

ANNUAL REPORT

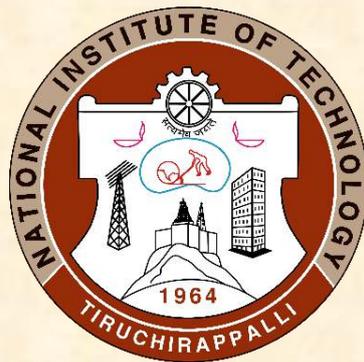
2018-19

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI



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DIRECTOR'S FOREWORD

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



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

NIT's strength is its research enterprise. There is a tremendous surge in publications in Scopus and Web of Science indexed journals. We have 871 publications and 12594 citations in Scopus and 569 publications and 9192 citations in Web of Science respectively. Our institute has also filed 46 patents in the last year. So far, we have received 9 SPARK projects.

Another historic achievement is the inauguration of the 190 Crore Centre of Dynamic Excellence in Manufacturing in partnership with Siemens Industry Software, by the Union Minister for Human Resource Development, Prakash Javadekar in October 2018. The event also witnessed the unveiling of the Institute's five-year Strategic Plan (2019-2024) which seeks to transform the Institute to a global, multidisciplinary University, with research driven teaching, to improve our world rankings. We also revised the Vision, Mission statements and embellished our emblem. With an aim to expand our global footprint and to reshape ourselves as a cosmopolitan institution of the 21st century, NIT Trichy has recently appointed a new Dean (Alumni & International Relations) established a fully functional Office of Alumni-Institute Interaction Cell. Through various new initiatives, this office liaison with distinguished alumni of the institute and collaborates with international universities, towards establishing new alliances.

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

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

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

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

Our students are our asset. I am delighted to state that our institute won second prize at Singapore-India Hackathon 2018. Pursuing the theme “Solution for Humanity,” in a 36-hour hackathon held at Singapore, Prime Minister Narendra Modi felicitated our team. Earlier NIT Trichy hosted Smart India hardware hackathon in June 2018 and the software Hackathon in March 2019. Our academic pre-eminence is complemented by a strong sports program. Our institution emerged overall winner in the All India Inter-NIT Sports meet. As always, our cultural festival, Festember and our ISO certified techno-managerial festival Pragyan witnessed an array of distinguished lectures and workshops. Renowned quantum physicist Spyridon Michalakis from California Institute of Technology was part of the 15th edition of Pragyan. NIT is also proud to be associated with MHRD’s Unnat Bharat Abhiyan, a programme that aims to improve the quality of life in rural areas and part of the Margadarshak scheme of AICTE where the Institute mentors 14 colleges. Deepening its commitment for farmers, NIT Trichy in collaboration with IIFPT developed a 2TR prototype solar assisted cold storage which can store vegetables without electricity.

NIT Trichy continues its promise to environment and is becoming a more desirable place for our fraternity to live and to collaborate. In our effort to make an eco-friendly and sustainable campus, we initiated a large scale greening of the campus and accordingly, we planted 5000 saplings in the last 6

months. In the year 2018, NIT Trichy became the only NIT among the thirty-one NITs in the country to be awarded a position in the Swacch Campus Rankings (2018). NIT also bagged the Green Campus Award conferred by TNPCB.

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

As Lorii Myers states, “when the awareness of what is achievable brushes your life, your journey has begun.”

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

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

Jai Hind!

Dr. Mini Shaji Thomas

Director

National Institute of Technology, Tiruchirappalli

April 2019

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.	Chairperson In-charge
2.	Director, National Institute of Technology, Tiruchirappalli.	Ex-Officio
3.	Joint Secretary (Technical Education), Dept. of Higher Education, MHRD, Govt. of India, New Delhi.	Member
4.	Joint Secretary and Financial Advisor, IFD Department of Higher Education, MHRD, Govt. of India, New Delhi.	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.	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
29-06-2018	50 th Meeting	Board room, IIT Delhi
24-09-2018	51 st Meeting	NIT Transit House, New Delhi
10-12-2018	52 nd Meeting	NIT Transit House, New Delhi
26-03-2019	53 rd Meeting	NIT Transit House, New Delhi

