NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 620 015

ANNUAL REPORT

2017 – 2018

CONTENTS

Director's Forward

Let me begin by congratulating the faculty, students and staff of NIT, Trichy for their laudable accomplishments in the academic year 2017-18.

NIT, Trichy is what Stephen Covey would call "An empowered organization in which individuals have the knowledge, skill, desire, and opportunity to personally succeed in a way that leads to collective organizational success". I also take pride in announcing that we have retained, for the third consecutive year, the 1st position among 31 NITs as well as the 11th position among all the Engineering Institutions across the country: A stellar feat indeed. We have also climbed three notches to the 31st position, in the overall NIRF- 2018 ranking.

We faced fierce competition from several institutions for the NIRF ranking. We missed the 9th and 10th positions by a whisker this year. I do concur with Peter Drucker that, "Rank does not confer privilege or give power. It imposes responsibility". However, we have to work to improve IPR creation, the peer and Industry perception, and many other parameters in order to climb up the ranking ladder towards newer heights. These are our priorities and we will, with hard work and whole-hearted effort, achieve them. I believe we can break into the top 500 league in the International Rankings. Our Mechanical and Manufacturing Engineering was ranked 351-400 in the Quacquarelli Symonds (QS) world rankings 2018. Let us sharpen our pencils and get back to our drawing boards to analyze the results carefully. Let us listen to our stakeholders and take their feedback in order to retain, if not, improve our position and, in good time, break into the top 10.

The crowning glory this academic year was the President of India declaring NIT, Trichy the Best Innovation Club at the Festival of Innovation and Entrepreneurship (FINE) held at Rashtrapathi Bhawan in March 2018. Besides, our Institute won the "University of the Year 2017 (above 30 years) in the FICCI Higher Education Summit 2017.

The Executive Chairman of Starbucks, Howard Shultz's recipe for success is worth a thought: "When you are surrounded by people who share a passionate commitment around a common purpose, anything is possible". Proof of this statement is that we have improved our publication index this year with 687 Scopus and 553 Web of Science publications. I applaud the students and faculty members for their commendable efforts in their areas of specialization. Further, we have procured various sponsored projects from FIST, DST-INSPIRE, CSIR. with a total funding of 10.31 crores. We have filed 27 Patents during this academic year; the noteworthy spike in our performance graph deserves a special mention on this occasion. This academic

year we also framed an IPR policy. Let us harness the power in our collective passion to excel as well as the clear purpose that beckons us to exceed ourselves.

I am happy to share with all NITT-ians the unique and historic moment when we decorated our alumnus, N. Chandrasekaran, Chairman, Tata Sons, with *Honoris Causa* (Doctor of Letters) during the 13th Convocation held in August 2017 in the presence of Padmabhushan N. R. Narayanamoorthy who was our Chief Guest.

After a hiatus of 10 long years, we initiated a massive recruitment of faculty members. I was indeed moved by the patience and tolerance of the teachers who were awaiting their promotions for almost 6-10 years. I congratulate the fraternity of 131 promoted faculty members as well as the 48 newly recruited faculty members on this occasion. We also recruited 8 Senior Officers in the Administration in 2017.

I am delighted to share the establishment of the 'Centre of Dynamic Excellence [CoDE] in Manufacturing'. It hosts ten state-of-the art laboratories, which will become operational from May this year. This is a perfect example of Industry-Institute Interaction, where Siemens Industry Software has invested around 170 crores of Rupees. The centre is intended to improve innovation and research in this area and increase the job prospects of Engineering graduates.

Remembering Stephen Covey again, "The Key is not to prioritize what's on your schedule, but to schedule your priorities". NIT-T is one among the few institutions which have signed an MoU with the National Academic Depository (NAD) launched by the Government of India. In addition, we have inaugurated the office of International Relations (OIR) to expand the institute's footprint on a global scale; we also signed an MoU with Wayne State University, USA.

Our Students have won many medals and trophies in inter-collegiate sports events at IIT-Kanpur, NIT-Agartala, NIT-Warangal, NIT-Kurukshetra and many other venues. Our technical fest, PRAGYAN, had an array of distinguished speakers and technical displays, including a Human Library and many other innovative programs.

We need to shoulder more responsibilities and improve the standards in terms of creating innovation, incubation centres, research parks, centres of excellence with industry support, increasing PhD output, enhancing public visibility and perception as well as ranking. Let us all join hands in a united effort in the interest of our institution.

I thank the Deans, Registrar, Heads of the Departments, Staff and each and every student of this Institute for all the unceasing support and an unbounded cooperation I received last year.

Jai Hind!

Dr. Mini Shaji Thomas

Director

1. CITY SCAPE

Tiruchirappalli formerly called Trichinopoly in English, nicknamed Tiruchi or Trichy is a major city in Tamil Nadu and the administrative headquarters of Tiruchirappalli District. It is the fourth largest Municipal Corporation and urban agglomeration in the state besides being an educational hub for both basic and higher education.

Tiruchirappalli is believed to be of significant antiquity and has been ruled, at different times, by the Early Cholas, Early Pandyas, Pallavas, Medieval Cholas, Later Cholas, Later Pandyas, Delhi Sultanate, Madurai Sultanate, Vijayanagar Empire, Nayak Dynasty, the Carnatic state and the British. The archaeologically important town of Uraiyur which served as the capital of the early Cholas is a suburb of Tiruchirappalli. The city played a critical role in the Carnatic Wars between the British and the French East India companies. It has a number of historical monuments with the Rockfort, Ranganathaswamy temple at Srirangam and the Jambukeswarar temple at Thiruvanaikaval being the most prominent among them.

Tiruchirappalli is an important industrial and educational hub of Tamil Nadu. The factories such as Ordnance Factory Tiruchirappalli (OFT), Heavy Alloy Penetrator Project (HAPP), Bharat Heavy Electricals Limited (BHEL) and Golden Rock Railway Workshops are located in Tiruchirappalli. The National Institute of Technology (NIT), the Bharathidasan Institute of Management (BIM), Indian Institute of Management (IIM), Indian Institute of Information Technology (IIIT), Bharathidasan University (BDU) and Anna University of Technology have their campuses in the city. Tiruchirappalli is internationally popular for a brand of cheroot known as the Trichinopoly cigar which was exported in large quantities to the United Kingdom in the Nineteenth century.

Tiruchirappalli is administered by a municipal corporation established as per the Tiruchirappalli City Municipal Corporation Act 1994.Tiruchirappalli is well-connected by road, rail and air. There are direct passenger flight services to destinations in South-East Asia and the Middle East.

2. NIT, TIRUCHIRAPPALLI – AN OVERVIEW

2.1. BRIEF INFORMATION ABOUT THE INSTITUTE

The National Institute of Technology, Tiruchirappalli has distinguished itself on the national scene this year by being ranked first among the 31 NITs (third year in a row) and Eleventh 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 Autonomous Institution 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 March 2018, by the President of India. 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. There are 6400 students (600 overseas students) who choose NIT Tiruchirappalli for one of the 10 Undergraduate Courses, the 28 Postgraduate Courses in Science, Engineering & Technology, and Management, as well as M.S. (by Research) and Ph.D. programmes. The vibrant campus is a shining example of cultural diversity with students drawn from almost all the states in the country.

2.2. VISION, MISSION AND CORE VALUES

2.2.1. Preamble

NIT Tiruchirappalli, through its Vision, Mission and Core Values, defines herself as:

- An Indian institution with world standards

- A global pool of talented students, committed faculty and conscientious researchers

- Responsive to real-world problems and, through a synergy of education and research, engineer a better society

2.2.2. Vision

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

2.2.3. 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.

2.2.4. Core Values

Integrity

Honest in intention, fair in evaluation, transparent in deeds and ethical in our personal and professional conduct that stands personal and public scrutiny.

Excellence

Commitment to continuous improvement coupled with a passion for innovation that drives the pursuit of the best practices; while achievement is always acknowledged, merit will always be recognized.

Unity

Building capacity through trust in others' abilities and cultivating respect as the cornerstone of collective effort.

Inclusivity

No one left behind; no one neglected; none forgotten in the mission of nation building through higher learning.

Goals

International Accreditation and Ranking in tertiary education largely guide goal-setting. The perception built by the stakeholders, crucially, influence the process of repositioning. Benchmarking with global universities who are in the top 200 in world rankings in terms of teaching, innovation and research, funding and internationalisation. Hence, the need to set the following goals:

- Attracting top talent and global collaborations

- Building world-class research infrastructure to facilitate multi- / inter- / transdisciplinary research

- Initiatives towards financial sustainability

- Social outreach activities of national / international importance

- Top 10 in India ranking in Engineering Discipline

- Top 500 in World Ranking

3. ADMINISTRATION

3.1. BOARD OF GOVERNORS

1.	Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu-620015.	Chairperson In-charge
2.	Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu-620015.	Ex-Officio
3.	Joint Secretary (Technical Education), Dept. of Higher Education, MHRD, Govt. of India, New Delhi – 110 001.	Member
4.	Joint Secretary and Financial Advisor, IFD Department of Higher Education, MHRD, Govt. of India, New Delhi- 110 001	Member
5.	Dr. (Mrs). Gagandeep Kang, Director, Translational Health Science and Technology Institute(THSTI), NCR Biotech Science Cluster, Faridabad	Member
6.	Dr. (Mrs). Vinod Krishan, Senior Professor and Dean of Sciences, Indian Institute of Astrophysics, Bangalore.	Member
7.	Dr. Krishnan Balasubramanian, Dean (Industrial Consultancy & Sponsored Research), Indian Institute of Technology-Madras	Member
8.	Dr. P. Jayabalan, Professor, Department of Civil Engineering, National Institute of Technology – Tiruchirappalli.	Member
9.	Dr. K. Muthukkumaran, Professor, Department of Civil Engineering, National Institute of Technology – Tiruchirappalli.	Member
10.	Registrar, National Institute of Technology, Tiruchirappalli, Tamil Nadu -620015.	Secretary

Department of Higher Education, Ministry of Human Resource Development, Government of India had reconstituted the Board of Governors of NIT, Trichy Order of the State Government and Council of NITs nominees on the BOG of NIT - Tiruchirappalli -Notification no. F.19-4/2011-TS.III dated February 6, 2015.

During the Year under report the Board met on the dates mentioned below:

Date	BOG Meeting	Venue
01-05-2017	45th Meeting	Board room, IIT Delhi
13-07-2017	46th Meeting	OOM Room, NIT Tiruchirappalli
08-11-2017	47th Meeting	Board room, IIT Delhi
01-12-2017	48th Meeting	OOM Room, NIT Tiruchirappalli
12-03-2018	49th Meeting	OOM Room, NIT Tiruchirappalli

DIRECTORS OF NIT, TIRUCHIRAPPALLI

Following is the list of Principals / Director's whose vision and zeal helped in taking this Institute forward:

Sl. No.	Name	Period
1.	Prof. P. S. Manisundaram	1964-1982
2.	Prof. S. Nagaratnam	1982-1989
3.	Prof. B. Ilango	1989-1994
4.	Prof. C. R. Kandasamy	1994-1994
5.	Prof. K. L. P Mishra	1995-1997
6.	Prof. Aravindan	1997-2000
7.	Prof. M. Arumugam	2000-2003
8.	Prof. P. Subramanian	2003-2005
9.	Prof. M. Chidambaram	2005-2010
10.	Prof. V. Sivan	2010-2010
11.	Prof. S. Sanchetti	2010-2011
12.	Dr. Srinivasan Sundarrajan	2011-2016
13.	Prof. (Mrs). Mini Shaji Thomas	Since 2016

3.2. COMMITTEES AT NITT

3.2.1. Finance Committee

All matters relating to Finance are dealt with the Committee. The Finance Committee consists of the following members:

Director	National Institute of Technology, Tiruchirappalli – 620 015	Chairperson In-charge
Director	National Institute of Technology, Tiruchirappalli – 620 015	Ex-Officio
Two members Nominated by the Government of India		
Joint Secretary & Financial Advisor, IFD	Dept. of Higher Education, MHRD, Government of India, Delhi – 110 001	Member Ex-officio
Joint Secretary (Technical Education)	Dept. of Higher Education, MHRD, Government of India, Delhi – 110 001	Member Ex-officio

One member Nominated by Board among the Board Members		
Dr. P. Jayabalan	Professor, Dept of Civil Engineering, NIT, Tiruchirappalli – 620 015	Member
Registrar	NIT, Tiruchirappalli – 620 015	Member Secretary Ex-officio

During the year under report, the Finance Committee Meetings were conducted on the following dates:

FC Meeting	Date	Venue
32nd	01/05/2017	Board Room, IIT Delhi
33rd	13/07/2017	OOM Room, NIT, Tiruchirappalli
34th	08/11/2017	Board Room, IIT Delhi
35th	12/03/2018	OOM Room, NIT, Tiruchirappalli

3.2.2. Building and Works Committee

Based on the norms prescribed by the Government of India, the Building and Works Committee was formed.

The following are members of the Buildings and Works Committee

Director, NIT, Tiruchirappalli – 620 015	Chairperson
Members	
Shri. K. Rajan Representative Under Secretary Department of Higher Education Ministry of Human Resource and Development Shastri Bhavan, New Delhi – 110 001	Dr. C. Natarajan, Professor, Dean (Planning & Development), National Institute of Technology, Tiruchirappalli.
Er. Jagannathan Manickam Superintending Engineer (Civil), IIM Trichy Project Circle, CPWD, IIM Site Office Building, Chinna Suriyur Village, Near Bharathidasan University, Trichy - 620024	Dr. K. Muthukkumaran Professor, Department of Civil Engineering National Institute of Technology, Tiruchirappalli.
Registrar, NIT, Tiruchirappalli – 620 015	**Member Secretary**

During the year under report, the Buildings & Works Committee were conducted on the following dates:

B & WC Meeting	Date	Venue
18th	24/01/2018	Oom Room, NIT, Tiruchirappalli

3.2.3 The Senate

All-important academic matters, curriculum development, approval of syllabi, academic rules and regulations, etc. are dealt with the Senate. The composition of Senate as approved by the Government of India is given below:

Director, NIT, Tiruchirappalli – 620 015	Chairman
All Professors	Members
EXTERNAL MEMBERS	
Dr. V. Jagadeesh Kumar, Professor & Head, Dept. of Electrical Engineering, Indian Institute of Technology Madras, Chennai – 600 036	Dr. Malathy Duraisamy, Professor of Economics, Dept. of Humanities & Social Sciences, Indian Institute of Technology Madras Chennai – 600 036

During the year under report the Senate Meetings were conducted on the following dates and accorded approval for various academic matters and the award of Degrees to the Graduands.

Meeting	Date	Venue
37th	06/07/2017	A13 Hall, NIT, Tiruchirappalli
38th	21/11/2017	A13 Hall, NIT, Tiruchirappalli

3.2.4. Staff Selection Committee

The faculty members are selected on all India basis by direct recruitment through an open advertisement. The constitution of the Staff Selection Committee is as prescribed in the First Statutes of the National Institute of Technology.

The Selection Committee for recruitment or promotion of Academic Staff (excluding the Director and the Deputy Director):

Chairman	The Director, NIT, Tiruchirappalli – 620 015
Members	**Visitor's Nominee** Dr. V. Jagadeesh Kumar, Professor & Head Dept. of Electrical Engineering, IIT, Chennai -600036
	Two Nominees of the Board one being an expert, but other than a member of the Board.
	One expert nominee of Senate from outside the Institute.
	Head of the Department concerned (For other than the post of Professor)

During the year under report no appointments were made.

3.2.5. Selection Committee for Technical / Administrative / Ministerial Staff

The Director is the appointing authority for all Non-teaching staff posts (below the scale of Asst. Professors). The selection committee constituted as per the First Statutes of National Institute of Technology will give recommendations based on prescribed norms, vacancy position, etc.

The Selection Committee for Technical posts is as follows:

Chairman	The Director, NIT, Tiruchirappalli – 620 015
Members	One expert from outside the Institute
	Nominee of Ministry of Human Resource Development
	Head of the Department Concerned
	Registrar

The Selection Committee for Administrative and Ministerial staff is as follows:

Chairman	The Director, NIT, Tiruchirappalli – 620 015
	One expert from outside the Institute
Members	Nominee of Ministry of Human Resource Development
	Registrar

Total Nos. of Selection Committee conducted during: 3 times

The Selection Committee for Senior Administrative and other comparable posts carrying pay scale of Lecturer and above is as follows:

Chairman	The Director , NIT, Tiruchirappalli – 620 015
Members	One expert from outside the Institute
	Nominee of Ministry of Human Resource Development
	Nominee of the Board
	Registrar

Faculty / Staff Appointed from 01/04/2017 To 31/03/2018

The list of staffs joined during the year under report is furnished below:

Sl. No.	Name	Designation
1.	Dr. Senthilkumar R	Assistant Professor
2.	Dr. Karthik Thirumala	Assistant Professor
3.	Dr. Josephine R L	Assistant Professor
4.	Dr. Prakash N	Assistant Professor
5.	Dr. Kaushik P	Assistant Professor
6.	Dr. Harish Kruthiventi S S	Assistant Professor
7.	Dr. Vivek Mohan	Assistant Professor

The list of Non-teaching staff joined during the year under report is furnished below:

Sl. No.	Name	Designation
1.	Dr. Moorthi S	Medical Officer
2.	Dr. Priyanka R	Medical Officer
3.	Shri. Narayanan R	Executive Engineer
4.	Shri. Vigneshwara Raj A G	Assistant Registrar
5.	Dr. Sathish Kumar S	Assistant Registrar
6.	Shri. Murugan G	Security Officer
7.	Shri. Karthikeyan R	Assistant Registrar

3.3. STAFF POSITION

The sanctioned strength against the actual staff in position as on 31.3.2018 is furnished below:

Sl. No.	Category	Sanctioned Strength	Staff In Position
1.	Director	1	1
2.	Professor	56	95
3.	Associate Professor	112	84
4.	Assistant Professor	225	73
5.	General Admn. & Officer Staff		61
6.	Technical Staff	432	83
7.	Other Staff		56

Faculty / Staff retired during the period from 01.04.2017 to 31.03.2018

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1.	Smt. Seethalakshmi R	Junior Assistant	Central Library	31.05.2017
2.	Smt. Brindha R	Senior Assistant	O/o. Dean (Academic)	31.05.2017
3.	Shri. Sakthivel A	Superintendent	Architecture	30.06.2017
4.	Shri. Veeran V	Attendant SG –I	Computer Support Group	30.06.2017
5.	Shri. Gowri Sharma K	Security Guard SG –I	Security Office	31.07.2017
6.	Shri. Sivaprasad Sharma U	Security Guard SG –I	Security Office	31.07.2017
7.	Shri. Periyamayan S	Technical Assistant	Production	31.08.2017
8.	Shri. Yamalal Sharma N	Security Guard SG –I	Security Office	30.11.2017
9.	Smt Kamala T	Senior Attendant	Computer Support Group	31.01.2018
10.	Dr. Suthakar T	Associate Professor	Mechanical	31.01.2018
11.	Dr. Nallaswamy R	Professor	Mathematics	31.01.2018

National Institute of Technology, Tiruchirappalli – 620 015

Faculty / Staff took VRS during the period from 01.04.2017 to 31.03.2018

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
NIL

Staff expired while in service during the period from 01.04.2017 to 31.03.2018

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1.	Vishnu Bahadur L	Superintendent	Administrative Office	14.02.2018

3.4. FINANCE AND ACCOUNTS

The Union, Ministry of Human Resource Development, New Delhi is providing full financial assistance for both the Capital and Revenue expenditure.

Capital: All developmental activities such as construction of buildings, purchase of equipment, furniture and books are procured out of this fund

Revenue: Regular recurring expenditures such as salary & allowances, Pension, Family Pension, Retirement Benefits, Department Operating Cost, Electricity/Water charges etc. are being met out of this grant.

In addition to the above, R & D sanctions from various funding agencies were also received by this institution.

List of Funds Received under various heads are Given Below:

(Rs. in Lakhs)

Sl. No.	Details of Sanctions	Amount sanctioned by MHRD
1.	Capital Head	5351.00
2.	Revenue Head	9237.00
3.	R & D Projects	805.60
	TOTAL	**15393.60**

3.4.1. Audit

MHRD, the Government of India had entrusted the certification of accounts of the Institute to Comptroller & Auditor General, New Delhi. The Principal Accountant General (Tamil Nadu) had completed the audit on the accounts of the institute submitted to them.

3.4.2. Annual Expenditure

(Rs. in Lakhs)

Sl. No.	Heads	Amount Incurred	Unspent Balance
1.	Capital Head	5525.75	547.90
2.	Revenue Head	15561.21	1180.84
3.	R & D Projects	546.71	902.66

4. STRATEGIC PLANNING GROUP

The Strategic Planning Group (SPG) of NIT Tiruchirappalli was constituted in October 2017 to prepare the long term of vision and strategic plan of the institute. The main objective of the SPG is to develop strategies for improving national and international rankings along with the guide ways for the implementation and evaluation of strategic initiatives. The very first task of SPG was to develop a strategic plan of the institute for the next five years starting from 2019. Strategic planning of the Institute is a formalized, documented organizational management process used to analyze its current situation, set priorities, and to focus resources to achieve and maintain an Institute's competitive advantage.

