year	413115051	M. KIRUBANITHY
6.	Best Bowler of the year	114115043	KAUSHIK KILLANA

## ENDOWMENT AWARDS

### **G. S. Rajalakshmi Award:**

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

### **Prof. Ibrahim –Dr. Sitaraman Award:**

Prof. Ibrahim, a former Head of Chemical Engineering Department, was the Professor- in-charge of the 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 the Management department since the program was introduced in this Institute. He was instrumental in giving a proper direction to the programme listing out objectives, updating the syllabus till he settled abroad in late 80s. In appreciation of the efforts of both the worthies during the formative years of the department, an endowment has been created by its Alumni which is given to the best MBA student. The endowment carries a Citation and a Cash award.

### **Dr. M. Shanmugam Endowment award for I rank holder in Civil Engineering:**

Dr. M. Shanmugam a former Professor and Head of the Civil Engineering Department of this college was a specialist in the area of Structures. He took voluntary retirement to concentrate on consultancy. This award goes to the topper in Civil Engineering. 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 the I to VII semesters.

### **Architect Kharche Endowment Award:**

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

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

This award is instituted by Mr. Adak, a senior executive with BHEL, whose multi-talented son, Oisik, a promising painter and poet, passed away while he was a student at NIT, Trichy. This award recognizes creativity among the students of Architecture. It carries a cash prize and a certificate

### **Joseph Martin Fernando trophy for excellence in the study and documentation of Vernacular Architecture:**

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

**Shri. M. S. Balakumaran Endowment award for the 1<sup>st</sup> rank holder in M.Tech. Non Destructive Testing:**

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

**Prof. T. Balasubramanian Award:**

This award is instituted by Prof. T. Balasubramanian, Professor of Physics, and formerly Dean (academics) and Head of the Physics department. He joined this Institution in 1998 as Professor. This award on completing 40 years of service as Physics teacher. is presented for the best academic performance in I year M.Sc. Physics.

**Prof. S. Muthukaruppan Endowment award for the 2<sup>nd</sup> rank holder in Electrical and Electronics Engineering:**

Prof. S. Muthukaruppan was a faculty in the 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.

**Dr. A. L. Abdus Sattar Memorial Award:**

This award is instituted in memory of Prof. Abdus Sattar, one of the ECE Professors instrumental in developing the department during its formative years. Dr. Sattar genuinely cared for his students. As a professor, mentor, friend and guide, he was always available. Simple and unpretentious, Dr. Sattar led 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 the outstanding student in the third year of Electronics and Communication Engineering, who best exemplifies the spirit of the late Dr. A.L. Abdussattar. It carries a citation and 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, with an endowment of Rs 10000/- in memory of his father. He retired from service in 1998. This award goes to the student with the best academic performance in the immediately concluded Academic year. This award carries a Citation and a cash purse.

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

This award was also 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

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Engineering for his/her outstanding performance up to the VII semester. The award carries a Citation and cash prize.

**Smt. Neela Balasubramanian Memorial Award:**

This award is instituted by Prof. Sekar, an alumnus and, currently, a Professor in IIM Bangalore in memory of his mother. This award is given to an Electronics and Communication Engineering student based on his performance from III to VII semesters and also based on his/her co-curricular activities. This award, that recognizes all-round excellence, carries a Citation and a cash purse.

**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 semesters. This award is presented to a student for his/her outstanding performance up to the VII semester. It carries a Citation and a Cash award.

**Dr. Sargurudoss Memorial award for the Best Mathematics Student in B.E. / B.Tech.**

This award has an interesting background. It is instituted in memory of the (Late) Dr. Sargurudoss, a Professor from Bishop Heber College, Tiruchirapalli. This award that comes with a citation and cash prize goes to the student for the best performance in Mathematics in the 1<sup>st</sup> year.

**Avinash memorial Award:**

The Avinash memorial award honours the Best outgoing student of Instrumentation and Control Engineering branch. The award is given, separately, to the best outgoing Male student as well as the best outgoing female student of Instrumentation and Control Engineering branch. It 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 came to NIT, Trichy with 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. It carries a Citation and a Cash award.

**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 the Management department. He joined the Institute in 1987 after completing his MBA programme in our Institute. After serving the Institute for close to 2 decades, he took up an assignment abroad. In order to honour his memory, the award was instituted to recognize the outstanding performance in Accounting and Finance subjects in the First Year.

**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. Incidentally, the father of the late Karthik is a senior professor in the department of Civil Engineering, Dr. G. Swaminathan. The endowment 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. The Mechanical Engineering department, was the first in the country to introduce, in 1984, a Postgraduate programme to highlight the importance of safety. This award is given to the topper in M.Tech. Industrial safety Engineering programme

**Sri Ramanujam and Smt. Sundari Ramanujam memorial Award:**

Sri Ramanujam and Smt. Sundari Ramanujam memorial award recognizes the best performance in English in I year B. Tech. during the academic year. This award is instituted by R. Gururaj, Associate Professor, Department of Humanities and Social Sciences, in memory of his parents. It carries a Citation and a cash prize.

**Mr. Subash Chandrabose endowment award for the Best Outgoing Student in B.Tech.****Metallurgical and Materials Engineering:**

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

**Dr. K.S. Pandey memorial Awards:**

A sum of Rs 1.17 lakh endowment was 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.

❖ **Dr. K.S Pandey memorial outstanding student award**

Dr. K. S. Pandey memorial goes to the 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 the 7<sup>th</sup> semester. Moreover, the awardee should be active in sports. The student is also given weightage for co-curricular and extra-curricular activities. The award carries a citation and a cash prize of Rs. 5000/-

❖ **Dr. K.S. Pandey memorial academic achievement award**

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

**S J Chainulu Medal of Excellence (For the First Rank Holder in First year): 10 Awards:**

This ward 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 the I year B.Tech. programme in each branch. The award carries a Medal and a certificate.

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

**The following Awards are Instituted by the R.E.C. Alumni (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, admired not only by his classmates but also by faculty. He was the 10<sup>th</sup> rank holder when he graduated from this Institute. In his memory his parents have instituted an award for the 10<sup>th</sup> rank holder of Chemical Engineering branch based on the performance from I to VII semesters. 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 the 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 famous spinners like 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, memento and a cash award of Rs 500.

**Overall Outstanding Student of the year:**

The outstanding student of the year is based on achievements in Academic / Sports / Cultural spheres besides Participation in social and voluntary organizations. This award carries a Citation and a Gold medal.

## PROFILE OF DEPARTMENTS

### Department: Architecture

The Department of Architecture was started in the year 1980, offering B.Arch. with an intake of 15 students. At present the department offers one Under-Graduate programme (B.Arch.), one Post-Graduate programme (M. Arch. in Energy Efficient and Sustainable Architecture) and research programme (Ph.D.) in Architecture and allied fields. The Department of Architecture is well recognized as one of the top institution offering Architecture education. The facilities of the department include separate computer lab for UG and PG students with all required software, building science laboratory, Model making workshop, Department library, Construction yard and Materials museum. There are 13 full –time faculty members specialized in various fields of Architecture. In addition, the department also invites academicians, practicing Architects and industry experts as guest faculty to impart practical knowledge to the students. The faculty members are also carry out architectural consultancy works. Faculty members are involved in research and published research papers in national and international journals as well as presented papers in international conferences. The students participate in various architectural competitions, co-curricular and extra-curricular activities. Every year the students participate in annual national level NASA (National Association of Students of Architecture) competitions and bring laurels to the department. Every year the students organize a national level technical event – ARHCULT, with the participation of students from other leading institutions. The Department is proud to share that the department is first to have a branch specific RECAL chapter. The department also acknowledges the contribution of alumni for the development of department.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	-	Scopus	4
2.	Conferences	Scopus	1	Others	12
3.	Sponsored Projects	No's	-	Amount (in lakhs)	-
4.	Consultancy work carried out	No's		Amount (in lakhs)	-
5.	Ph. D. graduation	Awarded	1	Submitted	1
6.	Conference / Seminar / Symposia / Workshops organized by the Department	1 / - / - / 4			

#### ■ 3-day national conference on "Recent Trends in Architecture and Civil Engg"

Architects from across India congregate at NIT-T

DC CORRESPONDENT  
TRICHY, JAN 10

The three-day first national conference on "Recent Trends in Architecture and Civil Engineering towards Energy Efficient and Sustainable Development" (NCACES '19) at National Institute of Technology, Tiruchirappalli (NIT-T) began on Thursday. The conference aims at sharing the knowledge of sustainable developments through the participation of researchers, academicians, and professionals from all over the world. Inaugurating the conference Ar V Jayaram, president, Council of Architects, said that the building sector consumed lot of energy during construction as well as



Chief Guest and other dignitaries with the conference proceedings during the inauguration session of the 3-day first national meet on architecture at NIT-T on Thursday.

—DC

operation phases. He warned that the conference to address the different facets of building sector that focus on sustainable and energy efficient solutions, which will foster a better future. At present India faced a formidable challenge in reducing its dependence on fossil fuels, natural resources, and energy supply infrastructure, he added. Dr Jayaram said, "The main goal of this conference is to share and discuss

solutions to achieve energy efficiency for sustainable development in architecture and civil engineering."

Prof. Muni Shaji Thomas, director, NIT-T speaking on the occasion said that the three-day meet is a green initiative of the campus and its neighbourhood, hosted by the Green Campus Committee and the Tamil Nadu Pollution Control Board. Dr K. Thirumurari, Chair, NCACES '19 in his welcome address said that the conference addressed various topics, including professionals, researchers, and students across the country are participating in the meet, he added.

While Dr. L. Sankara, co-Chair, NCACES '19 proposed a hearty vote of thanks.