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:

Date	FC Meeting	Venue
29/06/2018	36 th Meeting	Board Room, IIT Delhi
24/09/2018	37 th Meeting	NIT Transit House, New Delhi
10/12/2018	38 th Meeting	NIT Transit House, New Delhi
26/03/2019	39 th Meeting	NIT Transit House, New Delhi

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	
Dr. C. Natarajan, Professor Dean (Planning & Development), National Institute of Technology, Tiruchirappalli.	Mr. K. Rajendran Superintending Engineer (Civil Section) CSIR – Central Electro Chemical Research Institute, Karaikudi – 630003
Prof. V. Jagadeesh Kumar Professor, Department of EEE, Indian Institute of Technology Madras Chennai – 600036	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:

Date	B & WC Meeting	Venue
21/06/2018	19 th Meeting	OOM Room, NIT, Tiruchirappalli
14/11/2018	20 th Meeting	OOM Room, NIT, Tiruchirappalli
18/03/2019	21 st Meeting	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. Ramamurthy K Professor Department of Civil Engineering IIT Madras Campus, Chennai – 600036	Dr. Gurumurthy Neelakantan Professor Department of Humanities and Social Sciences Indian Institute of Technology Kanpur Kanpur – 208016	G C Anupama Dean and Senior Professor, Indian Institute of Astrophysics II Block, Koramangala, Bengaluru 560 034

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
39 th	15/05/2018	A13 Hall, NIT, Tiruchirappalli
40 th	26/06/2018	A13 Hall, NIT, Tiruchirappalli
41 st	29/11/2018	EEE Auditorium, NIT, Tiruchirappalli
42 nd	24/01/2019	EEE Auditorium, NIT, Tiruchirappalli
43 rd	22/03/2019	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 Nominees	Dr. Jyotimaya Tripathy Professor Department of Humanities and Social Sciences IIT Madras Chennai - 600036	Dr. M. K. Shrimali Professor Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur-302017
		Dr. L. S. Ganesh Professor Department of Management Studies IIT Madras Chennai - 600036	Dr. M. Thamban Nair Professor Department of Mathematics IIT Madras 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
Members	One expert from outside the Institute
	Nominee of Ministry of Human Resource Development
	Registrar

Total number of times the Selection Committee met during 2018 – 2019: 37 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 01/04/2018 To 31/03/2019:

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

Sl. No.	Name	Designation	Date of Joining
1.	Amalan Sigmund Kaushik S	Assistant Professor Grade-II	02/04/2018
2.	Dr. K. Muthukumar	Professor	15/06/2018
3.	Dr. Virivinti Nagajyothi	Assistant Professor Grade-II	05/04/2018
4.	Dr. Somenath Garai	Assistant Professor Grade-II	03/04/2018
5.	Dr. Sunandan Sarkar	Assistant Professor Grade-II	10/04/2018
6.	Dr. Ganesh Chandra Nandi	Assistant Professor Grade-II	06/04/2018
7.	Dr. Sarthak Mandal	Assistant Professor Grade-II	05/07/2018
8.	Dr. Marisamynathan S	Assistant Professor Grade-II	02/04/2018
9.	Dr. Jeevan Joseph	Assistant Professor Grade-II	16/04/2018
10.	Dr. R. Raghavan	Assistant Professor Grade-II	03/05/2018
11.	Dr. Rajeshwari Sridhar	Associate Professor	06/06/2018
12.	Dr. D. Ruben Sudhakar	Assistant Professor Grade-I	18/06/2018
13.	Dr. S. S. Karthikeyan	Assistant Professor Grade-I	18/05/2018
14.	Dr. Varun P Gopi	Assistant Professor Grade-I	28/05/2018
15.	Dr. Manoranjan Sahoo	Assistant Professor Grade-II	03/05/2018
16.	Dr. Shelas Sathyan	Assistant Professor Grade-II	14/05/2018
17.	Dr. Geetha C	Assistant Professor Grade-II	04/04/2018
18.	Dr. R. Periyasamy	Assistant Professor Grade-II	21/05/2018
19.	Dr. P. A. Karthick	Assistant Professor Grade-II	06/07/2018
20.	Dr. G. R. Gangadaran	Associate Professor	21/05/2018
21.	Dr. S. Nivethitha	Assistant Professor Grade-II	04/06/2018
22.	Dr. Jitraj Saha	Assistant Professor Grade-II	02/04/2018
23.	Dr. V. Ravichandran	Professor	13/04/2018
24.	Dr. Vamsinadh Thota	Assistant Professor Grade-II	01/06/2018
25.	Dr. I. Jeyaraman	Assistant Professor Grade-I	12/06/2018
26.	Dr. Vedharaj Sivasankaralingam	Assistant Professor Grade-II	04/11/2018
27.	Dr. Ashok Kumar Nallathambi	Assistant Professor Grade-II	01/06/2018
28.	Dr. D. Nagarajan	Assistant Professor Grade-II	14/05/2018
29.	Dr. V. Karthik	Assistant Professor Grade-II	10/07/2018
30.	Dr. Annapureddy Venkateswarlu	Assistant Professor Grade-II	18/04/2018
31.	Dr. V. Satheeshkumar	Assistant Professor Grade-II	11/04/2018