The strategic planning activity started in October 2017, with a workshop on 'Technical Education in the National Context: Challenges and Strategies' where 21 eminent speakers deliberated on building world-class Institutions. This was followed by a series of workshops, to understand the attributes of world-class Institutions, Institutional SWOT, vision and strategy. SPG followed a bottom up approach, in which all the stakeholders, including faculty, staff and students were involved in evolving the strategy which revolves around teaching-learning, research and collaborations aimed at sustainability and good governance. External experts were invited repeatedly to validate the course and outcome of the plans.

The developed strategic plan shall definitely help to define the direction in which the institute must travel, and shall aid in establishing realistic objectives and goals that are in line with the vision and mission charted out for it. The strategic plan of the institute shall provide the roadmap to align the functional activities of the institute to achieve set goals. Strategy initiatives would begin at the multi-disciplinary and inter-disciplinary levels and expand in good time to trans-disciplinary level. Efforts to actualize ideas involve:

- an increased involvement of alumni
- opening the campus to more international faculty and students
- enabling a vigorous culture of innovation and entrepreneurship
- evolving admission and recruitment policies that are sensitive to contemporary needs and challenges
- increasing value by international accreditation
- forging new partnerships with industry and globally top-ranked universities

The new performance paradigm makes it imperative to reposition in symbolic and actual terms. The symbolic involves a revisiting of the Emblem; the actual repositioning involves a pragmatic approach to financial sustainability.

5. ACADEMIC PROGRAMMES AND AWARD OF DEGREES

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.

5.1. PROGRAMMES OF STUDY

5.1.1. Undergraduate Programmes

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

Bachelor of Architecture (10 Semesters)

1. Architecture

5.1.2. Postgraduate Programmes

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

Master of Architecture (4 Semesters)

1. Energy Efficient and Sustainable Architecture

Master of Science (4 Semesters)

1. Computer Science
2. Chemistry
3. Physics

Master of Business Administration (6 Trimesters)

Master of Computer Applications (6 Semesters)

Master of Science (By Research)

All Engineering Departments

Doctor of Philosophy

All Departments

5.2. ADMISSIONS 2017-18

Admission to B. Tech. and B. Arch. programmes is through the IITJEE. NIT, Tiruchirappalli follows the reservation policy declared by the Supreme Court of India, by which 27% of seats are reserved for Other Backward Classes (OBCs), 15% for Scheduled Castes (SCs), and 7.5% for Scheduled Tribes (STs). The Institute also accepts foreign nationals through scholarships awarded by the Government of India, and non-resident Indians through an independent scheme known as Direct Admission for Students Abroad (DASA). Admissions to M. Tech., MBA and MCA are based on the scores in the Graduate Aptitude Test in Engineering (GATE), CAT and by NIMCET examinations respectively.

5.2.1. Fresh Admission 2017-18

Total no. of students admitted for UG and PG Courses during the year includes the following:

Sl. No.	Category	UG	PG	Total
1.	Foreign Nationals	14	0	**14**
2.	Scheduled Castes	108	139	**247**
3.	Scheduled Tribes	53	52	**105**
4.	Physically Handicapped	19	3	**22**
5.	OBC	245	437	**682**
6.	DASA	105	3	**108**

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M.Sc.	MCA	MBA	MS	Ph. D.	TOTAL
1.	Architecture	41	-	18	-	-	-	-	-	2	**61**
2.	Chemical Engineering	-	69	-	46	-	-	-	-	8	**123**
3.	Chemistry	-	-	-	-	27	-	-	-	7	**34**
4.	Civil Engineering	-	98	-	109	-	-	-	1	18	**226**
5.	Computer Applications	-	-	-	22	24	86	-	-	14	**146**
6.	Computer Science and Engineering	-	104	-	30	-	-	-	2	11	**147**
7.	Electrical and Electronics Engineering	-	104	-	49	-	-	-	5	16	**174**
8.	Electronics and Communication Engineering	-	104	-	51	-	-	-	2	19	**176**
9.	Energy and Environment	-	-	-	17	-	-	-	-	6	**23**
10.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	13	**13**
11.	Instrumentation and Control Engineering	-	103	-	-	-	-	-	1	9	**113**
12.	Management Studies	-	-	-	-	-	-	87	-	8	**95**
13.	Mathematics	-	-	-	-	-	-	-	-	5	**5**
14.	Mechanical Engineering	-	105	-	48	-	-	-	5	24	**182**
15.	Metallurgical and Materials Engineering	-	61	-	52	-	-	-	1	11	**125**
16.	Physics	-	-	-	12	27	-	-	-	15	**54**
17.	Production Engineering	-	95	-	53	-	-	-	3	29	**180**
	TOTAL	**41**	**843**	**18**	**489**	**78**	**86**	**87**	**20**	**215**	**1877**

5.3. STUDENTS / SCHOLARS ON ROLL IN VARIOUS PROGRAMMES

The total numbers of students on roll in various programmes of the Institute in the academic year 2017-18 are given below:

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M.Sc.	MCA	MBA	MS	Ph. D.	TOTAL
1.	Architecture	219	-	33		-	-	-	-	23	**275**
2.	Chemical Engineering	-	269	-	76	-	-	-	1	43	**389**
3.	Chemistry	-	-	-		53	-	-	-	53	**106**
4.	Civil Engineering	-	392	-	214	-	-	-	8	70	**684**
5.	Computer Applications	-	-	-	22	49	264	-	-	83	**418**
6.	Computer Science and Engineering	-	415	-	57	-	-	-	6	49	**527**
7.	CECASE	-	-	-	-	-	-	-	30	20	**50**
8.	Electrical and Electronics Engineering	-	408	-	94	-	-	-	17	68	**587**
9.	Electronics and Communication Engineering	-	423	-	105	-	-	-	10	86	**624**
10.	Energy and Environment	-	-	-	28	-	-	-	2	20	**50**
11.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	33	**33**
12.	Instrumentation and Control Engineering	-	393	-	-	-	-	-	7	53	**453**
13.	Management Studies	-	-	-	-	-	-	161	-	58	**219**
14.	Mathematics	-	-	-	-	-	-	-	-	9	**9**
15.	Mechanical Engineering	-	418	-	97	-	-	-	35	118	**668**
16.	Metallurgical and Materials Engineering	-	249	-	104	-	-	-	18	68	**439**
17.	Physics	-	-	-	25	54	-	-	6	78	**163**
18.	Production Engineering	-	390	-	106	-	-	-	31	101	**628**
	TOTAL	**219**	**3357**	**33**	**928**	**156**	**264**	**161**	**171**	**1033**	**6322**

5.3.1. SC/ST Students on roll

Sl. No.	Programme	SC	ST
1.	B. Tech.	429	218

National Institute of Technology, Tiruchirappalli – 620 015

2.	B.Arch.	30	18
3.	M. Arch.	5	1
4.	M.Tech.	128	55
5.	M.B.A.	23	6
6.	M.C.A	43	18
7.	M.Sc.	22	6
8.	Ph.D.	176	24
9.	MS	25	3
	TOTAL	**881**	**349**

The branch/ discipline- wise and year-wise details of students enrolled in B. Tech. and M. Tech. Degree Programmes are given below:

5.3.2. B. Tech. / B.Arch. Students on roll

Sl. No.	Department	I Year	II Year	III Year	IV Year	V Year	Total
1.	Architecture	41	41	43	48	46	**219**
2.	Chemical Engineering	69	60	69	71	-	**269**
3.	Civil Engineering	98	95	98	101	-	**392**
4.	Computer Science & Engineering	104	103	102	106	-	**415**
5.	Electrical & Electronics Engineering	104	99	102	103	-	**408**
6.	Electronics & Communication Engineering	104	107	103	109	-	**423**
7.	Instrumentation & Control Engineering	103	92	100	98	-	**393**
8.	Mechanical Engineering	105	101	104	108	-	**418**
9.	Metallurgical & Materials Engineering	61	60	64	64	-	**249**
10.	Production Engineering	95	95	98	102	-	**390**
	TOTAL	**884**	**853**	**883**	**910**	**46**	**3576**

5.3.3. M. Arch. & M.Tech. Students on Roll

Sl. No.	Department / Discipline	I Year	II Year	Total
1.	**Architecture (M. Arch.)**			
	Energy Efficient and Sustainable Architecture	18	15	**33**
2.	**Chemical Engineering**			
	Chemical Engineering	25	20	**45**
	Process control & Instrumentation	21	10	**31**
3.	**Civil Engineering**			
	Transportation Engineering and Management.	28	25	**53**
	Structural Engineering	28	27	**55**
	Environmental Engineering	23	24	**47**

	Construction Technology and Management	30	29	**59**
4.	**Computer Applications**			
	Data Analytics	22	-	**22**
5.	**Computer Science & Engineering**			
	Computer science and Engineering	30	27	**57**
6.	**Electrical & Electronics Engineering**			
	Power Electronics	22	21	**43**
	Power Systems	27	24	**51**
7.	**Electronics & Communication Engineering**			
	Communication Systems	27	28	**55**
	VLSI System	25	25	**50**
8.	**Energy and Environment**			
	Energy Engineering	17	11	**28**
9.	**Mechanical Engineering**			
	Industrial Safety and Engineering	27	25	**52**
	Thermal Power Engineering	21	24	**45**
10.	**Metallurgical & Material Engineering**			
	Materials Science and Engineering	12	17	**29**
	Welding Engineering	26	23	**49**
	Industrial Metallurgy	13	13	**26**
11.	**Production Engineering**			
	Industrial Engineering Management	27	26	**53**
	Manufacturing Technology	26	27	**53**
12.	**Physics**			
	Non - Destructive Testing	12	13	**25**
	TOTAL	**507**	**454**	**961**

5.3.4. MBA Students on Roll

SI. No.	Department	I Year	II Year	Total
1.	Management Studies / MBA	87	74	161

5.3.5. MCA Students on Roll

SI. No.	Department	I Year	II Year	III Year	Total
1.	Computer Applications / MCA	86	90	88	264

5.3.6. M.Sc. Students on Roll

SI. No.	Department	I Year	II Year	Total
1.	Chemistry	27	26	53
2.	Computer Applications	24	25	49
3.	Physics	27	27	54
	TOTAL	**78**	**78**	**156**

5.3.7. M.S. Students on Roll

Sl. No.	Department	2013	2014	2015	2016	2017	Total
1.	Chemical Engineering	-	1	-	-	-	**1**
2.	Civil Engineering	-	2	2	3	1	**8**
3.	Computer Science & Engineering	-	-	2	2	2	**6**
4.	Electrical & Electronics Engineering	2	2	4	4	5	**17**
5.	Electronics & Communication Engineering	1	2	4	1	2	**10**
6.	Energy and Environment	-	-	-	2	-	**2**
7.	Instrumentation & Control Engineering	-	1	5	-	1	**7**
8.	Mechanical Engineering	6	7	8	9	5	**35**
9.	Metallurgical & Materials Engineering	3	3	11	-	1	**18**
10.	Physics	-	1	2	3	-	**6**
11.	Production Engineering	5	6	12	5	3	**31**
12.	CECASE	7	5	13	5	-	**30**
	Total	**24**	**30**	**63**	**34**	**20**	**171**

5.3.8. Ph.D. Students on Roll

Sl. No.	Department	2012	2013	2014	2015	2016	2017	Total
1.	Architecture	4	4	5	6	2	2	**23**
2.	Chemical Engineering	1	4	10	11	9	8	**43**
3.	Chemistry	4	8	12	12	10	7	**53**
4.	Civil Engineering	5	8	14	14	11	18	**70**
5.	Computer Applications	12	15	12	18	12	14	**83**
6.	Computer Science & Engineering	4	7	9	10	8	11	**49**
7.	Electrical & Electronics Engineering	5	5	21	14	7	16	**68**
8.	Electronics & Communication Engineering	1	8	21	25	12	19	**86**
9.	Energy and Environment	2	1	2	4	5	6	**20**
10.	Humanities and Social Sciences	3	4	6	3	4	13	**33**
11.	Instrumentation and Control Engineering	6	3	11	16	8	9	**53**
12.	Mechanical Engineering	7	9	21	25	32	24	**118**
13.	Metallurgical and Materials Engineering	4	7	15	19	12	11	**68**
14.	Physics	9	9	17	14	13	16	**78**
15.	Production Engineering	8	4	12	21	27	29	**101**
16.	Management Studies	10	8	13	12	7	8	**58**
17.	Mathematics	1	1	-	2	-	5	**9**
18.	CECASE	-	3	6	9	2	-	**20**
	Total	**86**	**108**	**207**	**235**	**181**	**216**	**1033**

5.4. CONVOCATION

The 13th Convocation of NIT, Tiruchirappalli was held on 12th August 2017. Padma Vibhushan Shri. N. R. Narayana Murthy Founder, INFOSYS, Bengaluru delivered the Convocation address. Also, the Institute conferred the degree of Doctor of Letters (Honoris Causa) to Shri. N. Chandrasekaran, Chairman of Tata Sons. A total of 1649 candidates were awarded various degrees of which 1,147 candidates received degrees in person. The department-wise details of the degrees awarded are given below:

5.4.1. Total Number of Graduands (Department Wise)

Sl. No.	DEPARTMENT	B.Arch.	B. Tech.	M. Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1.	Architecture	46	-	-	-	-	-	-	1	**47**
2.	Chemical Engineering	-	66	18	-	-	-	3	8	**95**
3.	Civil Engineering	-	97	92	-	-	-	6	6	**201**
4.	Computer Science and Engineering	-	103	24	-	-	-	3	3	**133**
5.	Electrical and Electronics Engineering	-	99	52	-	-	-	2	6	**159**
6.	Energy and Environment	-	-	18	-	-	-	-	1	**19**
7.	Electronics and Communication Engineering	-	99	48	-	-	-	6	4	**157**
8.	Instrumentation and control Engineering	-	95	18	-	-	-	4	3	**120**
9.	Mechanical Engineering	-	97	45	-	-	-	3	6	**151**
10.	Metallurgical and materials Engineering	-	59	51	-	-	-	3	8	**121**
11.	Production Engineering	-	99	55	-	-	-	6	18	**178**
12.	CECASE	-	-	-	-	-	-	1	1	**2**
13.	Chemistry	-	-	-	26	-	-	-	7	**33**
14.	Physics	-	-	23	26	-	-	-	3	**52**
15.	Mathematics	-	-	-	-	-	-	-	1	**1**
16.	Computer applications	-	-	-	19	88	-	-	4	**111**
17.	Management studies	-	-	-	-	-	64	-	2	**66**
18.	Humanities and Social Sciences	-	-	-	-	-	-	-	3	**3**
	TOTAL	**46**	**814**	**444**	**71**	**88**	**64**	**37**	**85**	**1649**

TOTAL NUMBER OF GRADUANDS (M.Tech.) / SPECIALIZATION WISE

Sl. No.	Department	Specialization	No. of Graduands
1.	Chemical Engineering	Chemical engineering	18
2.	Civil Engineering	Transportation engineering and management	24
		Structural engineering	23
		Environmental engineering	20
		Construction Technology and Management	25
3.	Computer Science and Engineering	Computer science and engineering	24
4.	Electrical and Electronics Engineering	Power systems	29
		Power electronics	23
5.	Energy and Environment	Energy engineering	18
6.	Electronics and Communication Engineering	Communication systems	27
		VLSI system	21
7.	Instrumentation and Control Engineering	Process control and instrumentation	18
8.	Mechanical Engineering	Industrial safety engineering	24
		Thermal power engineering	21
9.	Metallurgical and Materials Engineering	Welding engineering	24
		Materials science and engineering	13
		Industrial metallurgy	14
10.	Production Engineering	Manufacturing technology	26
		Industrial engineering and management	29
11.	Physics	Non-destructive testing	23
TOTAL			**444**

5.4.2. Convocation Prizes

The following are the details of prizes awarded to the students at the 13th Convocation:

President Medal (Overall Highest CGPA in B.Tech.)

Department	Roll No.	Name	CGPA
Computer Science and Engineering	106113009	Amrith Rajagopal Setlur	9.91
Metallurgical and Materials Engineering	112113062	Yashvi Singh	9.91

The Institute Medal 2017 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102113012	B Soundarya	9.84
Civil Engineering	103113030	Chava Triveni	9.7
Computer Science and Engineering	106113009	Amrith Rajagopal Setlur	9.91

Electrical and Electronics Engineering	107113077	Roshini Devi K L	9.6
Electronics and Communication Engineering	108113058	Nandhini Kumar	9.53
Instrumentation and Control Engineering	110113086	Sudharshan Suresh	9.45
Mechanical Engineering	111113032	I Chilton Frazer	9.58
Metallurgical and Materials Engineering	112113062	Yashvi Singh	9.91
Production Engineering	114113062	R Aravind	9.63
Architecture	101112043	Swetha Bhargavi A	9.3

The Institute Medal 2017 for the overall Highest CGPA in M.Tech.

Specialization	Roll No.	Name	CGPA
Chemical Engineering	202115017	Mahajan Gokul Vishwanath	9.42
Process Control and Instrumentation	210115012	Jadhav Rushikesh Ramrao	9.2
Energy Engineering	202315018	Miji E J	9.82
Computer Science and Engineering	206115013	Siraj P S	9.84
Transportation Engineering and Management	203115005	Aparna S	9.5
Structural Engineering	203215006	Narsiram Gurjar	9.53
Environmental Engineering	203415004	Archa Baiju	9.58
Construction Technology and Management	203515024	Amit Agarwal	9.58
Communication Systems	208115017	Florintina C	9.92
VLSI System	208215002	Susmitha S	9.59
Power Systems	207115013	Hari Sanker K	9.47
	207115017	Vaishnavi R	9.47
Power Electronics	207215002	Akhil S	9.66
Thermal Power Engineering	211315016	Sudhir Kumar Sahoo	9.74
Industrial Safety Engineering	211215018	Sambhu B	8.94
Welding Engineering	212115014	Mohamed Aleem S	9.52
Materials Science and Engineering	212215017	Arun Mohan	9.72
Industrial Metallurgy	212315009	Vivek Gaurav	9.48
Non-Destructive Testing	213115013	Vinoth Kumaar A	9.5
Manufacturing Technology	214115005	G Prabu	9.61
	214115020	Mohan Satya Narayana Reddy N	9.61
Industrial Engineering and Management	214215015	Salma Morris	9.68

The Institute Medal 2017 for the overall Highest CGPA in M.Sc.

Department	Specialization	Roll No.	Name	CGPA
Chemistry	Chemistry	204115013	Priyanka Chakraborty	9.84
Computer Applications	Computer Science	216215011	Kalyan KS	9.64
Physics	Physics	213215002	Parvathi Harikumar	9.65

The Institute Medal 2017 for the overall Highest CGPA in MCA

Department	Roll No.	Name	CGPA
Computer Applications	205114001	Srishti Gupta	9.72

The Institute Medal 2017 for the overall Highest CGPA in MBA

Department	Roll No.	Name	CGPA
Management Studies	215115037	Shadhin S	9.26

5.5. INSTITUTE DAY PRIZES

On the basis of academic performance, the following students were awarded Merit Prizes on the 55th edition of Institute Day held on 17th April 2018. Professor Furqan Qamar, Secretary General, Association of Indian Universities was the Chief Guest.