### 3 - DAY NATIONAL CONFERENCE ON RECENT TRENDS IN ARCHITECTURE AND CIVIL ENGINEERING TOWARDS SUSTAINABLE DEVELOPMENT

## Department: Chemical Engineering

Established in 1967, the Department of Chemical Engineering, NIT Trichy is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. The department's vision is to be a global centre of academic and research excellence to serve the society. Chemical Engineering department, NITT is recognized as one of the leading department offering B.Tech.(Chemical Engineering), M.Tech. (Chemical Engineering) and M.Tech. (Process control and Instrumentation) in collaboration with ICE department and Ph.D. programme. The National Board of Accreditation (NBA) has granted all PG and UG courses offered by the department, the A (+3) certification for 3 years. The Department has built up good research, analytical instrumentation and computational facilities, through funding from the Ministry of Human Resources Development and research projects from Government Agencies and Industry. Core research specialization of the Department includes Energy, Environment, Process control and Advanced Materials. The Department is proud to share that our Alumni occupies prestigious positions across globe. The Department has initiated interaction with Industry to set up pilot plant which is being equipped with the state of the art instrumentation to validate the design models and evaluate the process parameters.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	75	Scopus	-
2.	Conferences	Scopus	10	Others	2
3.	Sponsored Projects	No's	6	Amount (in lakhs)	124.35
4.	Consultancy work carried out	No's	1	Amount (in lakhs)	2.5
5.	Ph. D. graduation	Awarded	4	Submitted	2
6.	No. of Patents Filed / Published / Granted	1 / 3 / -			
7.	No. of books / books chapters published	13			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	9 / 3			
9.	Conference / Seminar / Symposia / Workshops organized by the Department	2 / 1 / 1 / 3			
10.	Fellowships (Faculty) / Internship in Abroad (Student)	1 / 5			



Pilot Plant Test facility



ICACSE 2018- Recognition to Alumni

### 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, 5 research scholars successfully defended their thesis. 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. Lot of foreign professors visit department of chemistry often.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE			106
2.	Sponsored Projects	No's	8	Amount (in lakhs)	327.694
3.	Consultancy work carried out	No's	4	Amount (in lakhs)	27.90
4.	Ph. D. graduation	Awarded	4	Submitted	2
5.	No. of Patents Filed / Published / Granted	1			
6.	No. of books / books chapters published	6			
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	3			
8.	Fellowships (Faculty) / Internship in Abroad (Student)	5 (student)			



**A group of Faculties and researchers from Kaohsiung Medical University, Taiwan visited Department of Chemistry, NIT, Trichy and extend their openings for students**



**H. C. Neitzert (University of Salerno, Italy) Visit NIT and deliver a lecture under India-Italy joint project**

### Department: Civil Engineering

Civil Engineering Department is one of the oldest Departments started along with the inception of the then Regional Engineering College Tiruchirappalli during the Year 1964. The department offers One UG and three PG regular programmes such as Transportation Engineering, Structural Engineering and Environmental Engineering. The department also offers L&T sponsored M.Tech. Programme on Construction Management & Technology under the Build India Scholarship programme of Larsen and Toubro Ltd, Chennai. At the moment more than 84 research scholars are carrying out their PhD and MS research studies. Our faculty members are very active in Teaching, research and consultancy activities. Many faculties received sponsored research projects from various agencies such as DST-SERB & BHEL. The consultancy services are rendered various government agencies such as MEW, AAI, Indian Railways, CPWD, and state government organizations. Our Students are able to get internship at Universities abroad with the financial support of DAAD fellowship, MITACS fellowship, S-N Bose fellowship, NTU-India Connect Internship etc... and in leading Indian Institutes such as IIT's, IISc, and other prominent industries. In particular, 11 B.Tech. 3<sup>rd</sup> Year students received the MITACS Research Internship out of 55 students throughout the institute. Students also received prestigious fellowships such as Indian Academy of Sciences Fellowship, TU Delft Excellence Scholarships etc.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE:	26	Scopus:	24
2.	Conferences	Scopus:	4	Others:	-
3.	Consultancy work	No's:	Many	Amount (in lakhs)	110
4.	Research Projects	No's:	2	Total Amount (in lakhs)	46
5.	No. of Ph.D. produced	1 awarded + 3 submitted			
6.	Internship in Abroad (Student)	11 - Mitacs 1 - S. N. Bose 2 - DAAD			



Dr. K. Muthukumaran receiving  
Bharat Vikas Award 2018



Industrial Lecture on  
Intelligent Transportation System

### Department: Computer Applications

The Department of Computer Applications is one of the pioneering departments of the institution that offers Information Technology courses such as MCA and one among the top five offering MCA courses in the country. Our Department is NBA accredited for 5 years from 2017-18 to 2021-22. The department currently offers three full-time post-graduate programmes — three-year Master of Computer Applications (MCA), two-year Master of Science in Computer Science and two- year M.Tech. in Data Analytics. The department comprises of twelve faculty members (All of them with doctorate degrees) and is actively involved in research and in carrying out projects besides teaching. The persistence of the dedicated faculty in maintaining the standards is manifest in the successful placement and in the production of Ph.Ds. In this academic year, around four students are awarded their Ph.D. Degree. Our Faculty members have published about 35 papers in reputed journals such as SCI/SCIE/WOS and Scopus. Recently two scholars of our department have best paper award in IEEE conferences. Around 13 Students of II MCA have their internship in reputed concerns such as DE Shaw JP Morgan, SAP Lab, KLA etc., by now. Our Department students have overall winner award in IGNITE'18 conducted by NITK (Surathkal) and runner up in Login18 conducted by PSG College.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.					
1.	Articles	SCI & SCIE	19	Scopus	17	Others	9
2.	Conferences	Scopus		Others	38		
3.	Sponsored Projects	No's	2	Amount(in lakhs)	32.8		
4.	Consultancy work carried out	No's		Amount(in lakhs)			
5.	Ph. D. Graduation	Awarded	4	Submitted	3		
6.	No. of books / books chapters published	2					
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	7 / 9					
8.	Conference / Seminar / Symposia / Workshops organized by the Department	2 / - / - / 5					



1<sup>st</sup> and 2<sup>nd</sup> Sep Version 2018



27<sup>th</sup> and 28<sup>th</sup> October Optima 2018

### Department: Computer Science and Engineering

The Department of Computer Science and Engineering, NIT, Tiruchirappalli was started in the year 1983. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programme (M.Tech. in Computer Science and Engineering) and research programmes (M.S. and Ph.D.) in the various fields of Computer Science and Engineering. The department has proven its excellence in research by publishing nearly 70 papers in reputed journals and conferences that are indexed in prestigious databases like SCI, Scopus, IEEE, etc. Besides publications, the department faculty has also filed patents. The faculty and students of the department have received awards and fellowships. Notable among them are the international internships from DAAD, MITACS, NTU as well as internships in acclaimed national institutes like IIT Madras, IIT Bombay, the Indian Academy of Sciences, etc. The department association (CSEA) has conducted VORTEX, a technical symposium and has arranged workshops and guest lectures from reputed industries and organizations.

#### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	25	Scopus	30
2.	Conferences	Scopus	38	Others	7
3.	Sponsored Projects	No's	3	Amount(in lakhs)	156.43949
4.	Consultancy work carried out	No's	1	Amount(in lakhs)	20
5.	Ph. D. graduation	Awarded	6	Submitted	1
6.	No. of Patents Filed / Published / Granted	2 / - / -			
7.	No. of books / books chapters published	- / 1			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	3 / 5			
9.	Conference / Seminar / Symposia / Workshops organized by the Department	1 / - / - / 5			
10.	Fellowships (Faculty) / Internship in Abroad (Student)	- / 4			



October 2<sup>nd</sup> 2018 – Mahatma Gandhi's 125<sup>th</sup> Birthday celebrations



February 21<sup>st</sup> 2019 - Mathribasha Diwas Celebrations

### Department: Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was started in the year 1964. The department offers one Under-Graduate programme (B.Tech.), two Post-Graduate Programmes (M.Tech. in Power Systems and Power Electronics) and also Research Programmes (M.S. and Ph.D.) in the various fields of Electrical and Electronics Engineering. The department has proven its excellence in research by publishing several papers in highly reputed Journals and Transactions. The 20<sup>th</sup> National Power System Conference (NPSC) was organized during 14<sup>th</sup> – 16<sup>th</sup> December 2018. Around 943 authors across the globe had submitted 359 papers, of which 168 papers were selected for oral and poster presentation. The department received the AICTE funded project under the Margdarshan Scheme. By this scheme around 5 workshops have been conducted for the faculty of 14 mentor Institutes. Further, faculty and student Internship programmes have been conducted under this scheme. Apart, from this the department has received few research Projects funded through various funding agencies such as CPRI, DST and DST (SERB).

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	36	Scopus	23
2.	Conferences	Scopus	14	Others	Nil
3.	Sponsored Projects	No's	Nil	Amount (in lakhs)	Nil
4.	Consultancy work carried out	No's	4	Amount (in lakhs)	63.59
5.	Ph. D. graduation	Awarded	7	Submitted	4
6.	No. of Patents Filed / Published / Granted	1 / 1 / -			
7.	No. of books / books chapters published	1 / 1			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	4 / 8			
9.	Conference / Seminar / Symposia / Workshops organized by the Department	1 / 1 / 1 / 1			



**20<sup>th</sup> National Power System Conference  
(NPSC) 14<sup>th</sup> – 16<sup>th</sup> December 2018**

**Currents 2019  
15.02.2019 to 17.02.2019**

### Department: Electronics and Communication Engineering

The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The department offers Undergraduate (UG), Post Graduate (PG), M.S. (By Research) and Ph.D. degree programs that provide students with the knowledge and tools they need to succeed in the Electronics and Communication Engineering. Research in the department focuses on high-impact various disciplines: Communication systems, Wireless networks, Signal and Image Processing, RF MEMS and MIC, Microwave antennas, Optical communication and Photonics, VLSI technologies. In 1968, Five year B.E. Degree Programme in Electronics and Communication Engineering was offered with 40 seats affiliated to University of Madras. In the year 2003, the institution was granted Deemed University Status with the approval of the UGC/AICTE and Government of India and renamed as National Institute of Technology (NIT). Currently the department offers four-year B.Tech. course with student intake of 120. In 1976 the department started M.E. course in Communication Systems and in 1999, M.E. course in VLSI System was started. Both the PG courses having an intake of 28 students. Department produced first doctoral degree in 1989. In 2005, department started the course M.S. (By Research). The department of ECE is one of the established and largest departments in the institution. Our faculty brings state-of-the-art research, development, and design experience into the classroom, ensuring that our students and alumni are able to apply for registration as professional engineers in all part of global engineering and the scientific community. In all courses the Department has built an excellent reputation for its graduates in terms of placements.

### Summary (AY 2018 – 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	58	Scopus	6
2.	Conferences	Scopus	35	Others	-
3.	Sponsored Projects	No's	9	Amount (in lakhs)	Rs. 457.36
4.	Consultancy work carried out	No's	-	Amount (in lakhs)	-
5.	Ph. D. graduation	Awarded	7	Submitted	5
6.	No. of books / books chapters published	5 / -			
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	2 / 12			
8.	Conference / Seminar / Symposia / Workshops organized by the Department	- / - / - / 1			



**ECE Department Golden Jubilee Year celebration-2018**



**Felicitation function of Prof. P. SOMASKANDAN –29.07.2016**

### Department: Energy and Environment

Under the auspices of UK – India RECs Project: Energy Theme, Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (NIT-T) in 1995. Faculty had undergone training at various UK universities such as University of Salford, UMIST, Demonfort, Sheffield, Reading, Leeds and Building Research Establishment. CEESAT was renamed as Department of Energy and Environment (DEE) in 2014. The time of the department is shared equally between academic, research and consultancy activities. The consultancy activities are operated to generate surpluses without affecting the academic quality. The DEE facilities include the state-of-the art laboratories, equipped with sophisticated instruments and software. The ISO9001:2008 Certified labs are established in December 2014 with the objective of testing the research and industrial samples. NABL accreditation is obtained for calibration laboratory in February 2018. The major research activities at DEE include the areas are of bio energy, solar energy, CO<sub>2</sub> sequestration using microalgae, phyco remediation, Computational fluid dynamics, wind energy, energy efficient building design, and energy & environmental audit.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
		SCI & SCIE	15	Scopus	3
1.	Articles	Scopus	-	Others	-
2.	Conferences	No's	3	Amount (in lakhs)	38.6
3.	Sponsored Projects	No's	1	Amount (in lakhs)	3.24
4.	Consultancy work carried out	Awarded	4	Submitted	-
5.	Ph. D. graduation	- / 1 / 2			
6.	No. of Patents Filed / Published / Granted	- / 1			
7.	No. of books / books chapters published	1 / 4			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	- / - / 1 / 5			
9.	Conference / Seminar / Symposia / Workshops organized by the Department				