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

Sl. No.	Name	Designation	Date of Joining
1.	Shri. Sourav Debnath	Assistant Librarian	13/08/2018
2.	Shri. Dalley Krishnan	SAS Officer	26/12/2018
3.	Dr. A. Solomon Raja	SAS Officer	19/12/2018
4.	Shri. A. Sivarajan	Assistant Registrar	02/08/2018

3. 3. STAFF POSITION

The sanctioned strength against the actual staff in position as on 31.3.2019 is furnished below:

Sl. No.	Category	Sanctioned Strength	Staff In Position
1.	Director	1	1
2.	Professor	56	62
3.	Professor (HAG)		30
4.	Associate Professor	112	84
5.	Assistant Professor	225	71
6.	General Admn. & Officer Staff	4320	63
7.	Technical Staff		83
8.	Other Staff		56

Faculty / Staff who retired during the period from 01.04.2018 to 31.03.2019:

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1.	Dr.T.Selvaraj	Professor	Production Engg	31/05/2018
2.	Dr.A.Noorul Haq	Professor (HAG)	Production Engg	31/10/2018
3.	Dr.A.Venkataswamy Reddy	Professor	Computer Applications	31/03/2019

Non-Faculty who took VRS during the period from 01.04.2018 to 31.03.2019:

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
1.	Smt. V. Venkatalakshmi	Sr. Superintendent	Main Office	24/10/2018
2.	Shri. C. Palanisamy	Technician (SG-I)	Mechanical	31/08/2018

Faculty / Staff who expired while in service during the period from 01.04.2018 to 31.03.2019

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1.	Dr. G.Venkatesa Prabhu	Professor	Chemistry	19/12/2018

Non-Faculty:

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1.	Shri . S.Perumal	Attendant (SG-I)	Mechanical	24/07/2018

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.

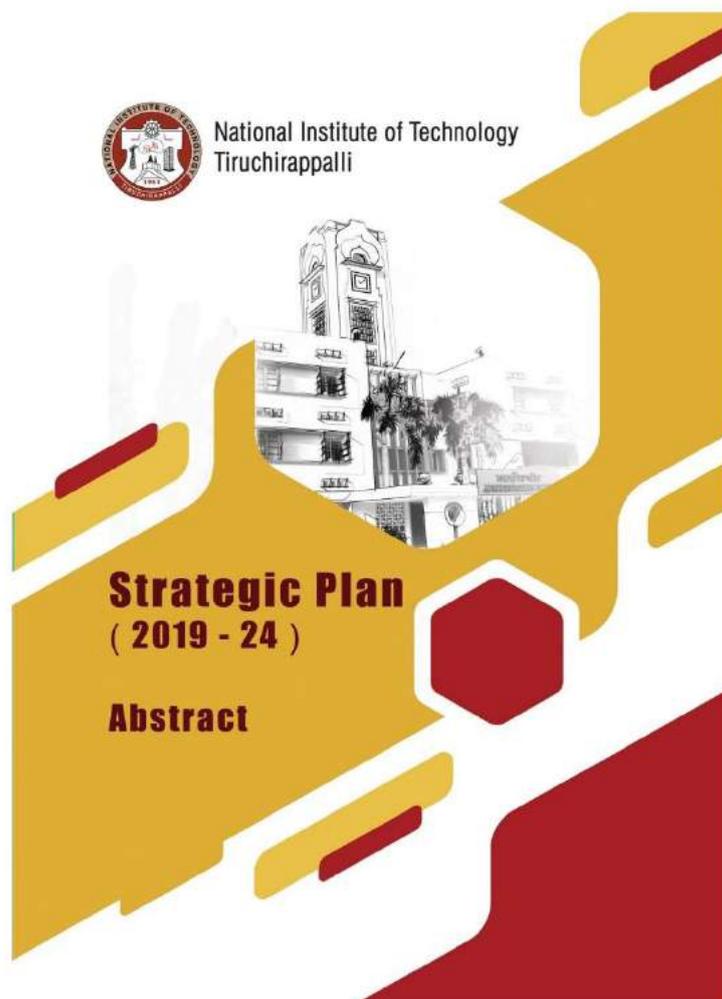
In addition to the above, R & D sanctions from various funding agencies were also received by this institution.