5.5.1. Rank Holders (UG & PG)

B.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	102113012	B SOUNDARYA	9.73
	2	102113009	ARVIND PARI	9.68
	3	102113016	CHARULATHA B	9.64
2014	1	102114054	SHIBASHISH DEVIDUTTA JAYDEV	9.87
	2	102114025	HARI PRIYA R	9.62
	3	102114004	ABHISHEK RAO	9.26
2015	1	102115060	SRIHARI S	10.00
	2	102115010	BHUBESH MURUGAPPAN	9.47
	3	102115001	A MUTHUKRISHNAN	9.40

B.Tech. / CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	103113030	CHAVA TRIVENI	9.72
		103113019	AVALA AKHILA	9.72
	2	103113023	BANDARU HEMANTH	9.58
	3	103113052	MANEPALLI PRIYUSHA LAKSHMI	9.51
2014	1	103114082	S R GIRISH KUMAAR	9.66
	2	103114021	CHALAVADI SAI SRUJAN KUMAR	9.62
	3	103114006	ANANTHA SHIVA MANOHAR	9.6
2015	1	103115008	ANTRIKSH SRIVASTAVA	9.89
	2	103115003	ABHISHEK RAJ	9.87
		103115020	DINKAR PARASHAR	9.87
	3	103115093	SRIVIDYA HS	9.51

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	106113091	SUBHAM ROY	9.93
		106113009	AMRITH RAJAGOPAL SETLUR	9.93
	2	106113022	CHEKURI AKHILA	9.86
	3	106113031	HAR SIMRAT SINGH	9.58
2014	1	106114025	G KEERTHANA	9.82
	2	106114101	VEDURUPAKA NAVEEN KUMAR	9.47
		106114090	SHRUTI SUBRAMIYAM	9.47
	3	106114021	CHIDELLA VAGDEVI	9.45
2015	1	106115001	A S SREELAKSHMI	9.77
	2	106115021	DEEP BHATTACHARYYA	9.73
	3	106115005	AISHWARYA NAIR	9.69

B.Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	107113077	ROSHINI DEVI K L	9.45
	2	107113068	PRATISHTHIT IYER	9.35
	3	107113016	BADRINARAYANAN N	9.28
2014	1	107114068	NANDA KISHORE V	9.54
	2	107114027	DIPTAK PAL	9.52
	3	107114079	R SANGEETHA	9.44
2015	1	107115010	ARNAB BHATTACHARJEE	9.96
	2	107115092	SUBHADEEP AICH	9.83
	3	107115061	OBILISETTI SHANMUKHI	9.77

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	108113059	NEELI SRINIKETHAN	9.74
	2	108113023	C ABINAYA	9.72
		108113058	NANDHINI KUMAR	9.72
	3	108113065	PULIMI VENKATA SAI	9.65
2014	1	108114017	ASHWIN R	9.94
	2	108114025	C RAVI SUNDARAM	9.81
	3	108114087	SHREYA RAJKUMAR	9.73
2015	1	108115073	RUPESH GUPTA	10.00
	2	108115070	RAM SRIVATHSA SANKAR	9.93
	3	108115006	ALDEN J JOSEPH	9.74

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	110113074	S RADHIKA	9.95
	2	110113081	SARKAR ABHIK PRADIP	9.45
	3	110113007	AKHIL CHALLA	9.43
2014	1	110114064	PRATEEK VISHAL	9.33

	2	110114091	TINU HAREESSWAR R	9.29
	3	110114073	S S FARHAD NAWAZ	9.25
2015	1	110115009	ANAND M	9.65
	2	110115017	B RINU PREETHI	9.57
	3	110115099	VISHNU C	9.43

B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	111113032	I CHILTON FRAZER	9.85
	2	111113021	CHAMA SAIDEEPA	9.53
	3	111113045	M RISHAL SIVRATH	9.4
2014	1	111114102	TANGSALI KAUSTUBH MAHESH	9.7
	2	111114055	KARTIK PRAKASH	9.45
	3	111114027	BOLLAM ADITYA VENKATA RANGA	9.4
2015	1	111115099	UPADHYAY ARIJIT ALIP	9.76
	2	111115015	ASHUTOSH PANI	9.71
	3	111115054	MOHAMMED MUAAZ MOHAMED DILSHAD H	9.67
		111115076	R ANIRUDH	9.67

B.Tech. / METALLURICAL AND MATERIALS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	112113062	YASHVI SINGH	9.93
	2	112113001	ADARSH S S	9.87
	3	112113015	HARIPRIYA K	9.67
2014	1	112114007	DANDALA SRIJA	9.94
	2	112114023	KALYAN V N S	9.88
	3	112114059	V ARTHI	9.84
2015	1	112115005	AYUSH KHURANA	9.67
		112115048	SAI VENKATA GAYATHRI A	9.67
	2	112115057	SHRUTI SARAH ANAND	9.40
	3	112115017	KULKARNI ANISH NIRANJAN	9.22

B.Tech. / PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2013	1	114113027	DEVARAPU SRIHARSHA	9.78
	2	114113065	R SAI ARAVINDH	9.63
	3	114113062	R ARAVIND	9.61
		114113018	BHARGAV S NIRANJAN	9.61
2014	1	114114074	SAMRUDDHA KOKARE	9.75
	2	114114023	DAKSH KHANTER	9.69
	3	114114031	HARDIK H DUBAL	9.65
2015	1	114115067	PRAVEEN M	9.43
	2	114115042	KEERTHIVASAN C	9.26
		114115064	PATRUNI HEMANTH KUMAR	9.26
	3	114115025	DIVAHAR J	9.20

B.Tech. / I YEAR (2016)

Batch	Rank	Roll Number	Name	CGPA
2016	1	111116089	SRIDHARSAN K S	9.92
	2	107116001	AARYAN S SHAH	9.89
	3	108116088	SOUMYARUP LAHIRI	9.75

B.Arch. / ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2012	1	101112043	SWETHA BHARGAVI A	9.54
	2	101112030	R VIDHYA	9.37
	3	101112021	LAKSHMI K AJAYAN	9.15
2013	1	101113018	JESLU CELINE JACOB	9.49
	2	101113006	ANAGHA D	8.83
	3	101113033	P. LEKHA	8.58
2014	1	101114023	PRIYA S	8.98
	2	101114013	MITHRA R	8.73
	3	101114006	B AMREETA	8.43
2015	1	101115021	MD HASEEN AKHTAR	9.64
	2	101115004	ANU PREETHI S	8.43
	3	101115034	SHAJITHA	8.39
2016	1	101116007	ATHIRA P R	9.13
	2	101116001	AARATI ANIL	9.06
	3	101116040	SWEATHA R	8.85

M.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	202115017	MAHAJAN GOKUL VISHWANATH	9.42
	2	202115020	DIVYA B	9.14
	3	202115010	YOHANNAN SUBIN SABILON	9.11
2016	1	202116015	MADHU	9.26
	2	202116003	VINAY BARNABAS	9.14
	3	202116016	ANAGHA B	8.95

M.Tech. / ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	202315018	MIJI EJ	9.82
	2	202315004	DABILIPURAM NAVEEN	9.59
		202315011	SELVAKUMAR T S	9.59
	3	202315001	SAMEEHA MOHAMED SALI	9.52
2016	1	202316003	MUTHIAH G	9.72
	2	202316010	J JOEL TITUS	9.39
	3	202316008	KIRUBAHARAN R	9.28

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2015	1	210115012	JADHAV RUSHIKESH RAMRAO	9.2
	2	210115011	ARSHAD HUSSAIN	8.72
	3	210115004	SHAH VRAJESHKUMAR SNEKALKUMAR	8.69
2016	1	202216002	VONGURI KRANTHI KUMAR	8.58
	2	202216015	ASHENDRA PATEL	8.45
	3	202216005	DOIPHODE MANISH SHEKHAR	8.40

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2015	1	203115005	APARNA S	9.5
	2	203115009	PARVATHY M.R	9.21
	3	203115004	PASUPULETI SANDNYA RANI	9.05
2016	1	203116020	MEKA SRI SRAVYA	9.62
	2	203116021	VARUN KUMAR DANDA	9.55
	3	203116012	PIDATHALA VAISHNAVI	9.43

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	203215006	NARSIRAM GURJAR	9.53
	2	203215009	MEENAPRIYA G	8.89
	3	203215006	HITESH AGARWAL	8.88
2016	1	203216002	APARNA SATHYAPALAN	9.55
	2	203216014	ANANDU ARAVIND	8.93
		203216026	JYOTHIS PAUL E	8.93
	3	203216003	VIDYA RAVI	8.67

M.Tech. / ENVIRONMENTAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	203415004	ARCHA BAIJU	9.58
	2	203415013	JAYASHREE S	9.41
	3	203415012	G VENKATA KOULINI	9.12
2016	1	203416026	PREETHI V	9.33
	2	203416014	MEENU THAMBI	9.17
	3	203416011	ALPHONSA C JOY	8.98

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2015	1	203515024	AMIT AGARWAL	9.58
	2	203515022	SELVASUNDARAM S	9.32
	3	203515025	AJIT KUMAR K	9.31
		203515023	LAXMANA KUMARA LINGAN KSD	9.31
2016	1	203516011	SAIKEERTHANA A	9.78

Batch	Rank	Roll Number	Name	CGPA
	2	203516013	KAMANI SAWAN JAYANTILAL	9.38
	3	203516004	SUHANYA E	9.28

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	206115013	SIRAJ P S	9.84
	2	206115023	KARTHIKEYAN M	9.59
		206115030	KARTHIK R	9.59
	3	206115016	DANTHALA BHARAT	8.86
2016	1	206116007	MIDHUN P	9.92
	2	206116005	SELVAPRAKASH P	9.38
	3	206116018	MALA.J.B	9.22
		206116020	SIVAKUMAR P	9.22

M.Tech. / POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2015	1	207215002	AKHIL S	9.66
	2	207215030	NITHEESH R	9.15
	3	207215004	AJU SIVAN	9.13
2016	1	207216016	SREELAKSHMY J MENON	9.47
	2	207216017	AKHILA.P.V	9.16
	3	207216018	S P NANDA GOPAL	9.13

M.Tech. / POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2015	1	207115017	VAISHNAVI R	9.47
		207115013	HARI SANKER K	9.47
	2	207115010	PUDI SHANMUKESH	9.42
	3	207115022	POTHURI VISHNU VARDHANA VARMA	9.18
2016	1	207116003	PAILA LAKSHMANA RAO	9.84
	2	207116017	MAHIMA M	9.53
	3	207116015	ARYESH NAMBOODIRI	9.49

M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2015	1	208115017	FLORINTINA C	9.92
	2	208115029	KAPIL SINGH THAKUR	9.45
	3	208115015	JOSHI SANKET DHANANJAY	9.3
2016	1	208116019	VINEETHA YOGESH	9.55
	2	208116010	SHAIK MAHAMMAD	9.50
	3	208116020	INDULEKHA K P	9.26

M.Tech. / VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2015	1	208215002	SUSMITHA S	9.59

National Institute of Technology, Tiruchirappalli – 620 015

	2	208215009	HITESH DIXIT	9.56
	3	208215023	ANOOP V K	9.23
2016	1	208216008	MADALA LAKSHMI RENUKA	9.95
	2	208216028	VISHNUPRIYA V	9.86
	3	208216007	POOJA DINANI	9.52

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	211215018	SAMBHU B	8.94
	2	211215016	ISSATH EBRAHIM P M	8.7
	3	211215024	NISTHU A P	8.63
2016	1	211216026	ASHIMA SABU	9.85
	2	211216004	ANSHUL SAXENA	9.26
	3	211216021	SACHIN CHANDRAN M	9.18

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	211315016	SUDHIR KUMAR SAHOO	9.74
	2	211315021	S ANANDAKRISHNAN	9.34
	3	211315018	ABHISHAD C M	9.3
		211315005	ASHUTOSH BHARTI	9.3
2016	1	211316013	HAROON AL ZAMAN	9.41
	2	211316025	DHEERAJ NARSIAN	9.35
	3	211316006	KARTIK BHANGALE	9.00

M.Tech. / MATERIALS SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	212215017	ARUN MOHAN	9.72
	2	212215004	TOMSON ANJILIVELIL	9.17
	3	212215009	VIPUL JAIN	8.95
2016	1	212216014	PANDE SNEHAL DILIP	9.56
	2	212216005	SONIA SINGH	9.49
	3	212216011	GOVIND S	9.05

M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2015	1	212315009	VIVEK GAURAV	9.48
	2	212315011	YERRA UMAMAHESWARA RAO	8.97
	3	212315004	ASISH SHAJI VARGHESE	8.85
2016	1	212316006	SANGEETHA.G	9.86
	2	212316008	VISHNU SURESH	9.71
	3	212316002	BIRAJA PRASAD TRIPATHY	9.07

M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	212115014	MOHAMED ALEEM S	9.52
	2	212115001	LAHOTI AKSHAY DADARAO	9.35
	3	212115011	AJAY SINGH	9.15
2016	1	212116024	ILHAR UL HASSAN M S	9.71
	2	212116016	YANDRAPU GNANA TEJASWI	9.61
	3	212116012	TAMIL KUMARAN E	9.49

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2015	1	214215015	SALMA MORRIS	9.68
	2	214215007	YADAV RAMESH RAMDHANI	9.55
	3	214215017	DHAKSHINAMOORTHY A M	9.52
2016	1	214216015	PRABHU S	9.71
	2	214216014	AMIT VERMA	9.69
	3	214216024	RAJU GOGOI	9.64

M.Tech. / MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2015	1	214115005	G PRABU	9.61
		214115020	MOHAN SATYA NARAYANA REDDY N	9.61
	2	214115027	PRADEEP BENEDICT T	9.41
	3	214115008	ATHALEKAR PRANAV ATMARAM	9.36
2016	1	214116004	KACHHADIYA ANIKET MANSUKHLAL	9.73
	2	214116019	VAISAKH M	9.27
	3	214116025	ROSH LUCKOSE	9.24

M.Tech. / NON-DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2015	1	213115013	VINOTH KUMAAR A	9.5
	2	213115012	S SARAVANAN	9.48
	3	213115007	ROHIT KUMAR AGRAWAL	9.34
2016	1	213116014	SREECHAND G S	9.78
	2	213116009	KRISHNARAJ K	9.42
	3	213116003	ROSHITH KV	9.05

M. Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2016	1	201116005	RESHMI R	9.17
	2	201116003	JESNA MATHEW	8.75
	3	201116006	NIVEDITHA S	8.64

M.Sc. / COMPUTER SCIENCE

Batch	Rank	Roll Number	Name	CGPA
2015	1	216215011	KALYAN KS	9.64
	2	216215019	AMANI ANORD	9.31
	3	216215014	ASMITHA G R	8.88
2016	1	216216003	TRUPTI BALIGA B	9.76
	2	216216025	RAKSHIT G DWARAM	9.45
	3	216216010	POURNA R K	9.32

M.Sc. / CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2015	1	204115013	PRIYANKA CHAKRABORTY	9.84
	2	204115021	VISHNUNARAYANAN NAMBOOTHIRI V P	9.3
	3	204115007	LAKSHMI N.N	9.28
2016	1	204116002	SHRAVAN R KOUSIK	9.79
	2	204116012	MUHAMMED ARSHAD K	9.45
	3	204116001	N R MYTHREYI	9.39

M.Sc. / PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2015	1	213215002	PARVATHI HARIKUMAR	9.65
	2	213215011	SUTHA G	9.38
	3	213215025	SHEBHA ANANDHI J	9.35
2016	1	213216003	SWATHI S	9.45
	2	213216011	EVAN KURIAN	9.26
	3	213216002	SREELAKSHMY K J	9.13

MBA / MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2015	1	215115037	SHADHIN S	9.26
	2	215115026	KAVYA KRISHNAN K	9.1
	3	215115035	AISHWARYA ROY	9.07
2016	1	215116035	FAYHA ABDUL KAREEM	9.14
	2	215116021	TRYMBAK CHATTERJEE	9.05
	3	215116058	PALURU SWETHA MANASA	9.02

MCA / COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2014	1	205114001	SRISHTI GUPTA	9.69
	2	205114041	BHAVIKA MATTA	9.52
	3	205114063	KOMAL THAKUR	9.31
2015	1	205115009	GUNJAN BHADANI	9.92
	2	205115003	SHUBHAM JAIN	9.55
	3	205115012	VAISHALI KAMBOJ	9.32

	1	205116028	DEVKARAN CHOUHAN	9.58
2016	2	205116002	SHUBHAM MADAN	9.47
	3	205116082	PANKAJ CHANDEL	9.37

5.5.2. Endowment Awards

Sl. 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.	102114054	SHIBASHISH DEVIDUTTA JAYDEV
		102114025	HARI PRIYA R
		102114004	ABHISHEK RAO
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.,	103114082	S R GIRISH KUMAAR
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101112030	VIDHYA R
4.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213116014	SREECHAND G S
5.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107114027	DIPTAK PAL
6.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	111116089	SRIDHARSAN K S
7.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108114025	C RAVI SUNDARAM
8.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102116002	AKASH DHARSAN U S
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110114018	BINDRA NISHIT SINGH NAVNEET SINGH
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110114013	ANJALI MITTAL
11.	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215116021	TRYAMBAK CHATTERJEE
12.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215116073	JESSIMA B
13.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108114025	C RAVI SUNDARAM
14.	Karthik S Memorial Award For the First Rank Holder upto VII semester in B.Tech Production Engineering.	114114074	SAMRUDDHA KOKARE
15.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder upto VII semester in B.Tech. ECE	108114025	C RAVI SUNDARAM

16.	Late S. Doraiswamy Memorial Award For the First Rank Holder upto III semester M.Tech. industrial safety Engineering.	211216026	ASHIMA SABU
17.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	108116086	SIDDHARTH SUDHAKARAN
18.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112114059	V ARTHI
19.	Dr. T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc Physics in I and II Semester	213216003	SWATHI S
20.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108115073	RUPESH GUPTA
21.	Mr. Oisik Adak Endowment Award for "Best Creative Designer" in the Department of Architecture	101113018	JESLU CELINI JACOB
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture	101115030	S JOY GLORIA
		101115036	SHRAVYA Y
		101115004	ANU PREETHI S
		101115037	SIVANESAN M
		101115011	GANESH KUMAR A
		101115031	S VARUN PRASHANTH
		101115014	K HIRESH RAGHAAV
23.	S J Chainulu Medal of Excellence (For the First Rank Holder in First year)		
	Chemical Engineering	102116035	NISCHAL MATHUR
	Civil Engineering	103116042	MEERA MAHADEVAN
	Computer science and Engineering	106116066	RAJAT BHATTA
		106116081	SARAVANAN T
	Electrical and Electronics Engineering	107116001	AARYAN S SHAH
	Electronics and Communication Engineering	108116088	SOUMYARUP LAHIRI
	Instrumentation and Control Engineering	110116031	G VISHAAL
	Mechanical Engineering	111116089	SRIDHARSAN K S
	Metallurgical and Materials Engineering	112116045	R DEVI JANANI
	Production Engineering	114116055	PRATIKSHYA SAHOO
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215116027	GUNDLAPALLI SREEHARSH
		215116029	CHAHAT CHATRATH
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	112114018	GOKUL M

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	112115005	AYUSH KHURANA
27.	Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai	112114007	DANDALA SRIJA
28.	Metallographic contest winner M/s Chennai Metco Pvt.Ltd Chennai	112114043	S MUGHILAN
		112114053	STUTEE NANDA
29.	Best NCC Cadet	110114034	ISHAN BODELE

5.5.3. Alumni Awards

B.Tech. / B.Arch.

Sl. No.	Department	Roll Number	Name	CGPA
1.	Architecture	101113006	ANAGHA D	9.12
2.	Chemical Engineering	102114054	SHIBASHISH DEVIDUTTA JAYDEV	9.7
3.	Civil Engineering	103114082	S R GIRISH KUMAAR	9.67
4.	Computer Science and Engineering	106114025	G KEERTHANA	9.59
		106114101	VENDURUPAKA NAVEEN KUMAR	9.59
5.	Electrical and Electronics Engineering	107114068	NANDA KISHORE V	9.73
6.	Electronics and Communication Engineering	108114025	C RAVI SUNDARAM	9.69
7.	Instrumentation and Control Engineering	110114018	BINDRA NISHIT SINGH NAVNEET SINGH	9.4
8.	Mechanical Engineering	111114102	TANGSALI KAUSTUBH MAHESH	9.73
9.	Metallurgical and Materials Engineering	112114059	V ARTHI	9.92
10.	Production Engineering	114114074	SAMRUDDHA KOKARE	9.54

M.Tech. / M.Sc. / MCA / MBA

Sl. No.	Dept. / Specialization	Roll Number	Name	CGPA
1.	**Chemical Engineering**			
	Chemical Engineering	202116015	MADHU	9.20
	Process Control and Instrumentation	202216002	VONGURI KRANTHI KUMAR	8.90
2.	**Energy and Environment**			
	Energy Engineering	202316003	MUTHIAH G	9.78
3.	**Civil Engineering**			

	Transportation Engineering and Management	203116021	VARUN KUMAR DANDA	9.43
	Structural Engineering	203216002	APARNA SATHYAPALAN	9.43
	Environmental Engineering.	203416026	PREETHI V	9.26
	Construction Technology and Management	203516011	SAIKEERTHANA A	9.60
4.	**Computer Science and Engineering**			
	Computer Science and Engineering	206116007	MIDHUN P	9.94
5.	**Electrical and Electronics Engineering**			
	Power Systems	207116003	PAILA LAKSHMANA RAO	9.88
	Power Electronics	207216016	SREELAKSHMY J MENON	9.60
6.	**Electronics and Communication Engineering**			
	Communication Systems	208116010	SHAIK MAHAMMAD	9.56
	VLSI System	208216008	MADALA LAKSHMI RENUKA	9.96
7.	**Mechanical Engineering**			
	Thermal Engineering	211316013	HAROON AL ZAMAN	9.55
	Industrial Safety Engineering	211216026	ASHIMA SABU	9.88
8.	**Metallurgy and Materials Engineering**			
	Welding Engineering	212116024	ILHAR UL HASSAN M S	9.77
	Materials Science and Engineering	212216014	PANDE SNEHAL DILIP	9.43
	Industrial Metallurgy	212316006	SANGEETHA.G	9.89
9.	**Production Engineering**			
	Manufacturing Technology	214116004	KACHHADIYA ANIKET MANSUKHLAL	9.61
	Industrial Engineering and Management	214216015	PRABHU S	9.59
10.	**Physics**			
	Non-Destructive Testing (M.Tech.)	213116014	SREECHAND G S	9.83
	Physics (M.Sc.)	213216003	SWATHI S	9.51
11.	**Chemistry**			
	Chemistry	204116002	SHRAVAN.R.KOUSIK	9.81
12.	**Management Studies**			
	Master of Business Administration	215116021	TRYAMBAK CHATTERJEE	9.55
13.	**Computer Applications**			
	Master of Computer Applications	205115009	GUNJAN BHADANI	9.84
	Computer Science (M.Sc.)	216216003	TRUPTI BALIGA B	9.70

OTHER AWARDS (TCS)

Sl. No.	Name of the award	Roll No.	Name
1.	TCS best student award for the year 2017 - 18	112114059	V ARTHI
2.	TCS – Best Project Award for the year 2016 - 17	106113054	KIRAN M
		106113031	HAR SIMRAT SINGH
		106113033	HARSH KUMAR

OTHER AWARDS (INSTITUTED BY RECAL)

Sl. No.	Name of the award	Roll Number	Name
1.	Overall Outstanding Student of the year	102114036	M S SESHASAYEE
2.	Anand Chidambaram Memorial Award	102114036	M S SESHASAYEE
3.	Outstanding Sportsman	103114068	POLAKA SAI PRAKASH REDDY
4.	Outstanding Sport Woman	107114083	RISHMITHAA SIVAKANTHAN
5.	Best Batsman of the year	205116006	VIKESH MALIK
6.	Best Bowler of the year	212116001	DEEPAK DAGAR

5.6. ACHIEVEMENTS BY FACULTY

The faculty members were recognized for their contributions to NIT Tiruchirappalli in terms of Research publications, Citations, Sponsored Research Projects, Consultancy works, Patent Filed & Granted.