Energia 2k19, 21<sup>st</sup> March 2019



Guest lecture, 18<sup>th</sup> January 2019

### Department: Humanities and Social Sciences

The Department of Humanities and Social Sciences (formerly, the Department of Humanities) has been in existence since 2004. This top-ranked Department among the NITs is known for independent interdisciplinary research and for a dynamic collaboration between faculty and students. To meet the existing demands of industry, business, public and private organizations, academic and human services, the Department has constantly striven for a practical curriculum with a high degree of professional relevance, enabling students to face real time challenges. Accordingly, the Department has been offering a wide range of core and elective courses to undergraduates and graduates. The Department has been offering a full-fledged Ph.D. program since 2004 and has produced quality research work in newer areas of Humanities and Social Sciences. Recognizing the growing demand for humanities-based courses, the Department also offers Minor Degree Courses in Economics and in Language/Literature.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
		SCI & SCIE	9	Scopus	3
1.	Articles	Scopus	6	Others	4
3.	Sponsored Projects	No's	1	Amount (in lakhs)	2.0
4.	Consultancy work carried out	No's	-	Amount (in lakhs)	-
5.	Ph. D. graduation	Awarded	6	Submitted	2
6.	No. of books / books chapters published	1 / 5			
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	- / 13			
8.	Fellowships (Faculty) / Internship in Abroad (Student)	1 / 3			



**Short term courses on Data Science (AI&ML), blockchain technology (Business Innovation and application), under Cloud Computing (A Practical Approach) on March 11<sup>th</sup> to 15<sup>th</sup> 2019 at Chennai**

**FDP on “Empowering Teachers in 21<sup>st</sup> Century Skills Education”**

### Department: Instrumentation and Control Engineering

Department of Instrumentation and Control Engineering was established in the year 1993. It offers one Under-Graduate programme (B.Tech.), one joint Post-Graduate programme 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. 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.C. Geetha awarded Young Woman Engineer Award 2019 by IEI, Tiruchirappalli Local Centre. Kamalesh Palanisamy (110117039) won first prize in Grand Finale of Smart India Hackathon 2019 - Software Edition, Vishal Gopinath (110116031) got internship in Science and Engineering (WISE), 2019 and DAAD Fellowship.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.		
1.	Articles	SCI & SCIE	31	Scopus 02
2.	Conferences	No's	27	Others -
3.	Sponsored Projects	No's	06	Amount (in lakhs) Rs.185.31
4.	Consultancy work carried out	No's	01	Amount (in lakhs) Rs.20.00
5.	Ph. D. graduation	Awarded	06	Submitted
6.	No. of Patents Filed / Published / Granted	4 / - / 1		
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	6 / 4		
8.	Conference / Seminar / Symposia / Workshops organized by the Department	- / - / - / 4		
9.	Fellowships (Faculty) / Internship in Abroad (Student)	- / 1		



**Workshop on 'Basics and Advances in Electroencephalography' April 6th and 7th, 2019, Dept. of ICE, NIT, Trichy**



**Technical Symposium of ICE Department- SENSORS 2018 (6th and 7th of October, 2018)**

## Department: Management Studies

The Department of Management Studies (DoMS) was established in the year 1978. Since its inception, the mission of DoMS is focused towards enriching the society through education, research and consultancy. The proven strengths of DoMS are in the field of Business Analysis & IT Consulting and Business Analytics. DoMS also capitalizes resources of other engineering department of NIT-T in terms resource pooling and sharing for academic and research activities. The department also has a strong industry connect and the vast source of alumni network is the biggest asset that DoMS constantly leverages-on.

The department has achieved a momentous breakthrough this academic year through the persistent performance of its faculty, students and research scholars in academics, co-curricular and extra-curricular activities. DoMS, NIT Trichy has been ranked 17th position under management category in NIRF rankings 2019 by Government of India. Consistently DoMS was ranked Top 5 in South India, Top 5 in ROI, and Top rated among the top 100 B-schools in India.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE	10	Scopus	13
2.	Conferences	Scopus	-	Others	-
3.	Sponsored Projects	No's	2	Amount: (in lakhs)	41.52
4.	Consultancy work	No's		Total Amount: (in lakhs)	
5.	No. of Ph.D. produced / submitted	4 / 1			
6.	No. of books / books chapters published	1 / -			
7.	Industrial / Guest Lectures (conducted & arranged)	4 / -			
8.	Conference / Seminar / Symposia / Workshop organized by the Department	- / - / 1 / 1			

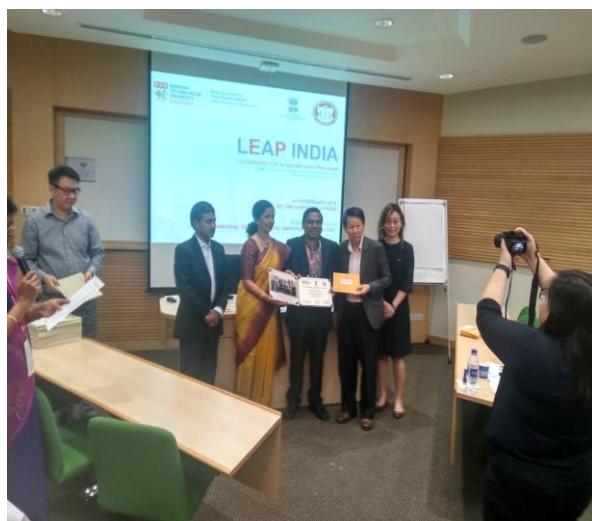


**Department: Mathematics**

Faculty members of department of mathematics have made good number publications in reputed journals and two Ph.D. research scholars completed viva. These outgoing students were placed in various academic and research organizations. Many of existing Ph.D. students have attended international and national conference and presented their research work organized by various leading institute. Also department faculty members have visited many universities and colleges and have given invited talks in national conferences and workshops. Professor K. Murugesan have attended LEAP (Leadership for Academicians program), organized by NIT, Trichy, IIIT, Sri City and NTU Singapore under the MHRD, Government of India. 4th -17th Feb, 2019. Department of mathematics offering new PG program M. Sc. (Mathematics) from the academic year 2019-20.

**Summary (AY 2018 - 19)**

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	15	Scopus	6
2.	Conferences	Scopus		Others	-
3.	Sponsored Projects	No's	-	Amount (in lakhs)	
4.	Consultancy work carried out	No's	-	Amount (in lakhs)	-
5.	Ph. D. graduation	Awarded	1	Submitted	1
6.	Conference / Seminar / Symposia / Workshop organized by the Department	2 / - / - / -			
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	- / 7			



**Professor K. Murugesan have attended LEAP during 4-17<sup>th</sup> Feb, 2019**



**Department of mathematics celebrated International Mother Tongue Day on 21<sup>st</sup> Feb, 2019**

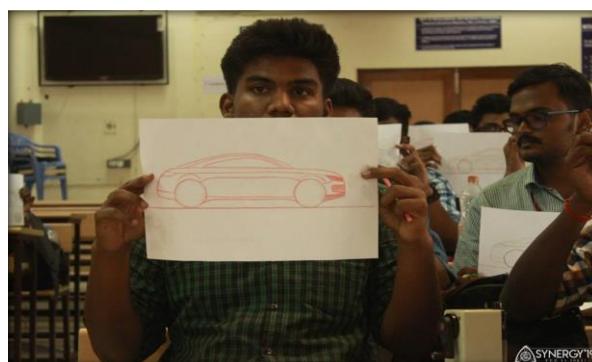
### Department: Mechanical Engineering

The Mechanical Engineering Association (MEA) is an organization under the department of Mechanical Engineering at NIT Trichy, which, apart from Synergy, organizes events, workshops, guest lectures, and industrial visits. This year MEA has established the Mechanical Innovation Centre (MIC), which is a platform for the highly motivated students with an aim for innovation. Furthermore, MEA aims at structuring the Alumni network for the first time which is under discussions.

Synergy is the National level annual technical symposium of the mechanical department of NIT Trichy. Conducted over a span of three days, the symposium is a celebration of the enigma that is mechanical engineering and every innovation pertaining to it. Playing host to a large-scale participation from numerous colleges of the country, it engages the brilliant minds with an array of workshops, events and guest lectures. Its main objective is to enhance the learning process by providing inventive insights to the cutting-edge innovations in the mechanical field. The department has consistently performed in Sportsfete (Inter-department sports fest) and NITTFEST (Inter-departmental cultural fest). This academic year, Mechanical Engineering has won the 1<sup>st</sup> place (Winners) in Sportsfete18-19 and has secured 2<sup>nd</sup> place (Runner-up) in Nittfest'19.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	64	Scopus	19
2.	Conferences	Scopus	6	Others	25
3.	Sponsored Projects	No's	4	Amount (in lakhs)	161.08
4.	Consultancy work carried out	No's	5	Amount (in lakhs)	5.32
5.	Ph. D. graduation	Awarded	2	Submitted	2
6.	No. of Patents Filed / Published / Granted	3 / 11 / -			
7.	No. of books / books chapters published	- / 14			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	4 / 12			
9.	Conference / Seminar / Symposia / Workshops organized by the Department	- / - / 6 / 1			
10.	Fellowships (Faculty) / Internship in Abroad (Student)	2 / 19			
11.	Student Publications/ Patents	3 / 1			



**Automobile Hand sketching workshop conducted in association with Ashok Leyland Ltd. (16<sup>th</sup> February 2019)**



**Interactive intern talks to prospective students by final year abroad interns (27<sup>th</sup> September 2018)**

### Department: Metallurgical and Materials Engineering

The faculty members and students of MME department have contributed significantly in 2018-19 at various levels, both nationally and globally, to the growth of the department and the institute, and it is been once again a very productive year. Dr. S. Muthukumaran and his team has organised a one-week international workshop on 'Advancements in Welding Technology', in Collaboration with Royal Academy, UK during 19-23<sup>rd</sup> June 2018. A GIAN course on "Environmental Degradation in Power industry and its control", funded by MHRD, was conducted by Dr. N. Ramesh Babu in December 2018. Dr. K. Sivaprasad and his team has organised another one-week short-term course on 'Recent trends in Materials and Manufacturing engineering' during 10-15, December 2018. A total of 42 SCI and 7 Scopus indexed journal papers were published by the faculty members and their research scholars during the year 2018-19. Prof. B. Ravisankar has published 3 books on different topic of Metallurgy, which are most needed for undergraduate curriculum. Few faculties have also delivered invited talks at various conferences and academic institutions.

A bunch of 3 girl students of the Final Year B. Tech. MME have won the prestigious 'Women of Mettle' award from TATA Steels. In addition, internships from various academic institutions and companies, both nationally and internationally, have been secured by the MME students, which include 9 students backing MITACS Canadian internship, 2 students backing both DAAD and SN Bose fellowship, and few others at Reliance and Axis Bank etc. Few research scholars of the department have attended various conferences and the proceedings were also published in nearly 10 Scopus indexed journals.

#### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE	42	Scopus	7
2.	Conferences	Scopus	7	Others	3
3.	Sponsored Projects	No's:	3	Amount: (in lakhs)	61.08
4.	Consultancy work	No's:	-	Total Amount: (in lakhs)	9.13
5.	No. of Patents obtained / submitted	1			
6.	No. of books / books chapters published	3			
7.	Industrial / Guest Lectures (conducted & arranged)	- / 7			



**International Conference on Materials and Manufacturing Methods, July 2019**



**International Workshop on Advancements in Welding Technology, 2019**

**Department: Physics**

Physics Department is now strengthened with 1 Professor-HAG, 3 Professors, 9 Associate Professors and 1 Assistant Professor. The department has been engaging in continuous teaching-learning process at all levels namely, B.Tech. (all branches), M.Tech. (Non-Destructive Testing) and M.Sc. (Physics) programmes. In addition, the department continues to strive hard in frontier research activities. As a result, our international publications in the last year scaled to 100, with 6 Ph.D. degrees being awarded. Our faculties are also consciously taking effort in organizing guest lectures, symposia, workshops and weekly seminars to enhance the learning scope for students. Our faculties and research scholars are actively involved in outreach activities of various forms. Finally, our post-graduate students are well placed in through campus placement, and some of them cleared GATE/NET examination and secured Ph.D. position in other institutions including IITs.

**Summary (AY 2018 - 19)**

S. No.	Details	Total Nos.			
		SCI & SCIE	93	Scopus	5
1.	Articles	Scopus	51	Others	
3.	Sponsored Projects	No's	2	Amount(in lakhs)	76.04
4.	Consultancy work carried out	No's		Amount(in lakhs)	
5.	Ph. D. graduation	Awarded	6	Submitted	
6.	No. of Patents Filed / Published / Granted	1 / - / -			
7.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	1 / 32			
8.	Conference / Seminar / Symposia / Workshops organized by the Department	1 / - / - / 1			
9.	Fellowships (Faculty) / Internship in Abroad (Student)	1			



InPhyNitt – 2019 organized on 06-03-2019

Quality 2019 Organized on  
06-03-2019

### Department: Production Engineering

The Production Department offers B.Tech. (Production Engineering), M.Tech. (Manufacturing technology), M.Tech. (Industrial Engineering and Management), M.S. and Ph.D. programmes. State-of-the-art laboratories are available in the areas of Machining, Forming, Welding, Casting, Robotics, CIM, CNC, Mechatronics, Modeling, Simulation, Ergonomics, Tribology, Composite materials and Operations Management. Many research papers have been published in journals and conferences. More than 140 Ph.D. degrees were awarded through research guidance by the faculty of Production Engineering. The department offers engineering consultancy in the areas of design, manufacturing and resource management. Production Engineering Department has obtained the Best Department Award 2019 among the Institute in appreciation of our contribution to the growth of the Institute in the Engineering discipline. UG and PG programmes are accredited by the NBA.

### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
		SCI & SCIE	54	Scopus	9
1.	Articles	Scopus	1	Others	9
2.	Conferences	No's		Amount (in lakhs)	
3.	Sponsored Projects	No's	6	Amount (in lakhs)	114.39
4.	Consultancy work carried out	Awarded	5	Submitted	2
5.	Ph. D. graduation				
6.	No. of Patents Filed / Published / Granted	1 / - / -			
7.	No. of books / books chapters published	- / 2			
8.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	1 / 12			
9.	Conference / Seminar / Symposia / Workshops organized by the Department	1 / - / - / -			



**Inauguration of Prodigy 2018 is an annual Symposium Inaugurated by Mr. Mariasundaram Antony, GM, GE Power, Bangalore on 12.10.2018**



**Inauguration of Siemens Centre of Excellence in Manufacturing by Shri. Prakash Javadekar, Hon'ble Minister for HRD, GoI on 05.10.2018**

### Centre of Excellence in Corrosion and Surface Engineering (CECASE)

CECASE has been growing from strength to strength in terms of its academic related and research activities. Since its formal inception in 2012, CECASE has bagged TWO projects. A sponsored Project from GTRE / DRDO on Surface Treatments and Mechanical Working On A I 3003 alloys for oil-tank applications got successfully completed along with final report submission during May/ June 2018. (Project Cost: Rs.9.80 Lakhs). Very recently, another project has been granted to CECASE by GTRE/ DRDO, Bangalore Seven project staff (3 SRF+ 2 JRF+ 2 Project Technicians) have been recruited and presently ongoing. The Project Cost is Rs.96.84 Lakhs. The duration is for three years from Oct.2018 to Sep.2021). CECASE is six years old. So far it has produced 05 MS and one PhD. under part-time external category. It has been effectively collaborating with 15 industrial organizations (private and public sectors) in the fields of education, research and consultancy. CECASE is planning to become global.

#### Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE			
2.	Conferences	Scopus	-	Others	-
3.	Sponsored Projects	No's	1	Amount(in lakhs)	Rs.96.84 lakhs
4.	Consultancy work carried out	No's		Amount(in lakhs)	
5.	Ph. D. graduation	Awarded	-	Submitted	1
6.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	- / 1			



**Group Photo taken on the event of training Programme / special guest lecture organized for the benefit of executives of Ordnance factory, Trichy & Naval staff (NAI), Gol on 08.06.2018. Prof. S. Natarajan, Chairman / CECASE, the invited speaker is seen at the Centre**



**Visit of the Secretary (Defence Production), Ministry of Defence, Gol, Dr. Ajay Kumar to CECASE Labs at NIT, Trichy on 20.01.2019**

**Department: Computer Support Group****Computing Resources:**

The OCTAGON - Computer Center is the sterling hallmark of this campus. This center serves the campus-wide LAN to about 6500 users across the campus (using both wired and wireless networks). It has a 10 Gbps fiber optic backbone interconnecting the departments/buildings. It also acts as a resource centre to supplement classroom instructions with laboratory sessions.

The OCTAGON & Annex buildings accommodate the central computing facilities, including a server room with 40+ high-end servers and 7 laboratories (5 labs in Octagon building and 2 labs in the Annex building) with totally 400 high-end computers. Also, the Octagon accommodates a Library, a Printer Room, and Centralized A/C Units and Power Backup. The LAN has been designed with a Full-duplex Gigabit Ethernet backbone offering an aggregate bandwidth of 10 Gbps between different Switches using Single mode fiber. All the switches are linked through OFC.

**Internet Access:**

NITT is connected to the Internet via 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) and 300 Mbps (1:1) leased line from Software Technology Park of India (STPi). Network security is provided through UTM appliance (Sonic Wall) and two Email Security appliances (Sonic Wall ES8300).

Currently Wi-Fi facility is available at Guest House, T&P, Library, Admin block, Deans Block, Dean Academic Office, Lecture Hall Complex, LYCEUM, OJAS, IT Center, Hostel Office, Shopping Complex, Hospital using Ruckus Access Points. All the 27 Student Hostels have been provided 600 HP Wireless Access Points (WAP) to enable students to access Internet and Intranet from their laptops.

There are about 220 switches, chiefly Extreme switches, located in 34 different buildings and 27 hostels. Network expansion still continues and work is on for making the campus Wi-Fi by deploying more number of Access Points.

**Laboratories:**

The Octagon Computer center has 7 laboratories with totally 400 high-end computers. All the laboratories (except Internet Lab) are open 24 x 7. Labs are used by B.Tech., M.Tech., M.S., and Ph.D. research scholars for their regular laboratory classes, to supplement the classroom lectures, to carry out their projects, and to develop their professional skills.

There is a First Year laboratory consisting of 99 Systems used exclusively by the students for their C, C++ Programming, and Engineering drawing courses.

**Library & Printer Room:**

The Computer Center Library has a collection of 5819 books & manuals, 3639 Software CDs, & Journals, and 200 Project Reports.

The printer room is equipped with a Network High Speed Laser Printer for and Students. A 50 PPM A3 High Speed Mono Laser Printer and a 60 PPM A4 Mono Laser Printer have been installed. Printouts are nominally charged to cover the operating costs.

**A/C Units and Power Backup UPS:**

All the laboratories in Octagon are provided with centralized Air conditioning units. All the Computer systems and servers are connected with 180 KVA ups power backups which provide 24 x 7 hours of uninterrupted operation. In case of power failure alerts are generated to the concerned technical team to monitor the charging and discharging status.

**Management Information System:**

The MIS Software is being developed in-house with the association of M/s. TCS.

**Members of Computer Support Group:**

The CSG consists of a professionally qualified and skilled team of Hardware, CAD/CAM, Software, Network Engineers, Technical Officers, Data Entry Operators, Computer Operators, and ad-hoc System Trainees. The Assistant engineers and Technicians are responsible for maintaining the air-conditioning units. There are about 1700 concurrent systems, and on an average everyday about 20 service calls are attended by the trainees. The activities inside the laboratories in the CSG are completely monitored security cameras. Further, the CSG is guarded by security personnel round the clock.

In addition to the above, the CSG undertakes

- Updating of website on a daily basis – no request from administration/departments/ faculty is pending beyond 30 minutes.
- All the purchases of computers and related items for the entire Institute are made available through the rate contract arrived at by the CSG.
- For all the Lecture Hall during teaching activity the CSG provides Audio and Video facility. Video conferences are also arranged in Lecture Hall Complex, OOM Room, EEE Auditorium, Barn Hall, A-2, A-11, A-12, and A-13 Halls during Festember, Pragyan, departmental national level students' symposia, Conferences, Workshops and other GoI /MHRD initiated meetings.
- Offer specialized training programmes to various organizations including BHEL, OFT, TNEB, HAP, High Energy Batteries India Ltd., SBI, IOB, CB, SBT, PWD, Govt. School teachers and so on.

**Department: 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 8000+ e-Journals and 2500+ 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.

**Summary (AY 2018 - 19)**

S. No.	Details	Total Nos.			
1.	Articles	SCI & SCIE	1	Scopus	-
2.	Conferences	Scopus	1	Others	-
3.	Conference / Seminar / Symposia / Workshops organized by the Department	- / - / - / 6			



**ACS (American Chemical Society) On Campus training workshop on “How to access and publish Quality Technical papers most out of ACS E-Journals”**  
**HELD ON 19.11.2018**



**..A User Orientation and awareness program on “How to access and download articles using NITT E-Resources for research publications**  
**held on 06.02.2019**

## Department: Training and Placement

### Notable T&P related achievements:

During the year under report (2018 -19), the students' placement record continued to be maintained at higher percentages despite global sluggishness. The overall percentage of placements for under graduate programmes was **96.2%** and Post Graduate Programmes was **92.9%**. Summary details are given below:

No. of Companies Visited	No. of Students Placed	Percentage (registered)
237	UG: 539 PG : 536	UG: 96.2 PG : 92.9

The Institute closed the year with near normal placements, despite unfavorable global factors.

CAPSTONE – exclusive premises for career services was inaugurated on 15<sup>th</sup> March'19, by Mr. Montek Singh Ahluwalia, former Deputy Chairman, of the erstwhile Planning Commission of India.