The audit certificate and the annual statement of accounts of the Institute for the Financial Year 2018-19 is presented in the appendices A & B.

4. STRATEGIC PLANNING GROUP

Financing of centrally funded Higher Education Institutions is undergoing a major change and NITT is gearing up to face the challenges. The Strategic Plan 2019 – 2024 unveiled in October 2018 has many elements for sustainable development of the Institute, with avenues for increasing the internal revenue generation.

As part of the Strategic Plan, the first Centre of Excellence was inaugurated by the Hon'ble Minister of Human Resource Development, Shri. Prakash Javedekar, focusing on Advanced Manufacturing with 90% support by Siemens. This Centre will be a model with research, consultancy and skill development as the goals, with focus on the manufacturing Industries and Tier I and II institutions around the Institute. It is hoped that more such centres would be started in the future to help the Institute move towards self-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 2018-19

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 2018-19

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	39	4	43
2.	Scheduled Castes	128	105	233
3.	Scheduled Tribes	63	40	103
4.	Physically Handicapped	30	10	22
5.	OBC	253	304	557
6.	DASA	83	-	83

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M. Sc.	MCA	MBA	MS	Ph. D.	TOTAL
1.	Architecture	50	-	18	-	-	-	-	-	5	73
2.	Chemical Engineering	-	70	-	42	-	-	-	-	9	121
3.	Chemistry	-	-	-	-	20	-	-	-	13	33
4.	Civil Engineering	-	105	-	113	-	-	-	1	15	234
5.	Computer Applications	-	-	-	24	-	90	-	-	17	131
6.	Computer Science and Engineering	-	118	-	30	-	-	-	2	16	166
7.	Electrical and Electronics Engineering	-	111	-	56	-	-	-	5	16	188
8.	Electronics and Communication Engineering	-	110	-	57	-	-	-	2	20	189
9.	Energy and Environment	-	-	-	23	-	-	-	-	2	25
10.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	8	8
11.	Instrumentation and Control Engineering	-	105	-	-	-	-	-	1	16	122
12.	Management Studies	-	-	-	-	-	-	76	-	13	89
13.	Mathematics	-	-	-	-	-	-	-	-	7	7
14.	Mechanical Engineering	-	122	-	55	-	-	-	5	21	203
15.	Metallurgical and Materials Engineering	-	65	-	55	-	-	-	1	10	131
16.	Physics	-	-	-	26	24	-	-	-	11	61
17.	Production Engineering	-	101	-	59	-	-	-	3	26	189
TOTAL		50	907	18	540	44	90	76	20	225	1970

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 2018-19 are given below:

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M.Sc.	MCA	MBA	MS	Ph. D.	TOTAL
1.	Architecture	223	-	36	-	-	-	-	-	24	283
2.	Chemical Engineering	-	267	-	88	-	-	-	-	43	398
3.	Chemistry	-	-	-	-	47	-	-	-	55	102
4.	Civil Engineering	-	396	-	221	-	-	-	-	71	688
5.	Computer Applications	-	-	-	47	49	266	-	-	83	445
6.	Computer Science and Engineering	-	429	-	59	-	-	-	-	53	541
7.	CECASE	-	-	-	-	-	-	-	-	20	20
8.	Electrical and Electronics Engineering	-	417	-	104	-	-	-	-	69	590
9.	Electronics and Communication Engineering	-	424	-	108	-	-	-	-	95	627
10.	Energy and Environment	-	-	-	40	-	-	-	-	18	58
11.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	35	35
12.	Instrumentation and Control Engineering	-	400	-	-	-	-	-	-	58	458

13.	Management Studies	-	-	-	-	-	-	163	-	56	219
14.	Mathematics	-	-	-	-	-	-	-	-	14	14
15.	Mechanical Engineering	-	433	-	103	-	-	-	-	124	660
16.	Metallurgical and Materials Engineering	-	250	-	104	-	-	-	-	61	415
17.	Physics	-	-	-	38	51	-	-	-	74	163
18.	Production Engineering	-	390	-	113	-	-	-	-	107	610
TOTAL		223	3406	36	1025	147	266	163	0	1060	6326

5. 3. 1. SC/ST students on roll

Sl. No.	Programme	SC	ST
1.	B. Tech.	465	236
2.	B.Arch.	37	19
3.	M. Arch.	8	2
4.	M.Tech.	143	59
5.	M.B.A.	26	7
6.	M.C.A	45	21
7.	M.Sc.	17	6
8.	Ph.D.	109	19
9.	MS	7	-
TOTAL		857	369

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	50	41	41	43	48	223
2.	Chemical Engineering	70	68	60	69	-	267
3.	Civil Engineering	105	98	95	98	-	396
4.	Computer Science & Engineering	118	105	104	102	-	429
5.	Electrical & Electronics Engineering	111	105	99	102	-	417
6.	Electronics & Communication Engineering	110	104	107	103	-	424
7.	Instrumentation & Control Engineering	105	103	92	100	-	400
8.	Mechanical Engineering	122	104	103	104	-	433
9.	Metallurgical & Materials Engineering	65	61	60	64	-	250
10.	Production Engineering	101	94	97	98	-	390
TOTAL		957	883	858	883	48	3629

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	23	25	48
	Process control & Instrumentation	15	21	36
3.	Civil Engineering			
	Transportation Engineering and Management.	27	28	55
	Structural Engineering	28	28	56
	Environmental Engineering	23	23	46
	Construction Technology and Management	30	30	60
4.	Computer Applications			
	Data Analytics	23	22	45
5.	Computer Science & Engineering			
	Computer science and Engineering	25	30	55
6.	Electrical & Electronics Engineering			
	Power Electronics	27	22	49
	Power Systems	28	27	55
7.	Electronics & Communication Engineering			
	Communication Systems	28	27	55
	VLSI System	25	25	50
8.	Energy and Environment			
	Energy Engineering	23	17	40
9.	Mechanical Engineering			
	Industrial Safety and Engineering	26	27	53
	Thermal Power Engineering	26	21	47
10.	Metallurgical & Material Engineering			
	Materials Science and Engineering	16	12	28
	Welding Engineering	21	26	47
	Industrial Metallurgy	14	13	27
11.	Production Engineering			
	Industrial Engineering Management	28	27	55
	Manufacturing Technology	28	26	54
12.	Physics			
	Non - Destructive Testing	25	12	37
TOTAL		527	504	1031

5. 3. 4. MBA Students on Roll

Sl. No.	Department	I Year	II Year	Total
1.	Management Studies / MBA	76	87	163

5. 3. 5. MCA Students on Roll

Sl. No.	Department	I Year	II Year	III Year	Total
1.	Computer Applications / MCA	90	86	90	266

5. 3. 6. M.Sc. Students on Roll

Sl. No.	Department	I Year	II Year	Total
1.	Chemistry	20	27	47
2.	Computer Applications	24	27	51
3.	Physics	25	24	49
TOTAL		69	78	147