5.6.1. Top Three Contributors in terms of number of Research Publications (Department wise) in 2017[*] (Threshold: 3 Publications in Web of Science)

Sl. No.	Department	Faculty	No. of Publications in 2017
1.	Chemical Engineering	Dr. G. Arthanareeswaran	8
		Dr. M. Matheswaran	7
		Dr. K. M. Meera S. Begum	6
2.	Chemistry	Dr. S. Anandan	25
		Dr. R. Karvembu	15
		Dr. S. Velmathi	12
3.	Civil Engineering	Dr. R. Gandhimathi	5
		Dr. C. Natarajan	5
		Dr. S. T. Ramesh	4
4.	Computer Applications	Dr. P. J. A. Alphonse	3
5.	Computer Science and Engineering	Dr. N. Ramasubramanian	3

6.	Energy and Environment	Dr. M. Premalatha	6
7.	Electrical and Electronics Engineering	Dr. C. Nagamani	6
		Dr. Sishaj P. Simon	6
		Dr. N. Ammasai Gounden	5
8.	Electronics and Communication Engineering	Dr. S. Raghavan	10
		Dr. B. Venkataramani	4
		Dr. P. Muthuchidambaranathan	3
9.	Instrumentation and Control Engineering	Dr. M. Umapathy	8
		Dr. G. Uma	8
		Dr. N. Sivakumaran	3
10.	Mathematics	Dr. R. Ponalagusamy	8
11.	Mechanical Engineering	Dr. S. Suresh	10
		Dr. T. Ramesh	4
		Dr. K. Sankaranarayanasamy	4
		Dr. N. Siva Shanmugam	4
12.	Metallurgical and Materials Engineering	Dr. V. Muthupandi	10
		Dr. K. Sivaprasad	9
		Dr. S. Natarajan	8
13.	Physics	Dr. B. Karthikeyan	9
		Dr. A. Chandra Bose	6
		Dr. M. C. Santhosh Kumar	6
14.	Production Engineering	Dr. M. Duraiselvam	10
		Dr. S. Vinodh	9
		Dr. P. Sathiya	8

* Source: Web of Science

5.6.2. Top Contributors in terms of number of Research Citations (Department wise) in 2017* (Threshold: 15 Citations)

Sl. No.	Department	Faculty	No. of Citations in 2017
1.	Chemical Engineering	Dr. G. Arthanareeswaran	146
2.	Chemistry	Dr. S. Anandan	549
3.	Civil Engineering	Dr. R. Gandhimathi	206
4.	Computer Science and Engineering	Dr. S. Selvakumar	27
5.	Energy and Environment	Dr. M. Premalatha	55
6.	Electrical and Electronics Engineering	Dr. K. Sundareswaran	151
7.	Electronics and Communication Engineering	Dr. D. Sriram kumar	48
8.	Instrumentation and Control Engineering	Dr. M. Umapathy	57
9.	Mathematics	Dr. R. Ponalagusamy	61

10.	Mechanical Engineering	Dr. S. Suresh	390
11.	Metallurgical and Materials Engineering	Dr. K. Sivaprasad	159
12.	Physics	Dr. A. Chandra Bose	328
13.	Production Engineering	Dr. R. Narayanasamy	302

* Source: Web of Science

5.6.3. Top Three Sponsored Research Projects in terms of the amount sanctioned (Department Wise) during 2017-2018 (Threshold: 5 Lakhs)

Sl. No.	Department	Principal Investigator	Funding Agency	Amount (Lakhs)
1.	Architecture	Dr. T. Srinivas	DST-TMD	45.39
2.	Chemical Engineering	Dr. M. Perumalsamy	DBT	21.00
3.	Chemistry	Dr. S. Anandan Co-PI Dr. N. Basakaran	DST-NANO	79.46
		Dr. R. Karvembu	SERB-EMR	30.88
4.	Computer Applications	Dr. S. Nickolas	DST-ICPS	29.26
5.	Computer Science and Engineering	Dr. M. Brindha Co-PI Dr. M. Sridevi Dr. G. Kannabiran	DST	27.20
6.	Electrical and Electronics Engineering	Dr. Saravana Ilango Co-PI Dr. C. Nagamani Dr. K. Srinivasan Dr. M. Brindha	CMPDI	65.99
		Dr. P. Srinivasarao Nayak	SERB-EEQ	28.46
		Dr. S. Moorthy	DST - SEED	20.08
7.	Electronics and Communication Engineering	Dr. G. Thavasi Raja Co-PI Dr. D. Sriram Kumar	SERB-EMR	20.89
		Dr. P. Muthuchidambaranathan	DST-INT-ITALY	10.80
8.	Mechanical Engineering	Dr. S. Suresh	ISRO-RESPOND	31.03
		Dr. S. P. Sivapirakasam	SERB-EMR & IGCAR	17.07 10.96
9.	Metallurgical and Materials Engineering	Dr. N. Ramesh Babu	DRDO-ER&IPR DST-INT-RUS-RFBR	35.25 19.27
10.	Physics	Dr. N. V. Giridharan Co-PI / Dr. S. Manivannan	DRDO-ER&IPR	99.38
		Dr. R. Nagalakshmi	SERB-EMR	27.06

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

5.6.4. Top Three Consultancy Projects in terms of the amount generated (Department Wise) during 2017-2018* (Threshold: 2 Lakhs)

Sl. No.	Department	Faculty
1.	Civil Engineering	Prof. R. Jayashankar
		Dr. K. Muthukkumaran
		Dr. C. Natarajan
2.	Energy and Environment	Dr. M. Premalatha & Dr. N. Anantharaman
3.	Instrumentation and Control Engineering	Dr. N. Sivakumaran
		Dr. T. K. Radhakrishnan
		Dr. G. Saravana Ilango
4.	Management Studies	Dr. G. Kannabiran
5.	Mechanical Engineering	Dr. K. Pannir Selvam
6.	Metallurgical and Materials Engineering	Dr. N. Ramesh Babu

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

5.6.5. Contributors in terms of Patent Filing during 2017-2018

Sl. No.	Department	Faculty	No. of Patents Filed
1.	Chemical Engineering	Dr. G. Arthanareeswaran	1
		Dr. T. K. Radhakrishnan	1
2.	Computer Science and Engineering	Dr. N. Ramasubramanian	1
		Dr. R. Leela Velusamy	1
3.	Electrical and Electronics Engineering	Dr. G. Saravana Ilango Dr. C. Nagamani Dr. K. Srinivasan (IC)	1
		Dr. M. P. Selvan	1
		Dr. Sishaj P Simon	1
4.	Electronics and Communication Engineering	Dr. G. Lakshmi Narayanan	1
5.	Energy and Environment	Dr. A. K. Bakthavatsalam	1
6.	Instrumentation and Control Engineering	Dr. K. Dhanalakshmi	1
		Dr. K. Srinivasan	1
7.	Mechanical Engineering	Dr. S. P. Sivapirakasam	7
		Dr. R. Anand	2
		Dr. K. Sankaranarayanasamy	1
8.	Metallurgical and Materials Engineering	Dr. S. Muthukumaran	3
		Dr. S. Muthukumaran Dr. G. Arthanareeswaran (CH)	1
		Dr. S. Jerome	1
9.	Physics	Dr. B. Karthikeyan	1

5.6.6. A Few Accolades……

- **India Rankings 2018 by NIRF- National Institutional Ranking Framework**

  NIT Tiruchirappalli has been ranked first among all the NITs and 11th among all the technical institutes in the country by the NIRF 2018 ranking system, moving up 31st position from 34, pertaining to the overall ranking.

  Dr. G. Kannabiran, Chairman and Dr. R. Jeyapaul, Convener of the Strategic Planning Group Co-ordinated to achieve the recognition.

- **QS Asia University Rankings 2018: Ranked as 23rd in India & 228thin Asia**

  NIT Tiruchirappalli has been ranked 23rd among the institutions in India and 228th in Asia by QS Asia University Rankings 2018.

  Dr. G. Kannabiran, Chairman and Dr. R. Jeyapaul, Convener of the Strategic Planning Group Co-ordinated to achieve the recognition.

- **The Federation of Indian Chambers of Commerce and Industry (FICCI) – University of the Year 2018 (more than 30 years)**

  Dr. A. K. Bakthavatsalam coordinated to achieve this award.

- **Best Innovation Club: Festival of Innovation and Entrepreneurship (FINE) 2017, Rastrapathi Bhawan, New Delhi**

  Dr. A. K. Bakthavatsalam, Daksh Kanther, Student President, Anand Asokan and S. Rajaraman representing the technical clubs of NIT Tiruchirappalli co-ordinated to achieve this award.

- **QS Rankings Subject-wise: Engineering: Mechanical & Manufacturing (Departments of Mechanical & Production) featured in the 351-400 rank in the world**

  Faculty and Students of the Departments of Mechanical & Production Engineering contributed to achieve this recognition

- **Industry-Institute Interaction**

  The Institute signed an MOA with Siemens   and is setting up the 190 Crore Centre of Excellence in Manufacturing with 90% funding from Siemens.

  Dr. M. Duraiselvam coordinated this interaction.

6. FINANCIAL ASSISTANCE TO STUDENTS

6.1. FINANCIAL ASSISTANCE

More than 80% of the students avail various State / Merit Scholarships and Fellowships at this Institute. SC/ST students / scholars admitted in various programmes are given full Tuition Fee waiver. The most economically backward students (whose family income is less than 1 lakh per annum) shall get full remission of the fee. The other economically backward students (whose family income is between 1 lakh to 5 lakh per annum) shall get remission of 2/3rd of the fee.

6.1.1. Fellowship for M. S. /M. Tech. Students

The Students are admitted for M.S./M. Tech. Programme based on GATE score only. Hence all the students are being paid Rs.12400/- pm as fellowships as per AICTE/MHRD guidelines.

MS students are being paid fellowship for the maximum period of 3 years and M.Tech. students are being paid fellowship for the maximum period of 2 years. In addition, M.Tech. & MS students are eligible for Registration fee and TA maximum of Rs. 20,000/-per annum.

6.1.2. Fellowship for Ph.D. Scholars

Half Time Research Assistantship (HTRA) is given to full time scholars who are admitted to Ph. D. programmes in different departments. They are being paid Rs. 25000/- pm for first 2 years and Rs. 28000/- for 3rd, 4th and 5th year.

6.1.3. Scholarship Details

Central Government Scholarship:

Sl. No.	Name of Scholarship	Scholarship
1	Central Sector Scholarship scheme of top class education **for SC Students** (Implemented by Ministry of Social Justice and Empowerment, Govt. of India)	Rs. 59,820
2	Central Sector Scholarship scheme of top class education **for ST Students** (Implemented by Ministry of Tribal Affairs)	Rs. 59,820
3	National Scholarship for persons with disabilities (Ministry of Social Justice and empowerment, Government of India), Trust Fund	Rs. 40,600
4	Prime Minister's Scholarship Scheme	Rs. 2,000/- per month for Boys Rs. 2,250/- per month for Girls
5	Rajiv Gandhi National Fellowship	Rs. 8,000/- per month (Ph.D.)

6	UGC Scholarship	Rs. 25,000/- per month (Ph.D.)
7	Swami Dayananda Foundation Scholarship	Rs. 1,00,000/- per annum
8	National Talent Search Scheme, New Delhi	Rs. 2,000/- per month
9	National Handicapped Finance & Development Corporation, New Delhi	Decided by the Trust

State Government Scholarship:

Sl. No.	Name of Scholarship	Scholarship Amount
1	Tamil Nadu BC/MBC Scholarship	
2	Tamil Nadu SC/ST Scholarship	
3	Tamil Nadu CM Award – Top Holders Scholarship	
4	Tamil Nadu Loan Scholarship for Higher Education	
5	Merit Cum Means Minority Scholarship	
6	Post Matric Scholarship Andhra Pradesh & Telangana	Notified by State Government
7	Post Matric Scholarship Maharashtra	
8	Post Matric Scholarship Bihar	
9	Post Matric Scholarship Rajasthan	
10	Post Matric Scholarship Madhya Pradesh	
11	Post Matric Scholarship UP, Jharkhand, Kerala, Odisha, Assam & all other States	
12	E-Kalyan – Jharkhand & Uttarakhand	
13	Adi-Dravidar Scholarship	

Private / Corporate / Other Scholarship:

Sl. No.	Name of Scholarship	Scholarship Amount
1	Oil & Natural Gas Corporation Scholarship for SC/ST students	1st & 2nd year Rs. 12,000/- 3rd & 4th year Rs. 18,000/-
2	Oil & Natural Gas Corporation Scholarship	Rs. 60,000/- per annum
3	SAIL Scholarship for SC/ST students	Rs. 450/- per month for the full duration of the course.
4	Samsung Star Scholarship	Rs. 2 Lakhs per year

5	IOCL Scholarship	Rs. 3,000/- per month
6	ICCR Scholarship	Rs. 5,000/- per month
7	Jindal Scholarship	Rs. 2,000/- per month
8	Engineers India Limited (EIL) Scholarship to SC & ST	Rs. 3,000/- per month
9	Bharti Scholarship	Rs. 50,000/- per annum
10	OP Jindal Engineering and Management Scholarship	Rs. 1, 50, 000 for each Management Students Rs. 80, 000 for each Engineering Students

The details of Scholarships and Fellowships sanctioned to the students of different programmes during 2017-2018 are as follows:

Programme	No. of students receiving Scholarships from the State and Central Government	No. of students receiving Scholarships from Institution Funds	No. of students receiving Scholarships from the Private Bodies
B. Tech.	1545	127	49
B. Arch.	61	1	0
M. Tech. , M. Sc., and MBA	1040	9	56
MCA	152	49	2

6.2. FINANCIAL ASSISTANCE TO STUDENTS ADMITTED UNDER QIP

Every year the AICTE, New Delhi sponsors students under QIP Scheme for both M.Tech. Engg. and Ph.D. In order to support them, the AICTE releases funds to meet the Stipend and Contingency etc. The M. Tech. Students will be paid **Rs. 4000/-** per month as fellowship and **Rs. 4000/-**per annum as contingency. The Ph.D. students will be paid **Rs. 15,000/-** per month as fellowship and **Rs. 15000/-** per annum as contingency in accordance with AICTE Guidelines.

6.2.1. QIP (POLY) Scheme

Faculty from Polytechnic Institutes with UG qualification are eligible for M.Tech. and M.Tech. qualified are eligible for Ph.D. admission in NIT, Tiruchirappalli.

Sl. No.	Department	No. of Students in M.Tech.	No. of Scholars in Ph.D.
1	Computer Science and Engineering	-	1
2	Mechanical Engineering	-	1

6.2.2. QIP (Engg.) Scheme

Faculty from Engineering Colleges with UG qualification are eligible for M.Tech. and M.Tech. qualified are eligible for Ph.D. admission in NIT, Tiruchirappalli.

Sl. No.	Department	No. of Students in M.Tech.	No. of Scholars in Ph.D.
1	Chemical Engineering	-	1
2	Computer Science and Engineering	1	1
3	Instrumentation and Control Engineering	-	1
4	Electronics and Communication Engineering	-	1
5	Mechanical Engineering	1	
6	Electrical & Electronics Engineering	-	1
7	Production Engineering	-	1

7. DEPARTMENTS

7.1. ARCHITECTURE

The department of Architecture has received one citation and two special mentions in the National Association of Students of Architecture convention 2018. The department has started the first PG Program in Energy Efficient and Sustainable Buildings. The department has entered into an MoU with the Ministry of Housing and Urban Poverty Alleviation under the technology sub-mission of PMAY (Pardhan Mantri Awas Yojana). The students have won many national and international competitions in academic, sports and cultural events.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Sponsored Projects	No's:	1	Amount: (in lakhs)	45.39
2.	Consultancy work	No's:	1	Total Amount: (in lakhs)	0.53
3.	No. of Ph.D. produced / submitted	2 / 1			
4.	Industrial / Guest Lectures (conducted & arranged)	4			
5.	Internship Abroad (Student)	4			

Archcult 18 – Department Cultural Event - 9th to 11th March 2018

Archcult 18 – Department Cultural Event - 9th to 11th March 2018

7.2. CHEMICAL ENGINEERING

The department of Chemical Engineering is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. It offers a B.Tech. programme and M.Tech. programme in Plant Design and Process Control and Instrumentation. The department is backed by highly qualified and experienced faculty, most of whom have been involved in various industrial projects and consultancy services. The students, guided by the experienced faculty, have presented many papers in India and abroad and have won several National Level Design Competitions. The programme is supplemented by several state-of-the-art laboratories, which cover all areas of practical interest. Other than traditional laboratories like Fluid Mechanics, Heat and Mass transfer and Mechanical Operations, the students are exposed to specialised ones like Reaction Engineering, Process Control and Biotechnology. The process control lab, one of the best in the country, is equipped with the latest instruments for recording and analysis of data used for simulating plant conditions. The department has received Rs.97 lakh from DST under FIST 2017 after an interim of 14 years.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE:46		Scopus:2	
2.	Conferences	Scopus:8		Others:-	
3.	Sponsored Projects	No's:	3	Amount: (in lakhs)	198.1
4.	No. of Ph.D. produced / submitted	6			
5.	No. of Patents obtained / submitted	2			
6.	No. of books / books chapters published	7			
7.	Industrial / Guest Lectures (conducted & arranged)	14			
8.	Conference/Seminar/Symposia/Workshop organized by the Department	3			
9.	Fellowships (Faculty) / Internship in Abroad (Student)	1			
10.	Technical Symposium	1			

Alchemy 2018

GIAN conducted by Dr. T. Sivasankar

7.3. CHEMISTRY

The department of Chemistry trains 1000 B.Tech. students per year in branch specific Engineering Chemistry course. 58 M.Sc. students and 60 research scholars specializing in Chemistry have benefitted from the advanced and varied research facilities available in the department. The department has the state-of-the-art research labs (7 Nos), M.Sc. Labs (4 Nos.) and B.Tech. Labs (2 Nos.). The faculty members and the research scholars have published their research findings in high impact journals. In the current year, 6 research scholars have successfully defended their theses. A National level students' symposium titled, "HORIZON" has been conducted annually by the Post graduate students showcasing the academic, extracurricular and event managerial talents of the students; this is a valuable platform for the students from other institutions to interact with the subject and research experts.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 68			
2.	Conferences	Scopus:-		Others:15	
3.	Sponsored Projects	No's:	3	Amount: (in lakhs)	121.36
4.	Consultancy work	No's:	1	Total Amount: (in lakhs)	1.12
5.	No. of Ph.D. produced / submitted	6			
6.	No. of Patents obtained / submitted	1			
7.	No. of books / books chapters published	4			
8.	Workshop organized by the Department	1			
9.	Fellowships (Faculty) / Internship Abroad (Student)	2 / 5			

Andrea and Landi (CNR Italy) visit NIT during December 2017 and deliver lecture under India-Italy joint project.