### Summary (2018-19)

S. No.	Details	Total Nos.			
1.	Journals / International*	1 (Under Department of Energy and Environment)			
2.	Sponsored Projects	No's:	1	Amount:	\$13,600
3.	No. of Patents	1 (Published)			
4.	Technical Symposium	<ul style="list-style-type: none"> <li>Coordinated MHRD's Leadership for Academicians Programs (LEAP) – Feb'19</li> <li>3-Day residential program on assistive devices for 52 blind and low vision students - Feb'19</li> <li>Coordinated the procurement, fabrication and supply of 500 temporary Electrical distribution boards to flood affected homes of Kerala in association with IEEE.</li> </ul>			



**Inauguration of New Training & Placement Building 'CAPSTONE'**



**Supply of 500 temporary Electrical Distribution boards to flood affected homes of Kerala in association with IEEE**

### **TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE-III**

The Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is a key component for improving the quality of Engineering Education in existing institutions. The project is implemented through the Ministry of Human Resource Development (MHRD) of the Government of India as a Central Sector Scheme (CSS). One of the main objective of TEQIP – III is twinning arrangements to build capacity and improve performance of institutions and ATUs participating in focus states. NIT Tiruchirappalli is the Mentor Institute for Dr. B. R. Ambedkar Institute of Technology, Pahargaon, Port Blair, Andaman & Nicobar Islands (Mentee Institute).

NIT Tiruchirappalli was sanctioned an amount of Rs.7 Crores under TEQIP-III. Out of this, Rs. 2.01 Crores is utilised for purchasing equipment as part of modernization of laboratories in various departments. An expenditure of Rs. 2.01 Crore is booked for Soft Components head (Faculty Staff Training, Student learning Activities, Institute reforms, Mentoring activities to Mentee Institute, Graduates employability-Finishing School, Start-up Cell, Industry Institute Interation cell related activiies, Research Development activities) and an amount of Rs.70 Lakhs is earmarked for the Operating cost.

#### **Activities under TEQIP-III**

1. Seed money to the faculty members (student projects) - 139 faculty members claimed under Research & Development Head worth Rs. 26 Lakhs.
2. BRAIT team visits NIT, Trichy under Twinning Arangements during Dec 2017.
3. Selection of Asst. Prof. (TEQIP Institutions) MHRD, NPIU was successfully completed under TEQIP-III
4. Financial support to the Departments for conducting BoS/Academic Audit meeting under TEQIP-III 2017-18 & 2018-19
5. Order placed for Equipment worth Rs. 54 lakhs in various department laboratories
6. Stanford University - NPIU MHRD survey was conducted during December 2017 for two departments (EEE and CSE)
7. Three programmes were conducted under the start up-cell:
  - a) A programme for Technical Education in National Context to NIT Faculty members & NIT's Director was held from 5<sup>th</sup> to 7<sup>th</sup> October 2017. This was organised by Dr. G Kannabiran from Management Studies Department.
  - b) Business Plan Competition was conducted on 16<sup>th</sup> -18<sup>th</sup> Feb 2017, for NIT Faculty members and students. This was organised by Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator.
  - c) A one day workshop on “Faculty Startups & Entrepreneurship” was held on 24<sup>th</sup> March, 2018. This was organized by Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator.

8. A workshop on “Capacity Building of Women managers in Higher Education” was held from 4<sup>th</sup> to 9<sup>th</sup> December 2017 at NITT. This was organised by Dr.G. Uma and, Dr. D. Ezhilarasi from ICE Department and Dr. S. Mekala from Humanities Dept.
9. 54 students have visited canada under R&D head during May to July 2019 as part of the Student Mobility Programme by MITACS Canada & MHRD, NPIU New Delhi.
10. Conducted a short term course on “ Computer Skills” to non-teaching staffs during 4<sup>th</sup> June to 22<sup>nd</sup> June 2018. This was organised by the Computer Support Group, NITT (154 numbers).
11. Two International conferences were conducted by the Chemical Engineering and EEE Department during December 2018.
12. Four International Conferences were permitted for the year 2019 under TEQIP-III for ECE, MME, CSE and Mechanical Departments.
13. Conducted a workshop on “Faculty Induction Training Programme” during 21<sup>st</sup> to 23<sup>rd</sup> June 2018 for the newly joined faculty members (37 numbers). This was organized by the Dean Faculty Welfare Office and IITM.
14. Dean Students Welfare Office conducted an Orientation Programme for the first year B. Tech Students of all branches under TEQIP-III during 31<sup>st</sup> July, 2018 to till date.
15. Employability skill test was conducted for 469 first year B. Tech. Students during 4<sup>th</sup> to 6<sup>th</sup> Dec 2018.
16. Gate training was conducted for 150 Final year B. students during Feb 2019.
17. The GATE 2019 registration fee for 221 Final year B. Tech students were reimbursed.

**The following officials attended various training programmes:**

- a) Dr. Radhakirishnan T. K., Coordinator, TEQIP and Dr. Sastikumar D., Dean (ID) attended the workshop on “TEQIP-III Implementation – Orientation” which was held on 21<sup>st</sup> July 2017 at New Delhi
- b) Dr. A. V. Reddy, Dean (Students Welfare) attended the workshop on “Induction programme for sensitization” which was held on 24<sup>th</sup> August 2017 at New Delhi
- c) Dr. M. Arivazhagan, Asso. Dean, Dr. U. Srinivasalu Reddy, Asso. Dean, and Dr. T. Ramesh, Asso. Dean attended the workshop on “Faculty-Mentors on induction programme for New Students” at Govt. Engg. College, Raipur which was held during 4<sup>th</sup> to 6<sup>th</sup> September 2017
- d) Three Faculty members attended the Management Capacity Programme conducted by IIM.
  - Dr. M. Arivazhagan, - IIM Trichy
  - Dr. K. Bhaskar, HoD, Civil Engg. - IIM Raipur
  - Dr. Karvembu, Professor, Chemistry – IIM Trichy

- e) Dr.N.Sivakumaran, Start-up Cell Coordinator attended the workshop on "Start-up Activities' & preparation of mini-action plan" held on 16<sup>th</sup> & 17<sup>th</sup> January, 2018 at BIT, Mesra, Ranchi
- f) Shri. R. Narayanan EE, Shri. R. Ravishankar AR (Stores and Purchases) and Shri.R. Karthikeyan A. R. (Accounts) attended a training programme on "Public Procurement" which was held during 8<sup>th</sup> to 13<sup>th</sup> Jan 2018 at NIFM, Faridabad.
- g) 54 faculty members attended three programmes on "Introduction to Machine learning with applications for engineering systems and Advanced deep learning". Two programmes were organized by IIT Bombay and one was organized by NIT Trichy (Dec 2018, Feb 2019 and April 2019).

#### **Twinning Activities:**

1. DBRAIT team visited NIT, Trichy under the Twinning Arrangements programme during 6<sup>th</sup> to 8<sup>th</sup> December 2017.
2. 2 Mentee Institution (DBRAIT) Short term & Long term plan was prepared on 31<sup>st</sup> January 2018.
3. Two Officials of NIT, Trichy team; Dr. S. Senthil Kumar, Nodal Officer Academic TEQIP-III & Dr. V. Sunitha, Nodal Officer Procurement TEQIP-III visited DBRAIT under Twinning Activities during 14<sup>th</sup> & 15<sup>th</sup> May 2018.
4. Dr. J. Karthikeyan, Asso. Prof., Civil Engineering, NIT,Trichy delivered lectures on the topic "Advanced Structural Analysis" under Twinning Arrangement activities held on 13<sup>th</sup> & 17<sup>th</sup> September 2018 at DBRAIT.
5. Performance Auditor - Prof. N.C. Shivaprakash, IISc, Bangalore & NIT Trichy TEQIP team of Dr. M.Udayakumar, TEQIP Coordinator, Dr. N. Sivakumaran, Start-up cell coordinator and, Dr. S. Senthilkumar, Nodal Officer Academic TEQIP-III attended the "Twinning Arrangement activities" held on 12<sup>th</sup> & 13<sup>th</sup> October 2018 at DBRAIT, Andaman.

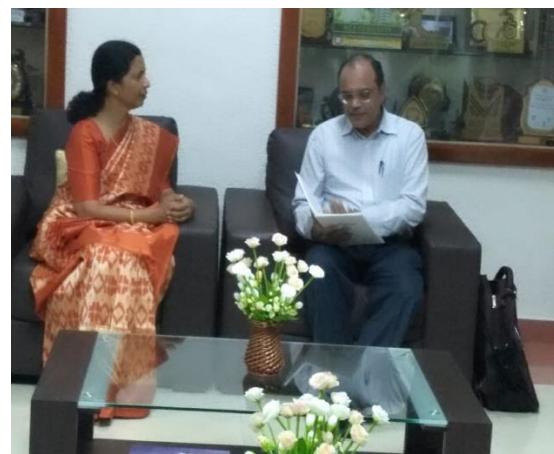
NAME	DESIGNATION	TOPICS OF LECTURES DELIVERED
Dr. M. Udayakumar	Co-ordinator, TEQIP-III, Professor, Dept. of Mechanical Engineering, NIT-T	Special Lecture on Electric Vehicle Technology- Indian Scenario
Dr. N.C. Siva Prakash	NIT-T Performance Auditor, TEQIP-III, Professor, Dept. of Electronics and Instrumentation Engineering, IISc Bangalore	Motivational Discussion with TEQIP Officials / HoDs / Faculty/ Staff and students
Dr. S.Senthil Kumar	Nodal Officer (Academic), TEQIP-III, Associate Professor, Dept. of	Special Lecture on Electric Machines in Wind Energy Electric Conversion System

	Electrical and Electronics Engineering, NIT-T	
Dr. N.Sivakumaran	Start-up cell co-ordinator, Professor, Dept. of Instrumentation and Control Engineering, NIT-T	<ul style="list-style-type: none"> <li>• Overview of Start-up cell activities at DBRAIT</li> <li>• Case Studies on intelligent system design</li> </ul>

6. Dr. S. Moorthi, Asso. Prof., Dr. M. Venkatakrithiga, Asso. Prof. & Dr. P.Raja, Asso. Prof. of EEE Dept. attended a programme for finalizing the SAR preparation under "Twinning Arrangement activities" which was held from 7<sup>th</sup> to 11<sup>th</sup> November 2018 at DBRAIT, Andaman.
7. The DBRAIT team of 5 Officials (Dr. V. Alagusundaram, HoD (Computer), Shri. Arun Srivastava, HoD (Electrical), Dr. Jenson Daniel, HoD (Civil), Shri B.K. Jena, HoD (Mechanical), Shri. Harsabardhan Barik, Assistant Prof, CSE, N.O. (Procurement)) visited NIT Trichy under TEQIP-III Procurement plan preparation which was held on 29th & 30th January 2019.
8. Prof. S. Raghavan, ECE Dept. attended DBRAIT as a BoG nominee on 15<sup>th</sup> April 2019 & also as a Viva voce Project Examiner of final year B.Tech students on 16th April 2019 at DBRAIT.
9. Three NITT students (CSE, Civil, ECE) of Campus Interview committee visited DBRAIT, Andaman & Nocobar during 22<sup>nd</sup> and 23<sup>rd</sup> April 2019 to accelerate the student activity (Company Data base, Placement brochrue , JEE Mock test for aptitude etc.).
10. Dr. Utpal Sharma, Principal, DBRAIT, Port Blair, A&N visited NITT on 17<sup>th</sup> April 2019 to interact with the Director and TEQIP team regarding target achievement.