5. 3. 7. M.S. (by research) Students on Roll

Sl. No.	Department	2014	2015	2016	2017	2018	Total
1.	Chemical Engineering	1	-	-	-	-	1
2.	Civil Engineering	1	2	3	1	4	11
3.	Computer Science & Engineering	-	-	2	2	3	7
4.	Electrical & Electronics Engineering	0	3	4	5	2	14
5.	Electronics & Communication Engineering	1	2	1	2	-	6
6.	Instrumentation & Control Engineering	1	4	-	1	-	6
7.	Mechanical Engineering	6	7	9	5	1	28
8.	Metallurgical & Materials Engineering	1	11	-	1	1	14
9.	Physics	0	12	2	-	-	14
10.	Production Engineering	5	2	5	3	3	18
11.	Energy Engineering	0	-	2	-	-	2
12.	CECASE	3	13	5	-	-	21
Total		19	56	33	20	14	142

5. 3. 8. Ph.D. Students on Roll

Sl. No.	Department	2013	2014	2015	2016	2017	2018	Total
1.	Architecture	4	5	6	2	2	5	24
2.	Chemical Engineering	-	7	10	9	8	9	43
3.	Civil Engineering	4	13	10	11	18	15	71
4.	Computer Science & Engineering	3	6	9	8	11	16	53
5.	Electrical & Electronics Engineering	1	15	14	7	16	16	69
6.	Electronics & Communication Engineering	3	19	22	12	19	20	95
7.	Energy and Environment	-	1	4	5	6	2	18
8.	Instrumentation and Control Engineering	1	10	14	8	9	16	58
9.	Mechanical Engineering	5	21	21	32	24	21	124
10.	Metallurgical and Materials Engineering	1	10	17	12	11	10	61
11.	Production Engineering	1	7	18	26	29	26	107
12.	CECASE	3	6	9	1	-	1	20
13.	Management Studies	4	13	11	7	8	13	56
14.	Computer Applications	13	10	17	12	14	17	83
15.	Chemistry	2	11	12	10	7	13	55
16.	Physics	3	17	14	13	16	11	74
17.	Humanities and Social Sciences	2	5	3	4	13	8	35
18.	Mathematics	-	-	2	-	5	7	14
Total		50	176	213	179	216	226	1060

5. 4. CONVOCATION

The 14th Convocation of NIT, Tiruchirappalli was held on 28th July 2018. Prof. Anil D Sahasrabudhe, Chairman, AICTE delivered the Convocation address. The director quoted the ancient Tamil savant Tiruvalluvar (Kural no. 400): “Of all the riches one can amass, the wealth of learning alone is truly imperishable”, and emphasised that the best use of all wealth is to share it with those less fortunate. A total of 1689 candidates were awarded various. 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. Arch.	M. Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1.	Architecture	46	-	15	-	-	-	-	-	3	64
2.	Chemical Engineering	-	72	-	30	-	-	-	-	4	106
3.	Chemistry	-	-	-	-	26	-	-	-	10	36
4.	Civil Engineering	-	99	-	97	-	-	-	1	1	198
5.	Computer Applications	-	-	-	-	25	90	-	-	3	118
6.	Computer Science and Engineering	-	103	-	25	-	-	-	2	4	134
7.	Electrical and Electronics Engineering	-	105	-	41	-	-	-	4	10	160
8.	Electronics and Communication Engineering	-	106	-	52	-	-	-	3	6	167
9.	Energy and Environment	-	-	-	11	-	-	-	-	2	13
10.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	7	7
11.	Instrumentation and Control Engineering	-	98	-	-	-	-	-	1	5	104
12.	Management Studies	-	-	-	-	-	-	73	-	4	77
13.	Mathematics	-	-	-	-	-	-	-	-	7	7
14.	Mechanical Engineering	-	109	-	48	-	-	-	2	3	162
15.	Metallurgical and Materials Engineering	-	62	-	52	-	-	-	3	5	122
16.	Physics	-	-	-	13	28	-	-	2	5	48
17.	Production Engineering	-	101	-	53	-	-	-	3	9	166
TOTAL		46	855	15	422	79	90	73	21	88	1689