HORIZON

7.4. CIVIL ENGINEERING

The Civil Engineering Department, one of the oldest Departments, was started in the same year the then Regional Engineering College Tiruchirappalli (REC) came into existence (1964). The department offers One UG and three PG regular programmes such as Transportation Engineering, Structural Engineering and Environmental Engineering. The department offers L&T sponsored M. Tech. in Construction Management & Technology under the Build India Scholarship programme of Larsen and Toubro Ltd, Chennai. 40 research scholars are pursuing their PhD and MS research studies. The faculty members are very active in teaching, research and consultancy activities. They have received sponsored research projects from various agencies such as DST-SERB & BHEL. The consultancy services have been rendered to various government agencies such as MEW, AAI, Indian Railways, CPWD, and state government organizations. Students have received internships at Universities abroad with the financial support of DAAD fellowship, MITACS fellowship, S-N Bose fellowship, NTU-India Connect Internship as well as from leading Indian Institutes such as the IIT's. IISc, and other prominent industries. Students have received prestigious fellowships such as the Indian Academy of Sciences Fellowship and the TU Delft Excellence Scholarships.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 19		Scopus: 5	
2.	Conferences	Scopus: 5		Others: 15	
3.	Consultancy work	No's:	10	Total Amount: (in lakhs)	92.91
4.	No. of Ph.D. produced	2			
5.	Conference/Seminar/Symposia/ Workshop organized by the Department	12			
6.	Internship Abroad (Student)	3			

6th Indian Young Geotechnical Engineering Conference

MOMENTS' 18

7.5. COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering, NIT, Tiruchirappalli was started in the year 1981. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programme (M.Tech. in Computer Science and Engineering) and also 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 more than 73 papers in highly impact journals and transactions like SCI, Scopus, IEEE, besides, it has filed patents. The faculty and students of the department have received awards and fellowships. Notable among them are the international internships from DAAD, MITACS as well as internships in acclaimed national institutes like IIT Madras, IIT Bombay, the Indian Academy of Sciences, and so on. The department association (CSEA) has conducted VORTEX, a technical symposium and has arranged workshops and guest lectures from Stanford University and Microsoft.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 11		Scopus: 8	
2.	Conferences	Scopus: 1		Others: 53	
3.	Sponsored Projects	No's:	2	Total Amount: (in lakhs)	93.19 lakhs
4.	No. of Ph.D. produced	2			
5.	No. of Patents submitted	2			
6.	No. of books / books chapters published	1			
7.	Industrial / Guest Lectures (conducted & arranged)	9			
8.	Conference/Seminar/Symposia/Workshop organized by the Department	15			
9.	Fellowships (Faculty) / Internship Abroad (Student)	4			

Integrity pledge on 30/10/2017

VORTEX' 18

7.6. COMPUTER APPLICATIONS

The Department of Computer Applications was accredited for five years (2017-2022) by the National Board of Accreditation (NBA). In the academic year (2017-2018), a new M.Tech. programme on Data Analytics was launched as an inter-disciplinary course by tying up with the Dept. of CSE and the Dept. of Management Studies. 9 Students (8 M.C.A. and 1 M.Sc.) received summer internships in companies, namely, Microsoft, JP Morgan, KLA - tencor, Sap Lab.   M.C.A. students have won prizes at the National Symposium conducted by NIT Calicut.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 7		Scopus 10	
2.	Conferences	Scopus: 9		Others:	
3.	Sponsored Projects	No's:	1	Amount: (in lakhs)	31
4.	No. of Ph.D. produced / submitted	2 / 1			
5.	No. of books / books chapters published	1 / 1			
6.	Guest Lectures (conducted & arranged)	10			
7.	Symposia/Workshop organized by the Department	2 / 2			

MCA – Version 2017 (19th and 20th August 2017) and M.Sc.(CS) – Optima 2017 (13th October 2017)

M.Tech. Data Analytics Inaugural Function – 31st July 2017

7.7. ELECTRICAL AND ELECTRONICS ENGINEERING

The department of Electrical and Electronics Engineering, NIT, Tiruchirappalli was started in the year 1964. It 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 papers in the high impact journals and transactions, besides, filing patents. The department has excelled with awards and fellowships received by the faculty and students. Four faculty members have been awarded Young Faculty Research Fellowships and the reputed POSOCO award has been received by NIT, Trichy EEE students every year right from its inception. The sponsored projects have been obtained for over 2 crores and several project proposals are in the pipeline pending approval. The faculty members and students have attended several reputed IEEE conferences for exhibiting their research progress. Our students have received prestigious internships from DAAD, MITACS etc.

Summary (2017-18)

Sl. No.	Details	Total Nos.		
1.	Journals	SCI & SCIE: 23		Scopus: 06
2.	Conferences	Scopus: 11		Others: 05
3.	Sponsored Projects	No's:	02	Amount: (in lakhs) 202.53
4.	No. of Ph.D. produced	05		
5.	No. of Patents obtained / submitted	01 / 01		
6.	No. of books	03		
7.	Guest Lectures (conducted & arranged)	07		
8.	Internship Abroad (Student)	4		

GIAN – Jan 2018

Currents - Feb 2018

7.8. ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. S. Raghavan from the department of Electronics and Communication Engineering has received the 'Idea Life Time Achievement Award, 2017' and Dr. S. Deivalakshmi has received the Best Presentation Award in ICSIP 2017 held at NTU at Singapore. The department has conducted 8 workshops. Dr. P. Muthu Chidambaranathan, and Dr. G. Thavasi Raja (PI) & Dr. D. Sriram Kumar (Co-PI) have received project grants worth Rs.10.8 lakhs, and Rs. 20.89 lakhs, respectively. 51 research papers in SCI/SCIE journals and 16 papers in Scopus have been published and 3 doctorates have been produced by the department.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 51		Scopus: 16	
2.	Conferences	Scopus: 34		Others:-	
3.	Sponsored Projects	No's:	3	Amount: (in lakhs)	31.69
4.	No. of Ph.D. produced / submitted	3			
5.	No. of Patents submitted	1			
6.	No. of books / books chapters published	2			
7.	Workshop organized by the Department	8			

GIAN Workshop 2018

Integrity Pledge

7.9. ENERGY AND ENVIRONMENT

The department of Energy and Environment has established NABL accredited calibration lab in the thermal, mechanical and electrical disciplines for providing calibration services of instruments. DEE in association with TANGEDCO (Tamil Nadu Generation and Distribution Corporation) has promoted "PEACE" (Promotion of Energy Audit and Conservation of Energy) scheme at various MSMEs (Micro, Small and Medium Enterprises) of seven districts. Several energy audit proposals from 20 MSMEs and BHEL have been received as consultancy work.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 8		Scopus: 2	
2.	Sponsored Projects	No's:	2	Amount: (in lakhs)	36.5
3.	Consultancy work	No's:	2	Total Amount: (in lakhs)	4.63
4.	No. of Ph.D. produced / submitted	1/2			
5.	No. of Patents obtained	1			
6.	Industrial / Guest Lectures (conducted & arranged)	2			
7.	Symposia/Workshop organized by the Department	2 / 2			
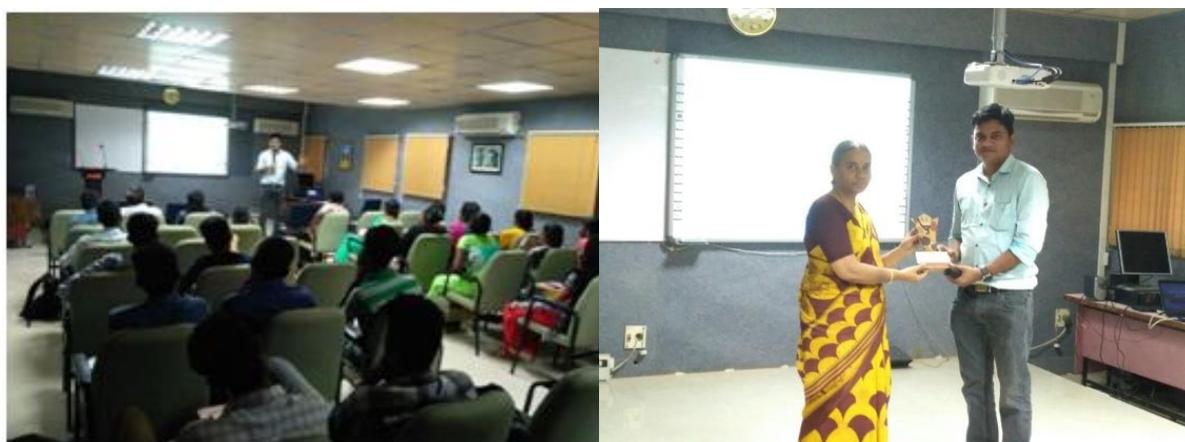
Short term course on "Waste management: Practices and Case studies", 28th August – 1st Sep2017

7.10. HUMANITIES AND SOCIAL SCIENCES

The department of Humanities and Social Sciences (formerly known as the Department of Humanities/English) has been in existence since the beginning of National Institute of Technology (formerly, the Regional Engineering College) and is known for its dynamic collaboration of faculty and students. The department is an independent interdisciplinary research centre and is a top-ranked department among NITs. It has two major divisions, namely, Economics and English. The department has constantly striven for a pragmatic curriculum that has a high degree of professional relevance that meets the existing demands of industry, business, public and private organizations, academic and human services. Accordingly, the department has been offering a cluster of wide-ranging courses to undergraduates and graduates. In 2004, the department commenced its full-fledged Ph.D. program and, since then, it has produced quality work in new areas of research. The department, recently, started offering Minor Courses in Economics as well as in Language and Literature recognizing the growing demand for humanities-based programmes.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	17			
2.	Conferences	17			
3.	Sponsored Projects	No's	2	Amount : (in lakhs)	52.2 lakhs
4.	No. of Ph.D. produced / submitted	5			
5.	No. of books / books chapters published	08			
6.	Industrial / Guest Lectures (conducted & arranged)	20			
7.	Conference/Seminar/Symposia/Workshop organized by the Department	5			
8.	Fellowships (Faculty) / Internship Abroad (Student)	1			

GIAN Workshop on "Current Global Economic Issues and Polices in Indian Context"

FDP on "Empowering Teachers in Life Skills Education"

7.11. INSTRUMENTATION AND CONTROL ENGINEERING

The Department of Instrumentation and Control Engineering was established in the year 1993 and the first batch of students graduated from the department in the year 1997. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programmes M.Tech. (Process Control and Instrumentation) and also research programmes (M.S. and Ph.D.) in various fields of Instrumentation and Control Engineering for both regular and part-time scholars.   M. Tech. (PCI) is an interdisciplinary programme. The curriculum is 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 have been involved in providing quality education at both UG and PG levels.

Achievements:

1.   Dr. N. Sivakumaran was awarded the Young Faculty Research Fellow,2018 by MeiTY

2.   Dr. K. Dhanalakshmi received the Bharat Vikas Award from the Institute of Self Reliance, Bhubaneswar.

3.   Venkatesh Venkatramanan (11011609) of (2016-2020 batch ICE) got the Globalink Research Internship Award from the University of Ottawa.

Summary (2017-18)

SI. No.	Details	Total Nos.			
1.	Research papers in Journals / International (SCI and SCI Expanded)	14			
2.	Conference (International)	23			
3.	Sponsored Projects	No.	02	Amount	189.56 Lakhs
4.	Consultancy work	No.	02	Amount	29 Lakhs
5.	No. of Ph. Ds awarded / Submitted	02			
6.	No. of Patents obtained / Applied	01			
7.	Fellowships / Internship / Abroad Visits (Students)	02			
8.	Industrial Lectures	06			
9.	Guest Lectures	04			

SENSORS 2018

Capacity Building of Women Managers

7.12. MANAGEMENT STUDIES

The Department of Management Studies has achieved a significant milestone this academic year through the students, scholars and faculty for their remarkable feats in academics, co-curricular and extracurricular activities. The students of this department have won several technical competitions conducted all over India. Dr. N. Thamaraiselvan and Dr. B. Senthil Arasu conducted various FDPs and workshops during the first week of April, 2017 and October, November and December, 2017. They catered to the needs of the emerging scholars and faculty so that they develop necessary skills for teaching the new age generation. Dr. G. Kannabiran offered Consultancy services to NLC India Ltd and helped to formulate Knowledge Management Policy and Strategy during April to July 2017. He organized a National Workshop on Technical Education in the National Context: Challenges and Strategies, for academic administrators / faculty of NITs, 5-7 October 2017. He also conducted an MDP on Strategic Management for 25 senior managers of NLC India Limited during October 11-12, 2017. He also organized many workshops on Inclusive Higher Education, Emerging Management Concepts and Practices for junior executives of TNPL and Faculty Start-ups and Entrepreneurship during 2017-18. Research scholars and faculty from different streams have published research papers in reputed peer-reviewed journals listed under SSCI, SCOPUS, SCI-E and ABDC. Dr. V. J. Sivakumar and Ajitha won best paper award in IIM Indore – North American Society for Marketing Education in India (NASMEI) Summer Marketing Conference, held during July, 2017. Dr. V.J Sivakumar and Amirtha also won the best paper award in the first Research Colloquium on Emerging trends in Engineering, Management & Technology held during 23rd -25th March, 2018. In this academic year, the department of management studies has notched several achievements in all the streams of management and it shall continue to contribute more to sustain the pride in Brand NIT, Trichy.

Summary (2017-18)

Sl. No.	Details	Total Nos. 21	
1.	Journals	SCI & SCIE: 5	Scopus:12
2.	Conferences	Scopus:	Others: 1
3.	No. of Ph.D. produced / submitted	3	
4.	No. of books / books chapters published	1	
5.	Industrial / Guest Lectures (conducted & arranged)	50	
6.	Workshop organized by the Department	11	

CONCLAVE

Student Achievements

7.13. MATHEMATICS

The faculty members of the Department of Mathematics have published in reputed journals and guided seven Ph.D. research scholars. The outgoing students have been placed in various academic and research organizations. Many of the Ph.D. research scholars have attended international and national conferences organized by various leading institutes and have presented their research work. The faculty have visited many universities and colleges and have delivered invited lectures in national conferences and workshops. Prof. R. Nallasamy retired from service on 31st Jan, 2018. Prof. N. Nallasamy, joined this institute in the year of 1983 and has specialized in applied statistics and bio-mathematics. He guided seven Ph.D. research scholars and has published many research articles in reputed journals. Prof. R. Nallasamy served for 35 years. The Department of Mathematics organized a farewell function to Prof. R. Nallasamy on 30th Jan, 2018.

Summary (2017-18)

Sl. No.	Details	Total Nos.	
1.	Journals	SCI & SCIE: 15	Scopus:5
2.	Conferences	Scopus: 2	Others: NIL
3.	No. of Ph.D. produced / submitted	7 / 1	

Farewell function of Prof. R. Nallasamy, Department of Mathematics on 30th Jan, 2018

7.14. MECHANICAL ENGINEERING

The Mechanical Engineering Association (MEA) under the department of Mechanical Engineering at NIT Trichy, organizes events, workshops, guest lectures, and industrial visits apart from Synergy, the National level annual technical symposium. This year MEA has established the Mechanical Innovation Centre (MIC), which is a platform for the highly motivated students with an emphasis on innovation. The symposium, conducted over a span of three days, is a celebration of the puzzle that mechanical engineering and every innovation pertains to. The symposium engages brilliant minds with an array of workshops, events and guest lectures, playing host to a large-scale participation from numerous colleges of the country. 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 Sports Fete and NITTFEST (Inter-departmental cultural fest). In this academic year, the department secured second position in Sport Fete.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE:33		Scopus:13	
2.	Conferences	Scopus: -		Others:05	
3.	Sponsored Projects	No's:	07	Amount: (in lakhs)	224.72
4.	No. of Ph.D. produced	3			
5.	No. of Patents obtained / submitted	4 / 10			
6.	No. of books chapters published	4			
7.	Guest Lectures (conducted & arranged)	10			
8.	Workshop organized by the Department	4			
9.	Internship Abroad (Student)	4			

Advanced manufacturing workshop conducted in association with Tata Consultancy Services Ltd. (20th January 2018)

Interactive intern talk to prospective students by final year abroad interns (16th January 2018)

7.15. METALLURGICAL AND MATERIALS ENGINEERING

The First International Conference on "Emerging Trends on Materials and Manufacturing Engineering" was conducted to commemorate the golden jubilee year of the Department, during 10-12 March, 2017 with Prof. V. Muthupandi as Chairman and Dr. K. Sivaprasad as Convener. Proceedings of this conference have been brought out in two special issues; one in SCIE journal (Transactions of the Indian Institute of Metals, Springer) and the other one in Scopus indexed journal (Materials Today: Proceedings, Elsevier). Prof. T. Srinivasa Rao has been conferred with Dr. G. V. Memorial Lecture Award 2017 by IIM Tiruchirappalli Chapter. Dr K Sivaprasad has been awarded the best technical paper that was presented at the ICKEM2018 held in Osaka, Japan. Metallographic work by the scholars Mr. Ramkumar and Mr. Rajesh Kannan bagged the Best Metallography awards for the last two consecutive years, both in light optical microscopy and electron microscopy conducted by the Indian Institute of Metals during NMD-ATM. Dr. S. Muthukumaran has filed three patents and Dr. S. Jerome has filed one patent. Prof. B. Ravisankar has published two engineering reference books titled "Periodic Table of Elements (3 volumes)" and "Non-Ferrous Alloys". Dr. N Ramesh Babu has been granted an Indo-Russia joint research fund and also funding from DST-SERB and DRDO. Overall, the department bagged 4 funded projects last year. More than 45 research papers have been published in international refereed SCI/SCIE journals by this department and 10 articles in scopus indexed journals. Five PhDs were awarded to the scholars of the Department.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 37		Scopus: 09	
2.	Conferences	Scopus: 01		Others:	
3.	Sponsored Projects	No's:	05	Amount: (in lakhs)	155.94
4.	No. of Ph.D. produced	05			
5.	No. of books	02			
6.	Guest Lectures (conducted & arranged)	08			
7.	Conferences organized by the Department	01			

As a part of Golden Jubilee celebrations of MME, retired faculty members of this department were felicitated during IMME17

7.16. PHYSICS

The Department of Physics is one of the best departments in NIT. It caters to all the I year B.Tech. students admitted in NIT-Trichy. The Department of Physics (DoPh) has two PG programmes viz, M.Sc. (Phys) and M.Tech. (NDT). The department has 13 faculty members with a strong academic and research background. The faculty members have published 60 research articles indexed in SCI and SCIE Journals, 25 conferences indexed in Scopus in the academic year 2017-18. Six Ph.Ds have been produced till date (31-3-2018). Four projects worth of Rs.330.34 lakhs have been sanctioned for the department from various funding agencies. Dr. S. Manivannan has received the Tamil Nadu Young Scientist Award for the Year 2016 in the discipline of Physical Science (Awarded Date 23/02/2018) at Science City, Chennai.

Summary (2017-18)

Sl. No.	Details	Total Nos.			
1.	Journals	SCI & SCIE: 60		Scopus: 11	
2.	Conferences	Scopus: 25		Others:	
3.	Sponsored Projects	No's:	04	Amount: (in lakhs)	330.34
4.	No. of Ph.D. produced	6			
5.	No. of Patents obtained / submitted	1 / 2			
6.	Internship Abroad (Student)	1			

Dr. S. Manivannan receiving Tamil Nadu Young Scientist Award for the Year 2016 in the Discipline of Physical Science (Awarded Date 23/02/2018) at Science City, Chennai.

InPhy NITT

7.17. PRODUCTION ENGINEERING

The vision of the Department of Production Engineering is to establish a world class academy for Manufacturing and Industrial engineering. The department offers engineering consultancy in the areas of design, manufacturing and resource management. The department maintains a close liaison with a large number of universities and industries within the country and abroad through faculty research and collaborative projects. 5 sponsored project works worth Rs.93.41 lakhs and consultancy work worth Rs.13.88 lakhs have been granted during this academic year. Equipment worth Rs.51.28 lakhs have been purchased. The national level technical symposium 'PRODIGY 2018' attracted thousands of students. Several workshops, events and panel discussions were organized that were presided over by eminent experts. Lectures were organized with Industry experts on frontier topics in Manufacturing and Industrial Engineering domains to provide practical insights to students. The department has shaped several talented candidates who have been recruited by reputed core companies like Alstom, TATA motors, Vedanta, Renault, Nissan and L&T this academic year.