**Interaction of DBRAIT students and faculty  
TEQIP Officials**



**TEQIP – III Mentor Visit to NIT,  
Tiruchirappalli**

**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.

**Programmes Sponsored by Edii Nimat Project 2018-2019:****Entrepreneurship Awareness camp (EAC):**

1. Entrepreneurship Awareness Camps (EAC) of 3-day, sponsored by EDII Ahmedabad (under the DST – NIMAT) were organized at SESHASAYEE INSTITUTE OF TECHNOLOGY (SIT), Trichy, 17–19 September, 2018 with participation of about 75 students of Polytechnic / diploma holders.
2. Entrepreneurship Awareness Camps (EAC) of 3-day, sponsored by EDII Ahmedabad (under the DST – NIMAT) were organized at CAUVERY COLLEGE FOR WOMEN, Trichy, 09–11 January, 2019 with participation of about 100 students of arts and science.
3. Entrepreneurship Awareness Camps (EAC) of 3-day, sponsored by EDII Ahmedabad (under the DST – NIMAT) were organized at NATIONAL INSTITUTE OF TECHNOLOGY (NIT), Trichy, 03–05 April, 2019 with participation of about 75 students and faculties.

**Technology Based Entrepreneurship Development Program (TEDP), Funded by EDII Ahmedabad:**

SIX WEEKS PROGRAMME (TEDP), sponsored by EDII Ahmedabad (under the DST – NIMAT) were organized at NATIONAL INSTITUTE OF TECHNOLOGY (NIT), Trichy, 15 OCTOBER 2018 TO 24 NOVEMBER 2018, with participation of about 22 students and budding entrepreneur.

**Information Event held in Chennai:**

An Information event was organized on 7<sup>th</sup> APRIL 2018 at MICRO SMALL MEDIUM ENTERPRENEURSHIP DEVOLPENT CENTER (MSME) at Chennai to highlight CEDI's incubation and seed funding opportunities and CEDI – SONATA Digital Entrepreneurship Funds.

**Incubatee Selection:**

Based on a two-level selection process, CEDI has selected the following three new incubatees during the current year:

- RECUBITECH PVT LTD
- FIXYARD TECHNOLOGIES PVT LTD

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

### **Final Year Project Competition 2018-19:**

Final Year Project Competition 2018 was announced as part of the CEDI-SONATA Digital Entrepreneurship Fund for students of NIT Trichy and other Engineering colleges. The prizes are: Winning Team Rs. 25, 000/- and Runner up prize Rs.15, 000/ each and the prizes for the other college students: Winning team Rs. 10,000/- and Runner up prizes Rs. 5,000/- each. A total of 9 teams from NIT Trichy and 8 teams from other colleges submitted their final year projects for this competition, In the first stage, projects were shortlisted for final presentation based on relevance and documents submitted. A total of 6 from NIT and 3 from other colleges were shortlisted for final presentation on 11<sup>th</sup> may 2018. Based on the detailed presentation followed by Q &A, the committee shortlisted the teams under each category. The committee also recommended two additional third prize in the case of NIT Trichy teams with cash prize of Rs.5000/- each. The list of shortlisted projects is presented in the following table.

#### **NIT TRICHY CATEGORY:**

##### **FIRST PRIZE:**

##### **PROJECT TITTLE: Real Time Hand Gesture Recognition**

Sl. No.	Name of the Students	Roll Number	Department
1	A. S. Amirtha Varshini	108114010	ECE
2	M. Vithya	108114105	
3	Guguloth Bhavani	108114032	

##### **SECOND PRIZE:**

##### **PROJECT TITLE: A Passive Electronically Scanned Array for Operation in The X-Band**

Sl. No.	Name of the Students	Roll Number	Department
1	Adithya Vikram Sakthivel	108114006	ECE
2	T Allan Kevin	108114009	
3	Anuj Sunil	108114011	
4	Joseph John	108114040	

**THIRD PRIZE:****PROJECT TITLE: Domain Specific Language to Script Smart Contracts for Taxation**

Sl. No.	Name of the Students	Roll Number	Department
1	V.R. Anugrahaa	106114011	CSE
2	Harshitha Rayapati	106114033	

**PROJECT TITLE: Learned Indices in Database Using Machine Learning Algorithms**

Sl. No.	Name of the Students	Roll Number	Department
1	R. Sriranganathan	106114073	CSE
2	N. Lakshmanaram	106114046	

**OTHER COLLEGE'S CATEGORY:****FIRST PRIZE:****PROJECT TITLE: Wearable Companion Device for Children with Autism**

Sl. No.	Name of the Students	Roll Number	Department
1	A. P. Niranjana (RMK Engg. College)	111714106110	ECE
2	M. Nandhini (RMK Engg College)	111714106106	



**Technology Based Entrepreneurship Development Program (TEDP)**



**Entrepreneurship Awareness Camps (under the DST – NIMAT)**

## STUDENTS ACTIVITIES

### FESTEMBER

Festember'18 conducted on NITT premises from 13th September to 16th September and is open to all the students across the country. The theme for this year was "Arabian Odyssey. The fest had a variety of performances by renowned artists, known as pro-shows. They have had stars of the music industry like Pritam, Sachin-Jigar and Amit Trivedi in the past come down to NIT Trichy to perform. This year, the band Pineapple Express performed for Fusion Night, bands Skrat and Switcheroo for Rock Night, DJ Sabrina Terence for EDM Night and famous Bollywood singer Sunidhi Chauhan came to perform as part of Popular Night.

Another big crowd puller for Festember was its event clusters. Festember, through its events, provided a platform for young talent to grow and flourish. There were a variety of clusters including dance, music, dramatics, fashion, photography and literary events spanning multiple languages. Every competition was judged by a panel of expert judges, and winners walk away with not just recognition from some of the top artists in their fields, but also attractive prizes.

'Carpe Diem' - Stories that inspire, was the name of the guest lecture series organized by Festember each year. They bring down eminent personalities in their respective fields, like music, film-making, dance, writing, and arts. This year, their line-up for Carpe-Diem had speakers like the musical maestro Aruna Sairam, actress Nithya Menon, renowned author Ashwin Sanghi, playback singer Karthik and many more.

Another significant facet of Festember was its workshops and informal. From cardistry to glass blowing, Festember offers plenty of workshops that will challenge you to learn new skills. Exciting informal like Soap Soccer and Bungee trampolines certainly provided some exciting experiences.

Festember, as an organization, believes in giving back to society. The Festember Social Responsibility achieved this through a variety of initiatives such as Aashi, CCC, Pages, and Golden Dustbin. These involve a combination of collection drives, empowerment sessions, and much more.



**Festember' 18**

## PRAGYAN

Pragyan is the techno managerial organisation that pulls an annual footfall of 6000 for its offline extravaganza while catering to participants from over 60 countries for its online events. The crowning jewel of its stupendous growth is the ISO 20121:2012 certification for Sustainable Event Management, making Pragyan, NIT Tiruchirappalli the first student-run organization in the world and the third overall, next only to the London Olympics and Manchester United to receive it. With a number of exciting events in store, the 15th edition of Pragyan scheduled March 14th - 17th, 2019 is sure to celebrate technology like never before.

Events aside, the Pragyan guest lecture series was a great way to get inspired by listening to and interacting with some of the most recognisable faces from various industries. These include eminent personalities such as Dr. Spyridon "Spiros" Michalakis, a quantum physicist and staff researcher at CalTech, Shri Montek Singh Ahluwalia, a renowned economist and the Deputy Chairman of the erstwhile Planning Commission of India and Dr. Frederick J. Raab who is the LIGO Associate Director of Observatory Operations. Moreover, the Pragyan Crossfire promises to be a healthy and informative discussion on our right to free speech.

The defining feature of any edition of Pragyan is its theme. With the theme of Pragyan '19 being declared as Spectrum, the four-day festival is sure to expose everyone to the variety of facets that technology is developing in, along with the myriad of management strategies that are being employed presently.

Giving the participants a chance to gain extensive knowledge in their fields of interest, Pragyan brings down the best organisations in their domains including ISRO, National instruments, Microsoft, HP, Anvira Education and so on, to provide students with a practical experience of the latest in the world of technology. With workshops ranging from Image Processing of Satellite Data to Building Design and Technology, the workshops at Pragyan '19 surely do justice to its theme.

The rapid advancement of technology had ensured that the world sees something new every day. It is to bring these technological wonders to the masses that Pragyan has a dedicated exhibitions lineup, every year. From Pepper, a robot with emotional intelligence which is sure to cheer you up, to a Slow Dance Frame which appears to make objects move in slow motion, the exhibits were sure to leave one awestruck at the accomplishments of cutting edge technology.

To nurture and celebrate the spirit of innovativeness among the students, Pragyan conducted Sangam and Ingenium every year as a part of its festival. Sangam is an intra college hardware hackathon while Ingenium is exclusively for students of other colleges. Both these

competitions provided students with the platform they need to showcase their technological prowess, helping them earn recognition for the same.

To keep the element of fun intact, Pragyan organised a number of infotainment events each year, which were the perfect blend of entertainment and unique use of technology. Pragyan '19 had a stellar list of infotainment artists coming down including light artist Ramod Malaka, famed feet puppeteer Anne Klinge and bubbleologist Graham Maxwell, to name a few.

In addition to all the mentioned categories of events, Pragyan is associating with Human Library Hyderabad to conduct a Human Library at Pragyan '19 with a collection of 13 interesting books which have challenged the stigmas of society through their lifestyle choices, beliefs, and accomplishments.



Pragyan'19

## NITTFEST

NITTFEST'19, the interdepartmental cultural festival of NITT, indigenous to its own students, was conducted successfully from the 9-12 March, 2019. This edition of NITTFEST, sponsored by many organizations. It also saw many prominent personalities coming down to NIT Trichy to judge various events. The 84 events were conducted successfully with the right team spirit. The inauguration of the fest was graced by Mrs. Lakshi Ramakrishnan, the Indian film director, producer, and Actor. It was followed by the much-awaited show by Aravind, which was enjoyed by an enormous and enthusiastic audience.

NITTFEST'19 started with a bang; the first event being Villapaatu was a grand success on March 9, 2019. Villupaatu was an authentic event which highlighted the Tamil culture. The departments narrated meaning-full folklores through music and grace that pierced through our hearts and took us back to our roots. Graced by the presence of Mr. Manikandan and Mrs. Subhadevi Manikandan, this event lived up to all its expectations and raised the standards higher. The next event that gathered a substantial excited crowd was Dramatics, which took place in the EEE auditorium. The eight departments that performed took us on a magical journey of varying emotions through their wonderful stories. The renowned judges, Mr. Aravind R Vyas, and Mr. Pranav Dwaraknath, who has been a part of various shows and plays and has mentored upcoming actors to their legacies, had a difficult time narrowing down their top three among eight as all our departments performed with utmost perfection.