Total Number of Graduands (M. Tech. and M. Arch.) / Specialization wise

Sl. No.	Department	Specialization	No. of Graduands
1.	Chemical Engineering	Chemical Engineering	20
		Process Control and Instrumentation	10
2.	Civil Engineering	Transportation Engineering and Management	25
		Structural Engineering	22
		Environmental Engineering	24
		Construction Technology and Management	26
3.	Computer Science and Engineering	Computer Science and Engineering	25
4.	Electrical and Electronics Engineering	Power Systems	20
		Power Electronics	21
5.	Electronics and Communication Engineering	Communication Systems	28
		VLSI System	24
6.	Energy and Environment	Energy Engineering	11
7.	Mechanical Engineering	Industrial Safety Engineering	24
		Thermal Power Engineering	24
8.	Metallurgical and Materials Engineering	Welding Engineering	23
		Materials Science and Engineering	16
		Industrial Metallurgy	13
9.	Physics	Non-Destructive Testing	13
10.	Production Engineering	Manufacturing Technology	27
		Industrial Engineering and Management	26
11.	Architecture	Energy Efficient and Sustainable Architecture	15
TOTAL			437

5. 4. 2. Convocation Prizes

The following are the details of prizes awarded to the students at the 14th Convocation:

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

Department	Roll No.	Name	CGPA
Metallurgical and Materials Engineering	112114059	V Arthi	9.93

The Institute Medal 2018 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102114054	Shibashish Devidutta Jaydev	9.73
Civil Engineering	103114082	S R Girish Kumar	9.65
Computer Science and Engineering	106114101	Vedurupaka Naveen Kumar	9.62
Electrical and Electronics Engineering	107114068	Nanda Kishore V	9.72
Electronics and Communication Engineering	108114017	Ashwin R	9.69
Instrumentation and Control Engineering	110114018	Bindra Nishit Singh Navneet Singh	9.38
Mechanical Engineering	111114102	Tangsali Kaustubh Mahesh	9.68
Metallurgical and Materials Engineering	112114059	V Arthi	9.93
Production Engineering	114114074	Samruddha Kokare	9.58
Architecture	101113018	Jeslu Celine Jacob	8.99

The Institute Medal 2018 for the overall Highest CGPA in M.Tech.

Specialization	Roll No.	Name	CGPA
Chemical Engineering	202116003	Vinay Barnabas	9.09
Process Control and Instrumentation	202216002	Vonguri Kranthi Kumar	8.92
Transportation Engineering and Management	203116021	Varun Kumar Danda	9.35
Structural Engineering	203216002	Aparna Sathyapalan	9.35
Environmental Engineering	203416026	Preethi V	9.21
Construction Technology and Management	203516011	Saikerthana A	9.48
Computer Science and Engineering	206116007	Midhun P	9.95
Power Systems	207116003	Paila Lakshmana Rao	9.9
Power Electronics	207216016	Sreelakshmy J Menon	9.68
Communication Systems	208116010	Shaik Mahammad	9.68
VLSI System	208216008	Madala Lakshmi Renuka	9.97
Energy Engineering	202316003	Muthiah G	9.81
Industrial Safety Engineering	211216026	Ashima Sabu	9.9
Thermal Power Engineering	211316013	Haroon Al Zaman	9.44
Welding Engineering	212116024	Ilhar Ul Hassan M S	9.82
Materials Science and Engineering	212216014	Pande Snehal Dilip	9.35
Industrial Metallurgy	212316006	Sangeetha G	9.91
Non-Destructive Testing	213116014	Sreechand G S	9.86
Manufacturing Technology	214116004	Kachhadiya Aniket Mansukhlal	9.68
Industrial Engineering and Management	214216015	Prabhu S	9.48
Energy Efficient and Sustainable Architecture	201116005	Reshmi R	9.1

The Institute Medal 2018 for the overall Highest CGPA in M.Sc.