Summary (2017-18)

Sl. No.	Details	Total Nos.	
1.	Journals	SCI & SCIE:40	Scopus:11
2.	Conferences	Scopus: 1	Others:3
3.	No. of Ph.D. produced / submitted	9/1	
4.	No. of Patents obtained / submitted	2	
5.	No. of books / books chapters published	3	
6.	Industrial / Guest Lectures (conducted & arranged)	2	
7.	Conference/Seminar/Symposia/Workshop organized by the Department	2	

Inauguration of International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Sy stems (CDAMIES-2018) Jan18-20

Felicitation to Senior Professors
Dr. A. Noorul Haq, Dr. R. Narayanasamy,
Dr. T. Selvaraj on Jan 18, 2018

8. SPONSORED RESEARCH PROJECTS, MOUs AND PATENTS

8.1. Sponsored Research Projects (April 2017 – March 2018) / on going

Sl. No.	Name of the Faculty	Funding Agency	Title of the Project	Period	Amount in Rupees
Chemical Engineering					
1.	Dr. Samsudeen N	IUSSTF	Fellowship under Bioenergy-Awards for Cutting Edge Research (B-ACER) "Biohydrogen Production from Distillery wastewater using Microbial Electrolysis Cell"	6 Months at University of Louisville, USA	1117000
Chemistry					
2.	Ms. Dhanaselvi R [Ph.D. Supervisor : Dr. Velmathi S]	DST-INSPIRE	DST - Inspire Fellowship	5 Years	410000
3.	Ms. Srividya [Ph.D. Supervisor : Dr. Karvembu R]	DST - INSPIRE	DST - Inspire Fellowship	5 Years	2029600
4.	Dr. Karvembu R	SERB	Design of Guanidine Based Chiral Ligands and their Ruthenium-arene complexes for asymmetric catalysis	3 Years	3088875
5.	Mr. S. Ramachandran Ph.D. Supervicor : Dr. S. Anandan	CSIR	CSIR-FELLOW	5 Years	320000
6.	Dr. S. Anandan Co-PI Dr. N. Basakaran	DST-NANO	Metaloxides anchored graphene nanosheets for fabrication of energy storage devices [Joint Project with CECRI, Karaikudi]	3 Years	7946400
7.	Ms. Haritha R Research Guide : Dr. R. Karembu / Associate Professor	DST - INSPIRE	DST - Inspire Fellowship	5 Years	1708000
8.	Dr. Arumugam Vignesh	SERB	National Post-Doctoral	2 Years	1920000

9.	Dr. Anandan S	DST-TMD-SERI	Indigenous Development of Dye Sensitized Solar Cells modules with different electrolytes	3 Years	11023400
Computer Applications					
10.	Dr. Selvan C Mentor : Dr. S.R. Balasundaram Assoc. professor	UGC	UGC - Post Doctoral Fellowship under UGC PDF SC/ST Scheme	5 Years	2855200
11.	The Head of the Department	DST-FIST	To Strengthen the post graduate Teaching and Research facilities in the Department	5 Years	9300000
Computer Science and Engineering					
12.	Dr. Kunwar Singh	NBHM	National Workshop on Cryptology 2017 in association with Cryptology Research Society of India (CRSI), Department of Science & Technology, National Board of Higher Mathematics	3 days workshop	180000
13.	Dr.M.Brindha	DST	Design and development of ICT-enabled cloud based mobile application for the self-promotion of products developed by self-help groups	2 years	2720588
Electrical and Electronics Engineering					
14.	Dr. Moorthy S	DST - SEED	Development of wireless sensor network for online monitoring and control in smart	3 Years	2008998

			micro-grid applications		
15.	Dr. P. Srinivasarao Nayak	SERB-EEQ	Implementation and Analysis of Coupled Coils at Different Structures with Misalignments for WPT EV Battery Charging	3 Years	2846000
16.	Dr. Nagamani C., Professor Dr. Saravana Ilango, Associate Professor Dr. Srinivasan K K	CMPDI	Electronification of Ground Water Control and Conveyor Systems in Maines	18 Months	6599000
Electronics and Communication Engineering					
17.	Dr. Lakshmi Narayanan G	UGC	Full Duplex and Cognitive Radio Architecture for spectrally Efficient Communication	3 Years	4672920
18.	Dr. Muthuchidambaranathan P	DST-INT-ITALY	Networked Airborne Base Stations for Disaster Management	3 Years	1080000
19.	Dr. Thavasi Raja G	SERB	Highly-Compact Very Large Mode-Area Hybrid Multi-Trench Optical Fiber for High-Power Industrial Lasing Applications	3 Years	2089120
Mechanical Engineering					
20.	Dr. Suresh S	ISRO-RESPOND	Study on heat transfer characteristics of low melt alloy encapsulated PCM for Satellite avionics thermal management	3 Years	3103000
21.	Dr. Sivapiraksam S P	IGCAR	Measurement of Particulate matters (PM 2.5, PM 1, PM 0.5, PM 0.25) of the SMAW fumes for the consumables used in the	1 Year	1096180

			fabrication of nuclear components		
22.	Dr .S.P. Sivapirakasam	SERB-EMR	Development and Thermal Analysis of Non-Azide Gas Generating Compositions for Automotive Airbag Systems	2 Years	1706550
Metallurgical and Materials Engineering					
23.	Dr. Ramesh Babu N	DST-INT-RUS-RFBR	Corrosion and wear resistant ceramic composite coatings on reactor grade zircaloys by plasma electrolytic oxidation for nuclear Fuel cladding applications	2 Years	1927200
24.	Dr. Ramesh Babu N	DRDO	Fabrication of Corrosion and wear resistant ceramic composite coating on A1 alloyes by Plasma Electrolytic Oxidation for defence application	3 Years	3525700
Mathematics					
25.	Shri Jeevaraj S [Ph.D. Supervisor : Dr. Lakshmana Gomathinayagam V]	CSIR	CSIR-FELLOW	2 Years	712000
Physics					
26.	Dr. Boomadevi Shanmugam [Mentor : Dr. Sasti Kumar D]	DST-KIRAN DIVISION	Growth and characterisation of high quality orgnic dat-2, hmq-tms and ohq-t crystals for efficient broad bank terahertz generation	3 Years	2633500
27.	Dr. Giridharan N V	DRDO-ER&IPR	Development of PZN-PT Single	3 Years	9938200

			Crystal Technology for Naval Transducer Applications		
28.	Shri Manikandan K [Research Mentor: Dr. Sankaranarayan Associate Professor]	SERB	National Post-Doctoral Fellowship under SERB NPDF Scheme	2 Years	1440000
29.	Dr. Nagalakshmi R	SERB	Synthesis of Organic Nano Fibres for Nonlinear Optical Applications	3 Years	2706192
30.	Dr. Muthukumar K Mentor : Dr. Ashok M Assoc. Professor	SERB	National Post-Doctoral Fellowship under SERB NPDF Scheme	2 Years	1920000
31.	Ms. Kirithiga R Ph.D. Supervisor Dr. J. Hemalatha Assoc. Professor	UGC	Swami Vivekananda Single Girl Child Fellowship - Ph.D.	5 Years	1008000
32.	Ms. Seethal Pappachan Ph.D. Supervisor : Dr. Giridharan N V	CSIR	CSIR-FELLOW	5 Years	1708000
33.	Dr. Manju Bhargavi G Mentor : Dr. Sastikumar D Professor	SERB	National Post-Doctoral Fellowship under SERB NPDF Scheme	2 Years	1920000
34.	Ms.Biny R Wiston Research Guide : Dr. Ashok M/ Associate Professor	DST - INSPIRE	DST - Inspire Fellowship	5 Years	1708000
Production Engineering					
35.	Dr. Ganesa Balamurugan K Mentor : Dr. Duraiselvam M Assoc. Professor	SERB	National Post-Doctoral Fellowship under SERB NPDF Scheme	2 Years	1920000
				Total	**102887623**

8.2. MoUs (Memorandum of Understandings) during 2017-2018

Sl. No.	Title of MOU	Timeline (Date Of Effect)	Duration	End Date	MOU	Segregation
1.	The University of Michigan, (USA)	12.04.2017	5 years from the Date of MoU	11.04.2022	MoU	International
2.	Ministry of Human Resource Development	07.07.2017	Nil	Nil	MoU	National

	(MHRD), "TEQIP - III" India					
3.	Dr. B. R. Ambedkar Institute of Technology, Port Blair	21.07.2017	3 years from the Date of agreement	20.07.2020	Twinning Agreement	National
4.	National Research Centre For Banana (ICAR), Tiruchirappalli	26.07.2017	5 years from the Date of MoU	25.07.2022	MoA	National
5.	BHEL, Hyderabad	08.08.2017	5 years from the Date of MoU	07.08.2022	MoU	National
6.	Siemens Industry Software (India) Pvt Ltd, (SISW), India & AMAR Tech	18.08.2017	Mutual Agreement		MoA	National
7.	Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam	6.10.2017	1 year from the Date of MoU	05.10.2018	MoU	National
8.	Ufa State Aviation Technical University (Russian Federation), Russia	15.11.2017	5 years from the Date of Co-opp Agreement	14.11.2022	Cooperation Agreement	International
9.	TryCAE Industrial Engineering pvt.Ltd (TryCAE), Trichy	17.01.2018	1 year	30.04.2019	MoU	National
10.	Defence Research & Development Laboratory, Hyderabad (The President of India)	10.01.2018	18 months	09.06.2019	Contract	National

8.3. Patents

Provisional Patents filed/ submitted by NITT Faculty though IPR Cell

Sl. No.	Name of the Faculty	Title of the patent	Patent Filing date & Application No.
1.	Dr. K. Dhanalakshmi Instrumentation and Control Engineering	Smart bi-lateral pedal module	201741022616 dated 28.06.2017
2.	Dr. N. Ramasubramanian Computer Science and Engineering	Innovative solution for Voice Enabled Directional Guidance and Internal	201741039125 dated 02-11-2017

		Process Simulation for Driver less Vehicle	
3.	Dr. G. Arthanareeswaran Chemical Engineering	submitted an invention entitled " Advanced biological materials for modification of polyethersulfone membrane	201741038695 dated 31.10.2017
4.	Dr. G. Saravana ilango Dr. C. Nagamani Electrical and Electronics Engineering Dr. K. Srinivasan Instrumentation and Control Engineering	A System and Method for Extracting Maximum Power in Thermoelectric Generators	201741030634 dated 30.8.2017.
5.	Dr. S. Muthukkumaran Metallurgical and Materials Engineering Dr. G. Arthanareeswaran Chemical Engineering	Membrane for drinking water harvesting from atmospheric air	201741039055 DATED 02-11-2017
6.	Dr. S. Jerome Metallurgical and Materials Engineering	Direct Particle Injection Friction Stir Processing Tool	201741039063 DATED 02-11-2017
7.	Dr. R. Leela Velusamy Computer Science and Engineering	River formation dynamics based data collection in vehicle monitoring using internet of things	201741038389 DATED 30-10-2017
8.	Dr. R. Anand Mechanical Engineering	Preparation of Biocatalyst from Aegle Marmelos Correa Fruit Shell for Biodiesel Production	201741037531 DATED 24-10-2017
9.	Dr. A. K. Bakthavatsalam Training and Placement	PCM Based window for improving IAQ in split AC built space	201741039073 DATED 02-11-2017
10.	Dr. Sishaj P Simon Electrical and Electronics Engineering	A system for efficient energy extraction from an existing solar photovoltaic system	201741039045 DATED 02-11-2017
11.	Dr. Lakshminarayanan Electronics and Communication Engineering	Low Multiplier Complexity in -process higher radix real-valued FFT Architecture with Modified processing Elements	201741038399 DATED 30-10-2017
12.	Dr. T. K. Radhakrishn Chemical Engineering	Preparation of low aspect ratio crystals of ibuprofen from aqueous ethyl lactate as a green alternative solvent to petrochemical based solvents	201741033366 DATED 20-09-2017
13.	Dr. B. Karthikeyan, Physics	Reduced Graphene Oxide Polyvinyl Alcohol nanaocomposite free standing film as an optical power limiter	201741038382 of 30.10.2017
14.	Dr. S. Muthukumaran	Self-Sealing type friction brazing / soldering of tube to	201741038449 DATED

	Metallurgical and Materials Engineering	tube plate using an external tool	30-10-2017
15.	Dr. S. P. Sivaprakasam, Mechanical Engineering	Nano flux composition for low fume SMAW electrodes	201741039032 of 02.11.2017
16.	Dr. S. P. Sivaprakasam, Mechanical Engineering	Airbag gas generats comprising layered copper hydroxy nitrate nanosheets	201741038676 of 31.10.2017
17.	Dr. M. P. Selvan, Electrical and Electronics Engineering	Smart Load Node for Non-Smart Load	201741039083 DATED 02-11-2017
18.	Dr. K. Srinivasan Instrumentation and Control Engineering	Drowning Detection Device	201741038209 DATED 27-10-2017
19.	Dr. R. Anand Mechanical Engineering	Synthesis of Carbon Supported Calcium Methoxide Green Catalyst from Senna Siamea Pod For Biodiesel Production	201741041007 dated 16-11-2017
20.	Dr. S. P. Sivaprakasam, Asso. Mechanical Engineering	Variable Volume Mini Tank Testing Equipment and Method of an Airbag Chemical Performance Test	201741041005 dated 16-11-2017
21.	Dr. S. Muthukumaran Metallurgical and Materials Engineering	Friction Welding of Tube To Tube Using a Guide Tool	201741041008 dated 16-11-2017
22.	Dr. S. P. Sivaprakasam, Mechanical Engineering	Electrical Conductivity Enhancement of Low Conductivity Fuels By Nano Additives	201741041006 Dated 16-11-2017
23.	Dr. S. Muthukumaran Metallurgical and Materials Engineering	Double Shoulder Friction Stir Processing Tool for Coating Applications	201741041009 dated 16-11-2017
24.	Dr. S. P. Sivaprakasam, Asso. Mechanical Engineering	Electrical Conductivity Enhancement of Low Conductivity Hydrocarbon Fuels By Bio-Additives	201741042164 dated 22-11-2017
25.	Dr. S. P. Sivaprakasam, Asso. Mechanical Engineering	Novel Reaction Chamber for Collection of Decomposition Residues of Pyrotechnic Compositions and Method Thereof	201741042165 dated 22-11-2017
26.	Dr. S. P. Sivaprakasam, Asso. Mechanical Engineering	Industrial Helmet for Welding Fume Expulsion and Method Thereof	201741042166 dated 22-11-2017
27.	Dr. B. Karthikeyan Physics	Method for removal of Nile blue dye from waste water	201841002213 dated January 19, 2018

9. CENTRAL FACILITIES

9.1. COMPUTER SUPPORT GROUP (CSG)

The CSG (OCTAGON - Computer Center) was established in the year 1985 with a small number of hand-picked group of engineers. The objective this group was to promote the use of computers for solving engineering problems and to achieve automation in office procedures in the campus. The concept of the CSG was novel and unique in the erstwhile REC Trichy at a time when there was not much use of computers and automation in our country. The engineers in this group developed assembled computer systems, developed software in-house, conducted lab classes, and accomplished many more. Initially, the CSG was started with just five computer systems. Then a Computer Center with Remote Job Entry System to the ICL 2905 mainframe system at BHEL EDP Center (interconnected by telephone cables) was set up to serve the computing needs of faculty, students and staff. Today, it has grown to a campus wide High Speed Local Area Network system with over 1600 systems interconnected by Fiber Optic Cable.

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 computer support group connects NIT-Trichy to the Internet via two Internet Service Providers (ISP) with 150 Mbps leased line from Software Technology Park of India (STPi) and 1Gbps shared connectivity by National Informatics Centre (NIC) using Bharat Sanchar Nigam Ltd (BSNL) and Railnet as a part of National Knowledge Network (NKN) and National Mission on Education through Information & Communication Technology (NME-ICT).

The CSG has been providing infrastructure for administering GMAT (Graduate Management Aptitude Test), NSCA (National Strength and Conditioning Association), UKCAT (UK Clinical Aptitude Test), Microsoft Certification since March 2016.

The CSG has signed a Microsoft Academic Volume Licensing program known as Microsoft Open Value Subscription Education Solutions, Microsoft Imagine Premium (formerly known as Microsoft Dreamspark Premium). MATLAB 2016 Std Configuration Total Academic License (TAH) 3 Years term license has been purchased by CSG. CSG has Ansys 17, includes CFX and ICEM CFD - 50 user advance license and 5 user research license.

The salient features of campus wide Backbone Network are as follows:

- 10 Gbps Fiber Optic Backbone & Gigabit Routing Switch
- 1/10 Gbps Manageable Switches at Departments capable of layer3 Switching
- UTP CAT 6 Structured Cabling
- 220 switches located in 34 different buildings and 27 hostels.

- 1 Gbps connectivity to each client PC
- Layer 3 intelligence high performance and throughput capacity
- Fault tolerant Supervisory module (MSM) in each core switch
- Non-blocking forwarding
- Minimized latency
- Support for QoS, bandwidth tracking, and traffic prioritization
- Voice and wireless connectivity
- Ethernet Automatic Protection Switching (EAPS) resiliency protocol
- Monitoring the Campus bandwidth using MRTG
- Servers are accessible only via UTM
- Support for Virtual Local Area Network (VLAN)
- Improved security, scalability, and manageability.

Hardware (Rack Servers / Networking Peripherals)

Internet Laboratory

9.2. CENTRAL LIBRARY

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

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

STATISTICAL DATA OF THE LIBRARY:

1.	No. of Books	1,27,471
2.	Print Journals subscribed	164
3.	Back Volumes of Journals	17690
4.	Reports	8454
5.	Indian Standards	17454
6.	Audio Cassettes	39
7.	Video Cassettes	1504
8.	CD-ROMs	3000+
9.	Thesis, Projects	650
10.	Newspapers	15

E-RESOURCES:

1.	No. of Databases subscribed thro' INDEST CONSORTIUM	10
2.	No. of e-journals subscribed	7000+
3.	No. of e-books (Springer e-books collection)	700+

9.3. SIEMENS CENTRE OF EXCELLENCE IN MANUFACTURING

National Institute of Technology, Tiruchirappalli signed Memorandum of Agreement with Siemens Industry Software (India) Private Limited (SISW) and AMAR Tech (Advanced Manufacturing, Automation & Robotics Technology) on 18th August 2017 to set-up Centre of Excellence in Manufacturing at NIT Trichy at an estimated cost of 193 Crores, in which 90% of the fund will be received as a grant from Siemens Global Fund for Technical Education and 10% will be funded by NIT-Trichy. The MOA envisaged that Siemens will set-up twelve state of the art labs at NIT Trichy and run the centre for three years before handing it over to NIT Trichy. The labs planned to be set-up are: Product Design & Validation lab, Test & Optimisation lab, Advanced Manufacturing lab, Mechatronics lab, Automation lab, CNC Machines lab, CNC Controller lab, Robotic lab, Automation lab, Process Instrumentation & Control lab, Electrical & Energy saving lab and IoT lab.

This unique CoE could facilitate a multi-disciplinary learning environment across Technology, Engineering, Science and Management. It is designed to meet the demands of the industries' ever changing processes and help build skills around collaboration and innovation through skilling, R&D and consultancy services. The various learning tracks designed by Siemens and to be certified jointly by Siemens and NIT-T can be practiced out by engineering, polytechnic and ITI students of any Institute for knowledge enrichment and enhanced opportunity for placement. It is also planned to offer consultancy services to Industries in and around Trichy in automation, product development, process optimization, shop floor design, etc. and skill enhancement of existing employees on latest technology.

9.4. SCIENT AND IOT LABS – ALUMNI INSPIRED LEARNING

SCIEnT and IoT lab are multi-disciplinary innovation centre, providing opportunities to students to delve into the ever expanding world of technology, and discover, hands on, the incredible scope for innovation that the world offers today. They were set up on the campus by the alumni batch of 1990 and 1981 respectively.

Students are offered a multitude of tools, machines, consumables and services, and a space in which to work, learn and grow that in turn opens up scope for a variety of inter-disciplinary projects and experimentation. With tools catering to several avenues of research, the labs are open to students pursuing Bachelors', Masters', or PhD from any department. Students are encouraged to pursue learning and innovation of all kinds, ranging from hobby projects to marketable product prototypes. 24/7 accessibility to facilities ensures that they can experiment and test ideas without a fear of failure, encouraging them to innovate, prototype, and improve their ideas.

Those among the students using the labs are members of various technical clubs that are thriving on campus. For instance, the Aeromodelling club, 3rd Dimension, has created three projects within SCIEnT – a mid-flight reconfiguration drone, a thrust and rpm measuring device, and a 3-axis test rig for multi rotors. Also, the racing team of the campus, PSI, have begun to use the lab to construct an All-Terrain Vehicle, that participates each year in the BAJA festival.

SCIEnT has conducted tool and machine training programs with instructors from the industry, to give students the chance to learn about their usage from a real-world perspective. This, along with first aid training for members, is part of the activities every year.

National Institute of Technology, Tiruchirappalli – 620 015

9.5. IPR CELL ACTIVITIES

National Institute of Technology, Tiruchirappalli is dedicated to research, teaching, and extension of knowledge to the public. One of the missions of the NIT Trichy is to develop the human intellectual capability to its fullest potential. Inherent in this responsibility is the need to encourage the production of creative and scholarly works and the development of new and useful materials, devices, processes, and other intellectual property with commercial value. These activities contribute to the professional development of the individuals involved, enhance the reputation of NIT Trichy, provide additional educational opportunities to students, and promote public welfare. In addition to new machines, compositions of matter, and written materials which traditionally have been the subject of patents and copyrights, computer software, video courses, etc. are now normal outcomes of NIT Trichy activities. The pace of modern science, resulting in new and useful inventions, initiated a need for a central policy in determining the course of the creation, protection, and commercialization of intellectual property at NIT Trichy. This has resulted in the establishment of the Intellectual Property Right (IPR) Cell and the Intellectual Property Policy to encourage creation and protection of intellectual property in the Institute.

Twenty-eight patent applications have been filed though IPR Cell in the academic year 2017-18 by the faculty and research scholars of various Departments. A global elective entitled MT048 Intellectual Property Rights has been introduced to Under Graduate students.

9.6. COUNSELING AND GUIDANCE CELL

Institute has provision for improving the academic performance of weaker students through Equity Action Plan. It focuses on student-centered strategies to improve their performance through the appointment of active mentors/counselors in guiding the student, providing the student appropriate assistance, and so on. NITT has taken the lead initiative in establishing 'Counseling and Guidance Cell' at the Central Library to provide Enrichment and Enablement Services through personal attention to the students and also extending the facility to faculty and staff of the institute. Institute had initiated the Cell and for the past four years it is under the maintenance of the Office of the Dean (Students' Welfare). The Counselling and Guidance Cell also assists students, faculty and staff in learning difficulties, enhancing harmonious relationship, behavioral development and adjustment problems in addition to improving their overall personality and to help them in meeting challenges in their life. A professional counsellor is available on regular basis daily for eight hours a day at the Central Library building (II Floor) and the students are extensively making use of the facility. If anyone is diagnosed for psychiatric treatment, then the person is referred to a Psychiatrist for medical treatment avaiable at our campus hospital

9.7. HOSPITAL

The 10 bedded Institute Hospital with Casualty, OP & IP facilities, 24 hours' pharmacy and a clinical laboratory is functioning in the well-established new building from 19.02.2007. The Hospital is working round the clock on all days with 08 Medical Officers and facilities like O2 cylinder, Nebulizer, Suction, ECG, Ultrasonography and Autoclave. There are male and female wards, Isolation ward, Minor OT, Physiotherapy & Dental Clinics. The Emergency services are available 24/7, 365 days a year with fully equipped ambulance. Consultation of major specializations is also made available.

Medical Officers

Dr. S. Moorthy, MBBS

Dr. R. Priyanka, MBBS

Temporary Medical Officers (2017-18)

Dr. Narmada Devi M.B.B.S., P.Gd.,(Diab)

Dr. M. Kamaluddin M.B.B.S., D.D.,

Dr. U. Mathivathani M.B.B.S

Dr. K. Chandrika M.B.B.S.

Dr. K. Sathish MD.