Next, we had the most exciting event in the middle of all the mouth-watering aromatics coming from the food stalls, Act-a-thon, on the informal stage. This event was all about the spontaneous acting in accordance with the given promptly. We also had all the spotlights on QAWWALI. The departments drove the audience crazy with their energetic performance. The judges for the evening sure did spice up the evening a little more and made our experience even more worthwhile.



NITTFEST'19

### CLUBS AND SOCIETY

S. No.	Clubs	Activities
1.	AAYAAM	Hindi Literature Club
2.	AIESEC	International Youth Leadership Organization
3.	AKSHARA	Telugu Literature Club
4.	AMRUTHAVARSHINI	Classical music club
5.	APEKSHAA	Non-profit organization to perform social work
6.	ATHENÆUM	Model United Nation
7.	BALLS BY PICASSO	English Literary Club
8.	BUILDERS' HIVE	Providing Construction Solutions
9.	DANCE TROUPE	Dance Team of NITT
10.	DATA BYTE	Data Science and Business Analytics club
11.	DELTA FORCE	Central Technical Team
12.	DESIGNERS' CONSORTIUM	Product Designing Club
13.	DHRUVA CLUB	Spirituality and Life Style Club
14.	E-CELL	Entrepreneurship and Innovation Club
15.	FILM SOCIETY	Film making Club
16.	FINE ARTS SOCIETY	Arts and Ambience Club
17.	IGNITTE	Teaching Group for under privileged
18.	INCREDIBLE NITT	Nature Club
19.	LEAP	Environmental Awareness and Protection Club
20.	MARINE TECHNOLOGY SOCIETY	Marine Technology Enthusiasts
21.	MAXIMUS	Mathematics interest and teaching group
22.	MUSIC TROUPE	Music Team of NITT
23.	NAKSHATRA CLUB	Astronomy and Space Science club
24.	OMEGA SCIENCE AND SPIRITUALITY CLUB	Science and Spirituality
25.	PIXELBUG	Photography Club
26.	PSI RACING	Motorsports Team of NITT
27.	PHYXION	Physics Interest and Teaching Group
28.	PUPIL FOR PUPIL COMMITTEE (PPC)	Post Graduate Social Service Club
29.	ROBOTICS AND MACHINE INTELLIGENCE CLUB (RMI)	Robotics enthusiasts; research in allied fields
30.	ROTARACT CLUB	College Chapter of Rotary International
31.	RSFNITT	Research Scholars' Forum
32.	SPIDER	R&D Club of NITT
33.	TAMIL MANDRAM	Tamil Literature Society
34.	THE THESPIANS' SOCIETY	English Dramatics Club
35.	THE THIRD DIMENSION	Aeromodelling Club
36.	TOASTMASTERS NITT	College Chapter of Toastmaster International

## STUDENTS ACHIEVEMENTS

Name of the Student	Prize Won
Siddharth Venu	
Sudharsana K J L	
P Naveena	
S Rohith Balaji	
Kirubaraj	
Kamalesh Palanisamy	<b>Smart India Hackathon 2019:</b> MHRD's software hackathon was conducted on 4th March at different Nodal Centers in India. The students came up with innovative solutions to various real time industrial problems. 4 Teams consisting of 6 members each participated from NIT Trichy. Teams headed by Sudharshana KL and Kirubaraj secured first position.
D Kishor Kumar	
Avinash.S	
Kishore	
Poorvaja V	
N Praveen Chandhar	
Yash Patel	
Sathishsharma R	
Jayaprakash R	
S Vishaal Kanna	
P Thiruvasakan	<b>NIT Conclave:</b> Annual Inter NIT theme based competition. This year's theme was Social Entrepreneurship and Innovation. NIT Tiruchirappalli's team secured first position.
Rupp Santos	
Agila Senthil	
R.Anirudh	
Ashutosh Pani	
Afnan Abdu Samed	
Sai siddhanth	<b>BAJA SAE India Competition:</b> for under-graduate engineering students organized globally by the Society of Automotive Engineers, USA. NIT Tiruchirappalli's team secured 5th position in Rock Crawl and 32 <sup>nd</sup> in overall category.
S Rohith Balaji	<b>ACM ICPC:</b> The International Collegiate Programming Contest is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure. Rohith Balaji secured All India Rank 18,184,282 (In Prelims).

Ajaiy Prabhu R K	<b>Caterpillar Innovation Challenge:</b> A national level competition where they get to work on real life problems faced by Caterpillar. NIT Tiruchirappalli's team secured 1 <sup>st</sup> position in the competition.
Yash Prakash	
Rohit surya k	
Premkumar S	
Siddharth M	<b>Designers' Consortium: Waycool Design Challenge</b> is a National Level Open Design Challenge in the field of Agriculture and Food Processing. NIT Tiruchirappalli's team secured 3 <sup>rd</sup> position.
Karthi	
Ajay Bharadwaj S	
Raghav Balaji	
Girithar T A	
Shubhodeep Saha	
Niranjan Kumar P	
Kunal Yadav	<b>Designers' Consortium: Maruti Suzuki Colors of Youth</b> conducted 'PROJECT TECHNOVATION' to promote scholastic excellence and competence amongst the nation's youth towards impacting social welfare through a healthy competition. NIT Tiruchirappalli's team secured 4 <sup>th</sup> Position at National Level.
K S Seetharam	
Yash Prakash	
Vishnu MH	
Vaibhav Malani	
P Thiruvasakan	
K.Yuvaprashanth	
Girithar T A	
Vishnu MH	
Thanushree	
Arun Palaniappan	<b>Spider R&amp;D-e-Yantra Robotics Competition:</b> National Level Technical competition conducted at IIT Bombay. Two teams from NIT Trichy secured 1st and 4th Prize.
Premkumar S	
Himanshi Gupta	
Karthik s	
Ruphan S	
Aditya Kumar Singh	
Raj Kumar Bhagat	

Raja Ramanan	<b>Designers' Consortium – Campus Development Projects:</b> Anti-tipper for Dustbins was designed and implemented at various locations in the campus.
S.Vishaal Kanna	
Yash Prakash	
Saimothish	
Amritha Suresh	<b>Designers' Consortium – Campus Development Projects:</b> Cycle Parking Frame was designed and implemented in the campus.
K S Seetharam	
Rubin Jacob	
Divya S	
Nithin K Subhash	
Deep Bhattacharyya	<b>Delta Force - Campus Development Projects:</b> Online Scholarship Portal for streamlining the process of awarding the various scholarships in the Institute. They also developed Online Hall Booking Portal and Online Course Fair (Pre-course registration) Portal.
Shubham Sopan Dighe	
Venkatraman	
Abishake	
Kumaran	
Bharath Kumar R	
Nimish Agrawal	
S Rohith Balaji	<b>Spider - Campus Development Projects:</b> To streamline the process of obtaining OD, an online portal was created. They also developed an Online Alumni Database.
Saravanan T	
Rishav Roy	
Dhananjay P	
Sudharsana K J L	
S Rohith Balaji	
Vaibhav	
G SOMESHWAR	
Kamalesh Palanisamy	
N Praveen Chandhar	

### NATIONAL CADET CORPS (NCC)

In 2018-2019, A Flight NCC organized 35 official parades. Every week, cadets in uniform assembled at the NSO ground. The 3<sup>rd</sup> year Cadets were responsible for the training of primarily 2<sup>nd</sup> year cadets and through them, the 1<sup>st</sup> year cadets. The parades involved practical and theory sessions. In the practical sessions, cadets were trained in the execution of the drill sequence. The 2<sup>nd</sup> year cadets were trained in the execution of rifle drill and the 1<sup>st</sup> 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 2018 – 19:

Independence Day	15/08/2018
Blood Donation camp	01/09/2018
Orphanage Visit	06/10/2018
Guest Lecture (On the occasion of Rashtriya Ekta Diwas)	31/10/2018
Breast Cancer Awareness Programme	01/11/2018
Thermogram Screening Session	03/11/2018
CATC II Camp	23/11/2018 – 02/12/2018
Republic Day	26/01/2019
LAKSHYA'19	29/03/2019 – 31/03/2019



**Independence Day 2018**



**Medals**

## NATIONAL SERVICE SCHEME (NSS)

### CELEBRATION OF INTERNATIONAL YOGA DAY

National Institute of Technology, Tiruchirappalli (NITT), celebrated International Day of Yoga in the institute auditorium. The institute organized a high reaching Yoga demonstration programme for the faculty, staff, students and residential members of NITT. Prior to International Day of Yoga, one-week Yoga classes were conducted. Mini Shaji Thomas, Director inaugurated the Yoga day celebration with lighting the lamp and She emphasized the importance of yoga for strengthening our mental and physical ability, increase the body flexibility and reduces stress. Later yoga session was held led by prof. S. Jayaprakash, President, World Community Service Centre, Trichy Zone.

### BLOOD DONATION CAMP

As a part of Swachhta Pakhwada, a blood donation camp was organized at the Institute Hospital, National Institute of Technology, Tiruchirappalli to support the Blood Bank, Government Raja Mirasudhar Hospital, Thanjavur. Dr. Mini Shaji Thomas, Director, NIT Tiruchirappalli inaugurated the camp. The camp began at around 10 a.m. and continued up to 4.30 pm, with a steady stream of donors throughout the day. The camp was jointly organized by NSS, NCC, Institute hospital and the Student's Council of NIT, Trichy and marked a huge success with more than 100 volunteers' noble deed of donating blood.



Celebration of International Yoga Day



Blood Donation Camp

### MASS CLEANING DRIVE AND RALLY CLEAN INDIA

A mass cleaning drive operation was arranged from NIT-Trichy main gate to Thuvakudi as part of Swachhta Pakhwada programme by the Dean Students office. Around 500 students voluntarily took part in order to make it successful. Dr. Samson Mathew (Dean, Student's welfare), Dr. C. Natarajan (Dean, P & D), Dr. Paneer Selvam, Dr. Kavitha, Dr. Gunavathi, Dr. Brinda, Dr. G. C. Nandi (NSS Programme officers), housekeeping staffs, along with the NSS volunteer's co-ordinate the event. NITT-Security officer and his team, National Highway

Authority of India (NHAI) personnel were also assisting this programme by controlling the highway traffics.

### **EYE CHECK UP CAMP AND TREE PLANTATION PROGRAMME**

NSS mechanical unit of NITT conducted an eye camp in Govt. High school Aachamppatti with the help of Joseph hospital. Around 300 students were screened from 4<sup>th</sup> standard to 10<sup>th</sup> standard and 12 students were found defective vision. NITT hospital medical officer Dr. Priyanka examined the weak students and prescribed medicine for them. NSS volunteers are involved parallelly in tree plantation. 50 saplings were brought from NITT and they were planted by volunteers by making pit by themselves with the help of junior Red Cross students.



**Eye check-up programme**



**Tree Plantation Programme**

### **SPECIAL CAMP**

The National Service Scheme (NSS) units of National Institute of Technology, Tiruchirappalli (NITT) conducted a 7-day special camp in the surrounding villages of NITT which are adopted under the Unnat Bharat Abhiyan (UBA) scheme of Ministry of Human Resource Development. The theme of the NSS camp was to build sustainable villages. The 7-day camp was kick-started in the Government School of Thirunedungulam with the inaugural address by Dr. V. Mariappan, NSS coordinator, NITT.



**Special Camp at Government School, Thirunedungulam**

## SPORTS CONTINGENT ACHIEVEMENTS 2018-19

Sl. No.	Sport	Captain Name	Event	Award
1.	Volleyball Men	Mr. Bhaarath	IIT BHU Spardha'18 Inter-NIT – Trichy'19	Gold Gold
2.	Volleyball Women	Ms. Manasvi	PITS Sportiva'18 Sastra Colosseum'19 Inter-NIT – Trichy'19	Silver Silver Gold
3.	Basketball Men	Mr. Rakesh & Mr. Ninada	Inter-NIT Trichy'19	Gold
4.	Cricket	Mr. Kaushik	Inter-NIT Trichy'19	Gold
5.	Badminton Men	Mr. Roshan	Inter-NIT Nagpur'18 PITS Sportiva'18	Gold Silver
6.	Badminton Women	Ms. Vasuki	PITS Sportiva'18	Silver
7.	Table Tennis Men	Mr. Lalit	IIT BHU Spardha'18 Sastra Colosseum'19	Silver Silver
8.	Table Tennis Women	Ms. Sai Shruthi	Inter-NIT Nagpur'18 Sastra Colosseum'19	Silver Gold
9.	Kho-Kho Men	Mr. Naveen	IIT BHU Spardha'18	Gold
10.	Kho-Kho Women	Ms. Ankita	IIT BHU Spardha'18 InterNIT Rourkela'19	Gold Gold
11.	Football Men	Mr. Balaji & Mr. Uzair	Sastra Colosseum'19	Silver
12.	Athletics Men	Mr. Sandeep	IIT BHU Spardha'18 Inter NIT Warangal'19	Bronze Bronze
13.	Athletics Women	Ms. Ankitha	IIT BHU Spardha'18 Inter NIT Warangal'19	Silver Bronze
14.	Handball Men	Mr. Revanth	IIT BHU Spardha'18	Silver
15.	Powerlifting	Mr. Vivek	Inter-NIT Surathkal'19	Gold
16.	Tennis	Mr.	PITS sportiva'18 IIT BHU Spardha'18 Inter NIT Surathkal'19	Silver Silver Silver
17.	Chess Men	Mr. Siddharth	IIT BHU Spardha'18 PITS Sportiva'18 Sastra Colosseum'19	Gold Silver Silver
18.	Chess Women	Ms. Abimathi	Sastra Colosseum'19	Silver
19.	Swimming Men	Mr. Esun	IIT BHU Spardha'18 Inter-NIT Surathkal'19	Gold Silver
20	Swimming Women	Ms. Dhakshaayani & Ms. Chirasmitha	Inter-NIT Surathkal'19	Gold

## INTER NIT SPORTS MEET

This year, NIT Tiruchirappalli hosted the All India Inter NIT Sports Tournament from February 20th - 23rd, 2019. Inter-NIT is the annual sports fiesta where participants from NITs all over India come together to compete in a variety of exhilarating sports. Different sports are held in different NITs, usually two to three in a single campus. This time, NIT Trichy is the proud host of three of these games, basketball, volleyball and cricket.

Situated in the heart of Tamil Nadu, National Institute of Technology, Tiruchirappalli is currently recognized as one of the best institutions in the country, and does not fail to impress in the field of sports. NIT Trichy boasts an Outdoor Stadium with a 400m track, a sports complex and aqua sports complex with a 25m swimming pool. The campus is dotted with two football grounds, one hockey field, eight volleyball courts, four basketball courts, two tennis courts, and two ball badminton courts, along with a state-of-the-art Indoor Stadium.

Out of the 31 existing NITs, participants from 24 of them made their way down to the NIT Trichy. NITs from the corners of India, like Srinagar, Arunachal Pradesh, and Mizoram, participated in this extravaganza. NIT Trichy bagged overall championship and won first prizes in Cricket, Basketball(Men) and Volleyball (Men and Women) teams.

The Inauguration ceremony was on the 19th of February, 2019, graced by the presence of an important name in India's sports industry, Arjuna awardee and former captain of India's volleyball team, the Chief Guest Shri Tom Joseph. The ceremony also was presided by the Director of NIT Trichy, Prof. Mini Shaji Thomas.



Inauguration ceremony- the Chief Guest Shri Tom Joseph (Arjuna awardee)



Chief Guest Shri Tom Joseph with Students

### SPORTS COUNCIL MEMBERS (2018-19)

S. Lalit Kumar	Chairman
Ahmed Haasan	Secretary
Jayanth Dolai	Associate Secretary
Uzair Iqbal	Overall Coordinator
Esun Selvam	Treasurer
Ashwath Balaji	Organizing Head

### CORE TEAM / ALL INDIA INTER-NIT SPORTS

- Ahmed Haasan – Sports Secretary
- S Lalit Kumar – Chairman, Sports
- Esun Selvam – Treasurer, Sports
- Uzair Iqbal – Head, Logistics
- Balaji – Head, Logistics
- R Koushik – Head, Organizing Committee
- Stuti Ahlawat – Head, Press & Media
- Vasuki Manoharan – Head, Marketing
- Srihari Mohan – Head, Marketing
- Sandeep Kuamr – Head, Hospitality
- Dhakshaayani – Head, Hospitality
- Vivek Shiroya – Head, Registration
- Ashwath Balaji – Organizing Head
- Jayanth Dolai – Asso. Sports Secretary



Cultural Events



Inter NIT Sports Meet

**National Institutional Ranking Framework**  
 Ministry of Human Resource Development  
 Government of India

**Submitted Institute Data for NIRF'2019'**

Institute Name: National Institute of Technology Tiruchirappalli [IR-E-U-0467]

**Sanctioned (Approved) Intake**

Academic Year	2017-18	2016-17	2015-16	2014-15	2013-14	2012-13
UG [4 Years Program(s)]	884	884	884	884	-	-
PG [2 Year Program(s)]	582	554	-	-	-	-

**Total Actual Student Strength (Program(s) Offered by Your Institution)**

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	2668	692	3360	1428	1494	438	218	1604	0	1064	34	724
PG [2 Year Program(s)]	758	169	927	92	831	4	344	583	172	755	0	0

**Placement & Higher Studies**

**UG [4 Years Program(s)]: Placement & higher studies for previous 3 years**

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2012-13	890	844	2013-14	0	2015-16	831	581	650000(SIX LAKH FIFTY THOUSAND ONLY)	92
2013-14	865	826	2014-15	0	2016-17	815	555	653000(SIX LAKH FIFTY THREE THOUSAND ONLY)	125
2014-15	884	862	2015-16	0	2017-18	836	583	750000(SEVEN LAKH FIFTY THOUSAND)	165

**PG [2 Years Program(s)]: Placement & higher studies for previous 3 years**

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2014-15	524	476	2015-16	454	271	536500(FIVE LAKH THIRTY SIX THOUSAND AND FIVE HUNDRED ONLY)	10

2015-16	524	474	2016-17	433	317	575000(FIVE LAKH SEVENTY FIVE THOUSAND ONLY)	9
2016-17	554	443	2017-18	418	372	600000(SIX LAKH ONLY)	20

#### Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2017-18; Students admitted in the academic year 2018-19 should not be entered here.)			
		Total Students	
Full Time		568	
Part Time		380	
No. of Ph.D students graduated (including Integrated Ph.D)			
		2017-18	2016-17
Full Time		63	67
Part Time		18	18
		2015-16	

#### Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2017-18	2016-17	2015-16
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	10621455 (ONE CRORE SIX LAKH TWENTY ONE THOUSAND FOUR HUNDRED AND FIFTY FIVE ONLY)	23089739 (TWO CRORE THIRTY LAKH EIGHTY NINE THOUSAND SEVEN HUNDRED AND THIRTY NINE ONLY)	22461489 (TWO CRORE TWENTY FOUR LAKH SIXTY ONE THOUSAND FOUR HUNDRED AND EIGHTY NINE ONLY)
New Equipment for Laboratories	1030523657 (ONE HUNDRED AND THREE CRORE FIVE LAKH TWENTY THREE THOUSAND SIX HUNDRED AND FIFTY SEVEN ONLY)	70725877 (SEVEN CRORE SEVEN LAKH TWENTY FIVE THOUSAND EIGHT HUNDRED AND SEVENTY SEVEN ONLY)	31036233 (THREE CRORE TEN LAKH THIRTY SIX THOUSAND TWO HUNDRED AND THIRTY THREE ONLY)
Engineering Workshops	0 (ZERO)	0 (ZERO)	0 (ZERO)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	41204812 (FOUR CRORE TWELVE LAKH FOUR THOUSAND EIGHT HUNDRED AND TWELVE ONLY)	159001199 (FIFTEEN CRORE NINETY LAKH ONE THOUSAND ONE HUNDRED AND NINETY NINE ONLY)	186872835 (EIGHTEEN CRORE SIXTY EIGHT LAKH SEVENTY TWO THOUSAND EIGHT HUNDRED AND THIRTY FIVE ONLY)

#### Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2017-18	2016-17	2015-16
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	997612432 (NINETY NINE CRORE SEVENTY SIX LAKH TWELVE THOUSAND FOUR HUNDRED AND THIRTY TWO ONLY)	807719201 (EIGHTY CRORE SEVENTY SEVEN LAKH NINETEEN THOUSAND TWO HUNDRED AND ONE ONLY)	774856219 (SEVENTY SEVEN CRORE FORTY EIGHT LAKH FIFTY SIX THOUSAND TWO HUNDRED AND NINETEEN ONLY)
Maintenance of Academic Infrastructure or consumables, other running expenditures etc.(excluding maintenance of hostels and allied services)	481521200 (FORTY EIGHT CRORE FIFTEEN LAKH TWENTY ONE THOUSAND AND TWO HUNDRED ONLY)	453647624 (FORTY FIVE CRORE THIRTY SIX LAKH FORTY SEVEN THOUSAND SIX HUNDRED AND TWENTY FOUR ONLY)	441851375 (FORTY FOUR CRORE EIGHTEEN LAKH FIFTY ONE THOUSAND THREE HUNDRED AND SEVENTY FIVE ONLY)
Seminars/Conferences/Workshops	1189997 (ELEVEN LAKH EIGHTY NINE THOUSAND NINE HUNDRED AND NINETY SEVEN ONLY)	1001296 (TEN LAKH ONE THOUSAND TWO HUNDRED AND NINETY SIX ONLY)	2980056 (TWENTY NINE LAKH EIGHTY THOUSAND AND FIFTY SIX ONLY)

**PCS Facilities: Facilities of physically challenged students**

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings





# Public Relations and Media Cell



360° Virtual Reality Campus Tour

## Clean Campus- Bio Gas Plant, Green House, Solar Panels



## MEMBERS OF STUDENTS' COUNCIL

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