Dr. P. Ramesh M.B.B.S.,

Dr. V. Premlatha MBBS

Visiting Consultants (2017-18)

1. Dr.G.Ganapathy MD., Physician
2. Dr.K.Prakash MD.,
3. Dr.N.S. Prasad MD.,Physician
4. Dr.S.Sakthivel MD.,DM.,Endocrinologist
5. Dr.S.Banumathi MD., Obstetrician & Gynaecologist
6. Dr.P.R.Ramasamy MS.,Orthopaedician
7. Dr.A.Agneeswaran MS., Paediatrician
8. Dr.Kader Sahib MD., Cardiologist
9. Dr.N.Karthikeyan MS, Urologist
10. Dr.Arun Geethayan MS.,Orthopaedician
11. Dr.S.Adithya   MD   Radiologist
12. Dr.A.Balamurugan B.H.M.S., Homeopathy
13. Dr.A.V.Sarnaya B.D.S., Dentist

Summary (2017-18)

1. **Vitamin A solution** was given to mothers with infants below 6 months of age and children 5yrs and below. This event was organized by the NITT Hospital Team and GH staff of Thuvakudi, Trichy on 24.03.2017.

2. PULSE POLIO IMMUNISATION:_**Oral polio Drops** Second dose was given to children of 0-5 yeas on 30.04.2017 (Sunday) by NITT Hospital staffs and PHC staffs, Thirunedunkulam in NITT Hospital

3. **Medical screening was done for all the first year students**, as a part of Orientation programme which was conducted on August 2017.

4. As per the TN Govt guidelines, NITT Hospital team along with the Guidance of Siddha Doctor, Thuvakudi GH, provided **Nilavembu Powder** at NITT Hospital on 10th of October 2017.

5. NITT Hospital team, Government Hospital Team, NSS and Students council of NITT conducted the **blood donation camp** on 04.11.2017 in NITT Hospital and the blood bags were given to Government Raja Mirasudhar Hospital, Thanjavur

6. **Annual Medical camp** for NIT Nursery School students was conducted by NITT Hospital Team on 11th of January 2018.

7. **PULSE POLIO IMMUNISATION:** Oral polio Drops first dose was given to children of 1-5 yeas on 28.01.18 (Sunday) by PHC staffs, Thirunedunkulam in NITT Hospital

8. NITT Hospital team, NCC students of NIT Trichy in association with Titan Eye Plus conducted **eye checkup camp** for the faculty, staff and students of NIT Trichy from 09 Feb to 11Feb 2018.

9. **Vitamin A solution** was given to mothers with infants below 6 months of age and children 5yrs and below - Organized by NITT Hospital team and GH staff of Thuvakudi, Trichy on 23/ 02/ 2018 (FRIDAY).

10. Medical assistance and ambulance services was provided for Pragyan during 1st March to 4th march 2018.

11. 1 **Adult Digital weighing machine- Electrically chargeable** and 2 Paediatric Digital weighing machine –were purchased on March 2018.

12. 2 Folding Type Wheel chairs and 5 Pulse Oxymeters were purchased in March 2018.

13. PULSE POLIO IMMUNISATION_**Oral polio Drops** second dose was given to the children of age 1- 5 years on 11.03.18 (Sunday) organized by the PHC Staff, Thirunedunkulam in NITT Hospital.

9.8. HOSTELS

The National Institute of Technology is a residential institute and provides accommodation to students wishing to reside in the hostels. Hostel administration is an independent unit in respect to its internal administration under the overall supervision of the Hostel Administration Committee (HAC) headed by Chief Warden. Hostel administration committee consists of Chief Warden, Additional Chief Wardens &Convener of Hostels. Each hostel is administered by a Warden appointed by the Director and he/she is assisted by Residential Student Councilor (RSC) and Steward in all matters relating to the hostel. The HAC formulates the necessary rules and guidelines pertaining to Hostels and messes.

There are 21 Boys hostels and 6 Girls hostels which accommodate 5200 students approximately every year. Each hostel also has a Hostel Committee which is an advisory body comprising the Warden of the Hostel (as it's Chairman), RSC and the elected student representatives as its members. The Hostel Committee plans the students' activities for the year, like sports, recreational, social activities of the hostel and the welfare of the inmates through the respective student representatives.

First year students are accommodated in separate hostels to ensure that there is no ragging in hostel premises.

The Hostel Office is located within the hostel premises and managed by Deputy Registrar Hostels, accountants, and other staffs in matters related to the various activities of the hostel. The Office maintains all the files, registers, records, ledgers, account books, supplier's bills, payment registers etc., pertaining to the hostel residents, mess and the employees. The Hostel Office is functioning on all weekdays and Saturday.

Every student who has been admitted to the institute is required to pay the prescribed hostel rent and establishment charges along with a refundable hostel mess caution deposit. These charges are subject to revision from time to time.

Each room is provided with a cot, table, chair, bookshelf, and ceiling fan. Private cooking in the rooms is prohibited. Smoking, consumption of alcoholic drinks and substance abuse is strictly prohibited.

Every hostel is connected through Wi-Fi internet connectivity. Every Hostel floors are installed with drinking water purifier with cooler and common rooms are provided with AC facility and TV's for recreational purpose.

A number of recreational, sports and social activities take place in the hostel during the academic year. A few rooms in the hostel are used for common facilities such as the Computer Room, Indoor Sports etc. One of the Common Room houses a Table Tennis (TT) board and Carom board as well. Avid sports enthusiasts can take their sports equipment from the sports Room which is maintained by the Hostel Sports Secretary.

An external security agency is contracted for providing security at the hostels. The services of the security personnel are monitored by the Warden. An external agency is contracted for providing housekeeping services in the hostels and premises monitored by the stewards. The closed-circuit television (CCTV) cameras have been installed at the entrances of the all hostels.

The Hostel committee, ensures proper maintenance of the hostel premises and coordinates the activities of the other secretaries. The Mess committee works in conjunction with the mess caterer and planning of the menu and maintenance of hygiene in the kitchen and the mess hall. Procurement of Sports equipment is the responsibility of the student's council who also plans the schedules of intra-hostel events and appoints Captains for the various hostel teams.

Presently 10 private caterers provide catering services for all inmates of hostels and 10 messes which could accommodate all the students at a time. The messes provide non-vegetarian menu, in north Indian cuisine, Tamil Cuisine, Andhra cuisine and Kerala cuisine. An Exclusive Pure Veg mess is operational for pure vegetarian students and Jain food. Each mess has a separate mess committee, to monitor the quality of the food served and to modify the menu as per the requirements of the students.

Provision is given for every student to opt the mess as per their choices each month with a restriction on maximum number of students per caterers. Apart from this several night kiosks, an exclusive Food court is run in the hostel premises by private catering services. Hostel zone also consists of other common facilities like ATM, Xerox shop, laundry shops, and Naturals Hair saloon outlet.

Hostel Administration Committee (HAC) - 2017-18 Email: hac@nitt.edu

S. No.	Designation	Name	Department	Email-Add @nitt.edu
1.	Chief Warden	Dr. B. Ramadoss	Professor/CA	brama@nitt.edu
2.	Deputy Chief Warden-I	Dr. N. Ramasubramanian	Asso. Professor / CSE	nrs@nitt.edu
3.	Deputy Chief Warden-II	Dr. V. Senthilkumar	Asst. Professor/ Production Engineering	vskumar@nitt.edu
4.	Hostel Convener	Dr. M. Arivazhagan	Asso. Professor/ Chemical Engineering	ariva@nitt.edu
5.	Deputy Registrar (Hostels)	Dr Major Mathivanan K Pillai	-	kmathi@nitt.edu

Wardens (2017-18)

S. No.	Name of the Warden	Hostels & Mess	Email-Add @nitt.edu
1.	Dr. R. Gandhimathi, Civil Engineering	OPAL A, B, C-West: Both Mess	rgmathii@nitt.edu
2.	Dr. Sridevi, DoMS	OPAL C-East, D, E: Both Mess	psridevi@nitt.edu
3.	Dr. S. Suresh, Mechanical Engineering	Garnet A,B,C: MM II – SOUTH	ssuresh@nitt.edu
4.	Dr. D. Lenin Singaravelu, Production Engineering	Amber A,B: Kailash	dlenin@nitt.edu
5.	Dr. V. Mariappan Mechanical Engineering	Aquamarine A,B: Sabari	vmari@nitt.edu
6.	Dr. G. Thavasi Raja, ECE	Zircon A, B,C: MM I North & South	thavasi@nitt.edu
7.	Dr. R. Mohan, CSE	Lapis, Sapphire, Topaz: Annapurna	rmohan@nitt.edu
8.	Dr. V. Arul Mozhi Selvan, Mechanical Engineering	Emerald, Pearl, Ruby, Jasper: MM II -North	arulmozhi@nitt.edu
9.	Dr. S. Vinoth Production Engineering	Diamond, Jade: A&B Mess	vinodh@nitt.edu
10.	Dr. T. Ramesh, MECH	Agate, Coral: A&B Mess	tramesh@nitt.edu

9.9. GUEST HOUSE

NIT, Tiruchirappalli caters to provide accommodation and food to official and personal guests in the two guest houses located in its premises. Guest House -1 has 33 guest rooms inclusive of 3 suites and two dining halls. Guest House -2 has 16 guest rooms inclusive of a suite and a dining hall. All the guest rooms are well furnished, air conditioned and equipped with the basic amenities not limited to Wifi and LED television with DTH services. Both guest houses are maintained through outsourced contract. NIT, Tiruchirappalli is taking efforts to provide three star comforts to its guests.

9.10. SPORTS CENTRE

The sports center is a state-of-art coliseum comprising of a modern Gym, indoor badminton courts, and space for carom boards. The 400m Athletic track along with the hockey and football field is well maintained with separate areas for training. The three cricket pitches in the campus are all equipped for both practice sessions and full-fledged matches. Basketball and tennis courts were built keeping world-class standards in mind. The Student Activity Centre (SAC) is equipped with Table Tennis tables and well-furnished play area for chess. The hostels too are built with recreation halls and sports equipment to promote physical fitness.

The two major events that are conducted in the campus are "Sports-Fete," and the "All India Inter-NIT meet." The Sports Fete is conducted to inculcate the spirit of sportsmanship and competitiveness among the different departments of the college every year. The All India Inter NIT Meet is the most sought out event among all of NITs in the nation. NIT Tiruchirappalli boasts of successfully conducting three major events including cricket, basketball, and volleyball last year. With the two-way interaction between the unstoppable sports community and the ever-supportive administration, the sky is the limit.

The fitness center which also has wooden flooring houses many exercise machines such as multi-station gym, treadmill, stairs, air walker, rowing machine, exercycle and so on. These are used by the students, staff and other residents of the campus.

Outdoor Stadium

The outdoor stadium has a 400M track. The cricket ground here hosts matches for the city league. The campus is dotted with two football grounds, one hockey field, two volleyball courts, two basketball courts, two handball three tennis courts, and two ball badminton courts. Besides each hostel have separate playgrounds and indoor games such as table tennis and caroms: two basketball courts and two Tennis courts of international standards worth 65 lakhs just behind the Swimming pool.

Aqua Sports Complex

Constructed in 2003, this houses a 25 m swimming pool. The 5 lakh liters of water is circulated through a filter once every ten hours with the use of a pump. Separate time slots have been assigned to different segments of users. The swimming pool is maintained by the outsourced contract.

Indoor Stadium

The stadium is comprised of one volleyball court, one basketball court, two badminton courts, and three table tennis courts with the synthetic flooring. One thousand plus students can comfortably sit and watch matches from the balcony. Separate dressing rooms are available for both boys and girls sports contingent.

INDOOR STADIUM

10. TRAINING AND PLACEMENT

Significant events and national level awards:

1. The Institute has received the prestigious **Best Innovation Club** Rolling Trophy at the Festival of Innovation and Entrepreneurship (FINE'18) organized by the **Rashtrapati Bhavan**. The award has been presented by the Hon. President of India. The coordination has been done by T&P.

2. The Institute has received the prestigious National Award as the **University of the Year** at the FICCI - 13th Higher Education Summit '17 held at New Delhi. The application process has been coordinated by T&P.

3. **A 5-day residential computer training program for 50 visually impaired** students / teachers of Trichy and neighbouring districts has been conducted during Dec'17.

4. Dr. A. K. Bakthavatsalam has played a key role as a part of SPG team in preparing and filing the IoE proposal.

Summary (2017-18)

Notable T&P related achievements:

The students' placement record continues to be maintained at higher percentages, despite global sluggishness. The overall percentage of placements as on 26.03.2018 of under graduate programme is **94%** and Post Graduate Programme is **75%.** The placement process is still in progress.

Notable Achievement: (As on 26.03.2017)

No. of Companies Visited	No. of Students Placed	Percentage (registered)	Double offer (UG & PG)
236	UG: 551 PG : 382	UG: 94.0 PG : 75.0	UG: 16 PG : 05

Four professional development courses in Energy Environment, Safety and Quality, specifically for PG students have been conducted with the funding support from TEQIP.

The Institute is expected to end the year with near normal placements, despite unfavourable global factors with the placement process still in progress.

Sl. No.	Details	Total Nos.		
1.	Journals / International*	2 (Under Department of Energy and Environment)		
2.	Consultancy work	No's:	1	Total Amount : 88,500/-
3.	No. of Ph.D. produced*	1 (Under Department of Energy and Environment)		
4.	No. of Patents filed	1		
5.	Technical Symposium	(1) 5-day Residential Computer Training program for visually impaired students and teachers –Dec.'17		

		(2) 5-day ISO-9001 Lead Auditor Program for PG students - Jan'18. (3) 5-day ISO-14001 Lead Auditor program for PG Students - Jan.'18 (4) 5-day OHSAS 18001 Lead Auditor program for PG Students - Jan.,'18. (5) 5-day ISO 50001 lead Auditor program for PG Students - Jan.'18.

FICCI - University of the Year

Best Innovation Club Award

11. TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE - III

NIT Tiruchirappalli has performed well in both the TEQIP phases I and II and has stood first among other TEQIP institutions.

The Project, third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the twelfth five-year plan objectives for technical education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

Objectives

- Improving quality and equity in engineering institutions in focus states
- System-level initiatives to strengthen sector governance and performance
- 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)

Fund and Financial Status

- Total sanctioned amount under TEQIP-III Project to National Institute of Technology, Tiruchirappalli is **Rs.7 Crore**.
- **Rs.3.5 Crore** is earmarked for Equipment –Modernization of Laboratories.
- **Rs. 2.8 Crore** is earmarked for Soft Components (Faculty Staff Training, Student learning Activities, Institute reforms, Mentoring activities to Mentee Institute, Graduates employablity-Finishing School, Start-up Cell, Industry Institute Interation cell related activiies, Research Development activities).
- **Rs.70 Lakhs** is for Operating cost.

Activities Under TEQIP-III

1. Seed money to the faculty (student projects) - 120 faculty have claimed under Research & Development Head.
2. BRAIT team has visited NIT, Trichy under twinning arangements during Dec 2017.
3. Selection of Asst. Prof. (TEQIP Institutions) MHRD, NPIU successfully completed.
4. Financial support has been given to the Departments for conducting BoS/Academic Audit meeting Order placed for Equipment worth of Rs. 75 lakhs in various department laboratories
5. Stanford University - NPIU MHRD Faculty Student Feed back survey has been conducted on 24th & 25th October 2017 for two departments (EEE and CSE)
6. Two programmes have been conducted under start up-cell

    i.   Technical Education in National Context to NIT Faculty & NITs Director has been organised by Dr. G Kannabiran, Management Studies during 5th to 7th October 2017.

    ii.   Business Plan Competition to NIT Faculty and students has been organised by Dr. G Kannabiran, Management Studies and Dr. N. Sivakumaran during 16th to 18th Feb 2017, Start-up Cell Coordinator.

7. Workshop on "Capacity Building of Women managers in Higher Education" held from 4 to 9th Dec 2017 at NITT, has been organised by Dr.G.Uma, ICE, Dr. D. Ezhilarasi, ICE and Dr. S. Mekala, Humanities Dept.

8. Dr. Radhakirishnan TK, Coordinator, TEQIP and Dr. Sastikumar D, Dean (ID) have attended the workshop on "TEQIP-III Implementation – Orientation" held on 21/7/2017 at New Delhi.

12. 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.

- CEDI-SONATA Digital Entrepreneurship Fund Co-Sponsored workshop on **Faculty Start-ups and Entrepreneurship** held on 24th March 2018 at NIT Trichy with 60 faculties participated in the workshop. (Coordinators: Dr. G. Kannabiran, Dr. N. Sivakumaran).

- CEDI-SONATA Digital Entrepreneurship Fund Co-Sponsored **Pragyan 2018** an international techno-managerial fest of NIT Trichy held on 1st March – 4th March 2018 with more than 5000 Students Participated.

- CEDI-SONATA Digital Entrepreneurship Fund Co-Sponsored **Ventura 2018** an international level business model competition organized on 16th - 18th February 2018 with 200 participants by E-Cell NIT Trichy Association with CEDI-SONATA Digital Entrepreneurship Fund.

- CEDI-SONATA Digital Entrepreneurship Fund Co-Sponsored **Entrepreneurship Conclave** themed on "Building India's Next Unicorn" is organized on 3rd February 2018 at Hotel Davanam Sarovar, Bangalore by E-Cell, NIT Trichy with 150 students and Startups. The workshop is conducted with a focus on creating awareness among potential applicants to CEDI as well as offer support to entrepreneurship eco-system developmental efforts.

- A month-long- programme on **NEEDS (New Entrepreneur cum Enterprise Development Scheme)** of Ministry of SME Development in partnership with EDI, Government of Tamilnadu was held on 30th October – 28th November 2017(Coordinators: Dr. G. Kannabiran, Dr. N. Sivakumaran, Dr. M. Venkata Kirithika, Dr. V. Lavanya).

- **Faculty Development programme**on Entrepreneurships development was organized on 15th -17th November 2017 at NIT Trichy. 40-50 Faculty Members from various engineering colleges in Tamil Nadu participated in the 3 Days programme. The training Module included interactions with more than 20 resource persons and industrial visits.

- CEDI-SONATA Digital Entrepreneurship Fund Co-Sponsored Start-up **Weekend** are 54 hour "No Talks All Action" events where Developers, Designers, Marketers, Product Managers and Startup enthusiasts come together and share ideas, form teams, build products and launch startups. Event started on 15th September Friday evening with 52 teams pitched their ideas. Ideas are put to vote for filtration and attendees team up. On 16th September Saturday, teams created Minimum Viable Product and presented on 17th September Sunday evening before the judges. The fourth edition of the SWT 17 saw a

whooping participation of 107 students and 52 pitches out of which the top 12 were selected for the finals.

- **Top Management Meet** under Innovation and Entrepreneurship Development Programme (IEDP) was held on13th September 2017 at NIT Trichy. 20 Top Management (Principals/Correspondents) from Various Engineering colleges in Tamilnadu participanted in 1 day Programme.

- **Project competition 2017** are organized on 9th May 2017at NIT Trichy to encourage innovation. A Best Student Project Awards competition for final Year B. Tech. / MCA Students exhibited their projects in the areas of ICT and Electronics was in NIT Trichy. A prize money of Rs.25, 000 for the winner and Rs.10, 000 for the runner –up was given. The Centre identifed potential entrepreneurs for funding through the CEDI-SONATA Digital Entrepreneurship fund sponsored by Sonata Software Ltd Bangalore.

- Organized **Information cum Mentoring events** on 3rd February & 3rd March at Hotel Davanam Sarovar, Bangalore and MSME Development Institute, Chennai respectively during this year for the benefit of young graduates and other Institute faculties.

- Based on a two-level selection process, CEDI has selected the following **Three new incubatees** during the current year:
    - Recubitech Pvt Ltd
    - Odaku Online Services Pvt Ltd
    - Fixyard

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

13. STUDENT ACTIVITIES

13.1. FESTMBER 2017

The 43rd edition of Festember, the cultural extravaganza of the National Institute of Technology, Tiruchirappalli, came to a crescendo during four days from 21st to the 24th of September, 2017 and saw the year-long efforts of the organization come to fruition. Festember 2017 proved to be yet another monumental achievement and has lived up to the legacy set by the previous editions for the past 4 decades, since its inception in 1975.

With the fest revolving around the central theme of "The Orient", and the tagline "Rise and Rave", Festember 2017 embarked on a journey to experience the flavors of the East and South-East Asian countries. The face of the festival, the mascot, was Hanzo, the ninja. The mascot brought the spirit of the theme to life by personifying and symbolising the fervor of Festember. The fest set out with a wide range of pre-Festember outreach events. The Rolling Reels Film Festival received tremendous participation with over 200 short film entries. Gigahertz, the semi-pro rock band competition provided a platform for budding artists to perform to an enthused audience in Chennai and Bangalore. Tiki Taka, a sports outreach conducted in Chennai brought the Festember Football League to the city. These events set the Festember flag flying high throughout the year and built the enthusiasm for the main event in September. Festember paved way for many social responsibility ventures like 'Pages', a book collection drive, 'Vatsalya', a one-day event to connect with the senior citizens of the society and 'Huishou', a competition based on creating art from waste. These events inculcated in everyone the need to give back to nature and spread happiness. With social media campaigns like the interview of ex-military men inside the NIT campus and awareness drives about child labour, Festember made attempts to bring issues of societal concern to the forefront.

Festember 2017 laid its cornerstone with an inaugural address by IAF wing commander A.M.S. Joseph. The ProShow series was a much anticipated aspect of Festember. The maiden ProShow of Festember 2017 mesmerized the audience with the soul-stirring music of the violinist, Shravan Sridhar during the Classical Night. DJ Shaan performed to a raving crowd at the EDM night, and the Rock Night was witness to performances by the bands 'Thermal and a Quarter' and 'RJD', as part of the Red Bull Tour Bus. The fest also comprised of informals, workshops and events throughout the day. Guest lectures - conducted under the name 'Carpe Diem' - by eminent personalities such as the South African cricketer Jonty Rhodes, film critic Baradwaj Rangan and playback singer Srinivas, provided the audience with intriguing, insightful and inspirational stories. The grand fest ended on a high note with an energetic performance by the Bollywood Singer, Amit Trivedi. Festember 2017, a magnificent

celebration of art and culture, was a resounding success and truly set a new benchmark for the years to come.

Inauguration

Choreonite

13.2. PRAGYAN 2018

Pragyan is the annual international techno-managerial festival of NIT Trichy. Established in 2005, Pragyan has grown to become the first student-run organization in the world, and the third overall, to get an ISO 20121:2012 certification for Sustainable Event Management. The organization also holds the ISO 9001:2015 certification for Quality Management Systems. Pragyan 2018, held from the 1st to 4th of March, was a package of plenty of unique experiences - right from the largest human library by a student-run organization in India to a heated crossfire that saw panelists passionately explaining their points of view on privacy. With a plethora of events, workshops, exhibitions and guest lectures, Pragyan '18, themed 'The Next Dimension' managed to port the attendees to a different level of existence and left them wanting more.

The 14th edition of Pragyan commenced on the 1st of March 2018 with Dr. B. N. Suresh, founding Director of the Indian Institute of Space Science and Technology (IIST), presiding over the inaugural ceremony. Pragyan '18 brought down to Trichy, some of the world's leading scientists and management professionals. From the National Security Advisor of India, Shivshankar Menon, to Dr. Robert Metcalfe, the co-inventor of the Ethernet and Dr. Ajay Bhatt, the co-inventor of the USB, the guest lecture line-up at Pragyan was nothing short of stellar. With over forty events under nine different clusters, the events of Pragyan 2018 saw wide participation from all over the country. Some events that blew the minds of the participants were Rush Hour, NFS Aqua and The Ultimate Manager.

A new venture that Pragyan '18 undertook was the organization a human library in association with the Human Library, Hyderabad. This was the largest ever human library organized by students in India, with 15 books including the Dancing Masculus and an Urdu speaking Brahmin. The library was open for Days two and three of the fest and saw massive reception

among the attendees and students of NIT Trichy. The Crossfire, one of the most looked-forward-to events of Pragyan took place on the 3rd of March from 6:00 p.m. at the Barn Hall. With panelists discussing on whether privacy should be conceded for the greater good, the discussion, moderated by Mr. Suhrith Parthasarathy, saw the audience at the Barn enthralled. A whopping twenty workshops were conducted in the span of the three days, on a myriad of topics including Blockchain, High-Performance Computing, and Building Information Modelling, to name a few.

The exhibits at Pragyan '18 included a prototype of the Hyperloop, Bionic arm, the robot - In Moov, and KalamSat, the world's smallest satellite, among others. Pragyan not only managed to educate but also succeeded in entertaining the audience with its out-of-the-world infotainment shows. From stand-up comedy delivered by Azeem Banatwalla to ventriloquism performed to perfection by Shawn Chua, the infotainment shows organized were a huge hit.

Pragyan '18 came to a graceful end on 4th March 2018, with Mr. Vivekanand Vanmeeganathan, Managing Director, Caterpillar India, presiding over the valediction ceremony as the Chief Guest. The winners of Sangam and Ingenium events, the flagship technical-exhibition contests held every year by Pragyan, were recognized.

Pragyan'18.

13.3. NITTFEST' 18

NITTFEST'18, the interdepartmental cultural festival of NITT, indigenous to its own students, was conducted successfully from the 5th to the 8th of April, 2018. This edition of NITTFEST, sponsored by Nestle, RedBull, Sakthi Masala and Vh1, witnessed growth unlike anything is ever seen before, with its first unique One Rupee pro show by the immensely popular stand-up comedian, Kenny Sebastian. 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 held on Day 05th April. The event was graced by Gautham Vasudev Menon, the Indian film director, and producer. It was followed by the much-awaited

show by Kenny Sebastian, which was enjoyed by an enormous and enthusiastic audience. The day was ended with mesmerizing Qawwali performances by the teams from various departments. NITTFEST had several events from various clusters like Lits, Music, Dance, and Arts in which the participants gave it they're all. Manoranjan, one of the signature events of NITTFEST marked an entertaining end to Day 1. Battle of Bands, the musical war between the bands from each of the departments was held on the evening of Day 2, where the explosive music made the very air thrum with energy. After the valedictory function on the evening of Day 3, which also saw the screening of movies shot for Take One, the most anticipated event of NITTFEST, the Choreo Nite, was held which was one spectacular grand finale where the dancers from the departments owned the dance floor. These events were judged by eminent personalities and groups like Shreya Deshpande, Balaji Sakthivel, When Chai Met Toast and United by Dance. They also gave valuable tips to the participants after their performances.

All in all, NITTFEST 2018 was successful in setting high standards for further editions to come.

NITTFEST 2018

13.4. CLUBS AND SOCIETY

Sl. 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

13.5. STUDENT CLUBS ACHIEVEMENTS

Sl. No.	Clubs	Achievement
1.	Balls by Picasso	➢ Pondicherry Institute of Medical Science • 2nd place in General Quiz • 1st place in Extempore ➢ JIPMER College, Pondicherry • 3rd place in General Quiz ➢ Stella Maris College • 4th place in India Quiz ➢ MOP Vaishnav College • 1st place in General Quiz ➢ Shaastra, a Technical fest of IIT Madras • 4th place in How Stuff Works quiz ➢ Mood Indigo, a Cultural fest of IIT Bombay • 2nd and 3rd place in Wordemort (Word games competition) • 4th place in Spell Bee ➢ Saarang, a Cultural fest of IIT Madras • 3rd place in What's the Good Word (Word games competition) • 3rd place in Cryptic Crossword • 2nd and 3rd place in Scrabble • 2nd in Anime Quiz

		• 4th in Travel and Living Quiz • 3rd in JAM (Speaking event)

2.	Builders' Hive	➢ SSN College Symposium (Invente 2017):
		    • 1st prize - Poster presentation
		    • 3rd prize – Potential Professor
		➢ SASTRA Civil Symposium (Hinges 2017):
		    • Exemplum (A model making competition)- 1st place
		    • Recurva (A rehabilitation challenge)-1st place
		    • Trail by Surveying (A survey related event)- 1st place and 2nd place

3.	Dance Troupe	➢ Participated and won first place in KMC college Chennai cultural fest, eastern category. Participated and won the 2nd place in Saarang '18 IITM. Eastern category. ➢ Participated and won a 1st and 2nd place, eastern and western at Yukti '18 Thiyagarajah Madurai.
4.	Delta Force	➢ Google Summer of Code (InCF organization) ➢ Haskell Summer of Code 2017 ➢ Deadline 24 algorithmic coding contest, (World Rank 134) ➢ Hackathon, Software A.G. India (First Prize) ➢ Code-o-Soccer, Kshitij 17, IIT Kharagpur Technical Fest (First Prize) ➢ ACM ICPC 2018 Chennai Regionals (Nationwide 11th rank) ➢ ACM ICPC 2018 Amritapuri Regionals (Nationwide 54th rank) ➢ Topcoder Open India Regionals (Finalist, Nationwide 7th rank) ➢ On-Site Programming Contest, Saastra 2018, IIT-Madras Technical Fest (Fourth place) ➢ Codathon, NIT Bhopal (Top 10 teams) ➢ InOut Hackathon, NIT Surat (Top 10 teams) ➢ Cats vs. Dogs Detection, Kaggle ML Contest (Top 20

		teams)
		➤ Reverse Coding, Saastra 2018, IIT-Madras Technical Fest (Finalists)
		➤ J.A.R.V.I.S, Saastra 2018, IIT-Madras Technical Fest (Finalists)
		➤ Three's a Crowd, Pragyan 18 (First and Second Prize)
		➤ Hunt the code, Pragyan 18 (First and Second Prize)
		➤ Mdecoder, Pragyan 18 (Second Prize)
		➤ Pragyan Hackathon, Bangalore (First Prize)
		➤ Cryptech, Probe 18 (First Prize)
		➤ Triathlon, Vortex 18 (First and Third Prizes)
		➤ Algo Warriors, Sensors 18 (Second Prize)
		➤ OSPC, Vortex 18 (First and Second Prize)
5.	Designers' Consortium	➤ SANGAM: VIDHAI – 2nd place
		➤ V REX 80 – 3rd place
		➤ Both the projects were selected for incubation from Caterpillar which involves 5-week mentorship from caterpillar experts.
		➤ SHAASTRA – Technical fest of IIT Madras
		➤ AGRINEERS: BANANA PLANTAIN SUPPORT – 1st PRIZE
		➤ RICE TRANSPLANTER – 2nd PRIZE
		➤ INDIAN RAILWAYS DESIGN CHALLENGE: 2 Teams from our club won the 1st and 3rd prize for coming up with the efficient solution to solve problems that are existing in the present day bio toilets used in railways.
		➤ Total prize tally – 4 in Shaastra.
		➤ GRAVITAS'17 – Technical fest of VIT Vellore 1st prize in CAD War for designing an ergonomic, modular Robotic arm.
6.	Music Troupe	➤ Saarang, Cultural Festival at IIT Madras - Secured 1st Place in Tarang (Indian Music Battle of Bands): 11th to 14th Jan '18

		➢ Dhruva, Cultural Festival at IIM Trichy - Secured 1st Place in War of Bands :27th January '18 ➢ Busk in Thy glory, IIM Bangalore: 3rd Feb '18 ➢ InBloom, Christ University Bangalore - Secured 1st place Battle of Bands (Indian Music), 3rd place Battle of Bands (Western Music): 3rd Feb '18
7.	PSI Racing	➢ 1st place in the Acceleration Event, amongst 80 odd teams from all over the country, in the Enduro Student India ➢ 6th position in the Sales Presentation at BAJA SAE India, which was among 120 odd teams, again spanning
8.	Robotics and Machine Intelligence Club (RMI)	➢ Shaastra: • Ethical Hardware Hacker: 1st place ➢ Sangam : First place in Non-circuital

9.	Spider	➢ Shaastra - IIT Madras
		  • The Number Thing - 1st Place
		  • JARVIS - 1st Place
		  • Sparkon - 1st Place, 3rd Place
		  • Eleckart - 3rd Place
		➢ Sangam, Pragyan 2018
		The following projects were exhibited as a part of Sangam 2018:
		  • ListenIn - 1st Place (circuital)
		  • iLocus - 2nd Place (circuital)
		  • AgriX
		➢ Eyantra
		Conducted DRDO and IIT Bombay - 3 teams selected for the final round

10.	The Thespians' Society	➢ Saarang, cultural festival at IIT Madras 11th - 14th Jan 2018
		  • First place – Dramatics
		  • Best director – Dramatics
		  • Second place – Dial a director
		➢ Unmaad, cultural festival at IIM Bangalore 2nd - 4th Feb 2018

		• Best script – Curtain Call
		• Third place – Curtain Call
		➤ Coliseum, theatre festival at RV college of Engineering 25th March 2018
		➤ Kuruksastra, cultural festival at SASTRA 23rd - 25th March 2018
11.	The Third Dimension Aeromodelling Club	➤ Stood 1st and 3rd in HoverRace which was organized as a part of Shaastra, the technical festival of IIT Madras.
		➤ Participated in DRUSE (DRDO Robotics and Unmanned Systems Exposition), conducted by DRDO.
		➤ Participated in TATA Protean Challenge conducted by IIT Bombay.

President's Best Innovation Club Rolling Trophy to NITT

VRex - DC Club

13.6. NATIONAL CADET CORPS (NCC)

In 2017-2018, A Flight NCC organized 35 official parades. Every week, cadets in uniform assembled at the NSO ground. The 3rd year Cadets were responsible for the training of primarily 2nd year cadets and through them, the 1st year cadets. The parades involved practical and theory sessions. In the practical sessions, cadets were trained in the execution of the drill sequence. The 2nd year cadets were trained in the execution of rifle drill and the 1st year cadets were trained in the execution of foot drill. They were taught the commands by first explaining the specifications and minute details of each command followed by rigorous practice. In the theory sessions, cadets were educated about NCC and the responsibilities of a cadet towards

society. Each parade ended with the senior cadets motivating the junior cadets to bring out the best in them. Refreshments were provided to the cadets at the end of each parade.

The NCC cadets have participated / organized the following events in 2017 – 18

Catc I camp	25/07/2017 – 03/08/2017
Independence Day	15/08/2017
Orphanage Visit	21/10/2017
Blood Donation camp	09/09/2017
Breast and Cervical Cancer Awareness Programme	02/11/2017
Catc II Camp	22/12/2017 – 31/12/2017
Republic Day	26/01/2018
Eye-Check Up Camp	09/02/2018 – 11/02/2018
LAKSHYA'18	23/03/2018 – 25/03/2018

Independence Day 2017

Medals

13.7. NATIONAL SERVICE SCHEME (NSS) ACTIVITIES

BLOOD DONATION CAMP: Blood Donation Will Cost You Nothing but Save a Life. The saying seems to be well understood by the people of NITT. The Blood Donation Camp was organized by NSS on 4th November, 2017 at NITT Hospital which was a huge success with a 100 volunteers doing the noble deed of donating blood. All the NSS volunteers along with Dr. Mariappan along with members of the Tanjore Government Hospital organized the event successfully. Tanjore Government Hospital ensured that the blood donated goes for maternity purposes and childcare. Many faculties inclusive of The Respected Director of NITT, Dr. Mini Shaji Thomas, took part in this noble gesture of donating blood. The hospital and the Institute

was filled with happiness to see the outcome of the event and is hopeful about conducting more blood donation camp at appropriate intervals.

CANCER AWARENESS INITIATIVE: "One-thirds of Cancers can be prevented by avoiding tobacco and leading a healthy lifestyle". With 10 lakh new cases being diagnosed every year in the country, NSS had organized a Poster Designing and Content Writing Contest with cash prize upto 2000 rupees during February. It was a pleasant surprise to see that it had a reach among other college students too who submitted worthy entries. From the many posters received, 10 posters were shortlisted for the final round where people had to get maximum likes for their post and the prizes were awarded based on the quality of the poster and number of likes. The content and posters of the Winners were also published in the NSS page honouring them with the cash prizes.

ENGLISH TEACHING event for kids at Pullambadi through "Aid India campaign", saw an enthusiastic participation of NSS members. This program was initiated to promote more English skills in rural area. Interesting quizzes were conducted to test phonetics. 20 Highly enthusiastic NSS students participated in this event enlightening the kids of Pullambadi. AID India Recognised NITT as one of prominent participants and awarded with a memento.

CLEANING DRIVE ON GANDHI JAYANTI: The activity was held on 2nd October, 2017, i.e. on the auspicious occasion of Gandhi Jayanti as a tribute to the Mahatma. The activity follows Gandhi's teachings to keep our surroundings clean. Around 15 volunteers, led by Mr. Sridharsan KS, cleaned the dirty and unkempt areas of the NSO ground.

MEDICAL CAMP: Prevention and treatment of medical issues are the main task of a health service at a youth camp. A medical camp was conducted in the village of Solaghapetti, a small village near Trichy by the team "HumaNITTy" including the students from NSS and NCC. The doctors of NIT, Trichy examined all the people residing in the village for various issues they had for free. All kinds of check-ups were arranged including the eye check-up. Free medicines were also distributed. Special attention should be paid in prevention of contagious diseases.

ASHRAM VISIT: The first year of NSS students visited MALARCHI ASHRAM and TRUWDES ASHRAM on a weekend. There were about 150 participants who took part in activities like distributing sweets, cookies, fruits with enthusiasm and interest. The event became successful because of the active participation of all the students. Events included a visit to an ashram, cleaning drive, visiting various schools and promoting awareness about various issues.

13.8. SPORTS ACHIEVEMENTS

Sl. No.	Sport	Achievement
1.	ATHLETICS	**Men:** ➢ Udghosh'17 (IIT Kanpur): • Long Jump Bronze • Shot Put Bronze • Discus Silver ➢ Revels'18 (MIT Manipal): • Long Jump Bronze • Javelin Silver • 4*400m Relay Silver • 400m Silver • Discus Gold • Triple Jump Bronze • 4*100m Relay Gold • 110m Hurdles Bronze **Women:** ➢ Udghosh'17(IIT Kanpur): • Discus Silver • High Jump Gold • Long Jump Silver and Bronze • 4*100m Relay Silver ➢ Revels'18 (MIT Manipal): • 100mGold and Silver • Shotput Silver • Long Jump Gold and Silver • Javelin Bronze • 400m Gold and Silver • Discus Gold • 200m Gold, Silver and Bronze
2.	BADMINTON	**Women:** ➢ Bronze at All India Inter NIT Tournament (NIT Warangal)
3.	BASKETBALL	**Men:** ➢ Winners at All India Inter NIT Tournament (NIT Warangal) ➢ Bronze at Colosseum'18 (Sastra University) **Women:** ➢ Bronze at All India Inter NIT Tournament (NIT Warangal)
4.	CHESS	**Men:** ➢ Winners at Sportiva'17 (PITS Thanjavur) ➢ Runners Up at All India Inter NIT Tournament (NIT Kurukshetra) ➢ Runners Up at Colosseum'18 (Sastra University)
5.	HANDBALL	➢ Winners at Udghosh'17 (IIT Kanpur) ➢ Winners at All India Inter NIT Tournament (NIT Surathkal) ➢ Winners at Revels'18 (MIT Manipal)
6.	KABADDI	➢ Bronze at Udghosh'17 (IIT Kanpur)

7.	KHO KHO	**Men:** ➤ Winners at All India Inter NIT Tournament (NIT Agartala) **Women:** ➤ Runners Up at Udghosh'17 (IIT Kanpur) ➤ Runners Up at Aavhan'18 (IIT Bombay)
8.	POWERLIFTING	➤ Udghosh'17 (IIT Kanpur): • 56 Kg Category: Bronze • 69 Kg Category: Bronze • 77+ Kg category: Bronze
9.	SWIMMING	**Men:** ➤ Revels'18 (MIT Manipal): • 200m Breaststroke Silver • 400m Freestyle Silver • 200m Freestyle Silver • 100m Freestyle Bronze • 200m Breaststroke Silver • 100m Breaststroke Gold • 66m Breaststroke Silver • 33m Breaststroke Silver ➤ All India Inter NIT Tournament (NIT Surathkal): • 200m Freestyle Gold • 100m Breaststroke Gold • Individual Medley Silver • Medley Relay Silver • 4*50m Relay Silver • 50m Backstroke Bronze • 50m Breaststroke Gold and Bronze • 1500m free style Gold **Women:** ➤ Revels'18 (MIT Manipal): • 400m Freestyle Bronze • 200m Freestyle Silver • 100m Freestyle Bronze • 66m Freestyle Bronze • 33m Freestyle Gold and Bronze • 200m Backstroke Silver and Bronze • 66m Backstroke Gold • 33m Backstroke Gold • 200m Breaststroke Silver and Bronze • 100m Breaststroke Silver • 66m Breaststroke Bronze • 33m Breaststroke Silver and Bronze • 100m Butterfly Bronze ➤ Individual Medley Silver and Bronze • 4*33m Freestyle Relay Silver • 4*33m Medley Relay Silver • 4*66m Freestyle Silver ➤ All India Inter NIT Tournament (NIT Surathkal):

		• 100m Backstroke Gold • 50m Butterfly Gold • Individual Medley Gold • 100m Butterfly Silver and Bronze • 4*50m Relay Gold • Medley Relay Silver • 50m backstroke Gold • 50m breaststroke Silver
10.	TABLE TENNIS	**Men:** ➤ Winners at Sportiva'17 (PITS Thanjavur) ➤ Runners Up at All India Inter NIT Tournament (NIT Kurukshetra) **Women:** ➤ Winners at Sportiva'17 (PITS Thanjavur) ➤ Winners at Udghosh'17 (IIT Kanpur) ➤ Winners at All India Inter NIT Tournament (NIT Kurukshetra)
11.	TENNIS	**Men:** ➤ Winners at Sportiva'17 (PITS Thanjavur) ➤ Bronze at Colosseum'18 (Sastra University) **Women:** ➤ Winner at Udghosh'17 (IIT Kanpur) ➤ Runners Up at All India Inter NIT tournament (NIT Warangal)
12.	VOLLEYBALL	**Men:** ➤ Bronze at Udghosh'17 (IIT Kanpur) ➤ Winners at All India Inter NIT Tournament (NIT Kurukshetra) **Women:** ➤ Runners Up at Sportiva'17 (PITS Thanjavur) ➤ Bronze at Udghosh'17 (IIT Kanpur) ➤ Runners Up at Colosseun'18 (Sastra University) ➤ Winners at All India Inter NIT Tournament (NIT Kurukshetra)

Udghosh'17 – IIT Kanpur

All India Inter NIT Tournament – Kurukshetra