Specialization	Roll No.	Name	CGPA
Chemistry	204116002	Shravan R Kousik	9.84
Computer Science	216216003	Trupti Baliga B	9.75
Physics	213216003	Swathi S	9.59

The Institute Medal 2018 for the overall Highest CGPA in MCA

Specialization	Roll No.	Name	CGPA
Computer Applications	205115009	Gunjan Bhadani	9.76

The Institute Medal 2018 for the overall Highest CGPA in MBA

Specialization	Roll No.	Name	CGPA
Management Studies	215116021	Tryambak Chatterjee	9.38

5. 5. INSTITUTE DAY PRIZES

On the basis of academic performance, the following students were awarded Merit Prizes on the 56th edition of Institute Day held on 16th April 2019. Padmashri Prof. Deepak Phatak, from the department of CSE, IIT Bombay, was the Chief Guest.

5. 5. 1. Rank Holders (UG & PG)**B.Tech. / CHEMICAL ENGINEERING**

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

B.Tech. / CIVIL ENGINEERING

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

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	106114101	VEDURUPAKA NAVEEN KUMAR	9.65
	2	106114070	PRODDUTURI HEMANTH KUMAR REDDY	9.56
		106114011	ANUGRAHAA V R	9.56
	3	106114021	CHIDELLA VAGDEVI	9.53
2015	1	106115066	PRIYANKA PAL	9.82
	2	106115005	AISHWARYA NAIR	9.78
	3	106115003	ABHINAYA S B	9.73
		106115051	MADHAV SANKAR K	9.73
2016	1	106116007	AMAN KUMAR	9.56
		106116041	K A SUDHARSAN	9.56

2	106116088	SHUBHENDRA PAL SINGHAL	9.56
	106116002	AJISH SEKAR	9.53
3	106116081	SARAVANAN T	9.53
	106116066	RAJAT BHATTA	9.49

B.Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

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

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2014	1	108114017	ASHWIN R	9.86
	2	108114015	ARVIND NATARAJ S	9.63
	3	108114067	R HARIHARAN	9.6
		108114087	SHREYA RAJKUMAR	9.6
2015	1	108115073	RUPESH GUPTA	9.94
	2	108115063	PORVIKA BALASUBRAMANIAN	9.63
	3	108115062	P M MOHAMED MUZAFFAR	9.59
2016	1	108116107	YASHVANTH.L	9.87
	2	108116067	RAJIV RAMACHANDRAN	9.67
	3	108116089	SRIDHARSHINI M	9.65

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

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

	2	110116068	RAJU DEVANG BALRAJ	9.41
	3	110116069	R GOKUL RAJ	9.39

B.Tech. / MECHANICAL ENGINEERING

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

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

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

B.Tech. / PRODUCTION ENGINEERING

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

B.Tech. / I YEAR (2017)

Batch	Rank	Roll Number	Name	CGPA
2017	1	108117041	HIMANSHI GUPTA	9.94

		110117078	SHASHVAT JAYAKRISHNAN	9.94
	2	102117066	UPAMANYU PATTNAIK	9.91
		107117106	VISHESH BIYANI	9.91
	3	108117064	M PRANAV	9.89

B.Arch. / ARCHITECTURE

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

M.Tech. / CHEMICAL ENGINEERING

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

M.Tech. / ENERGY ENGINEERING

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

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

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

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

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

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	203216002	APARNA SATHYAPALAN	9.35
	2	203216026	JYOTHIS PAUL E	9.14
	3	203216014	ANANDU ARAVIND	8.95
2017	1	203217015	SHRUTI MITTAL	9.12
	2	203217031	THASLEEN N	9.05
	3	203217028	RENJITH KUMAR	8.79

M.Tech. / ENVIRONMENTAL ENGINEERING

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

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2016	1	203516011	SAIKEERTHANA A	9.48
	2	203516013	KAMANI SAWAN JAYANTILAL	9.23

	3	203516004	SUHANYA E	9.17
2017	1	203517010	SANCHARI BANERJEE	9.18
	2	203517014	MANISHITA DAS	9.17
	3	203517019	SHUBHAM SONI	9.05

M.Tech. / DATA ANALYTICS

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

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

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

M.Tech. / POWER ELECTRONICS

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

M.Tech. / POWER SYSTEMS

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

M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2016	1	208116010	SHAIK MAHAMMAD	9.68

	2	208116019	VINEETHA YOGESH	9.53
		208116020	INDULEKHA K P	9.53
	3	208116021	HARISH REDDY M	9.29
2017	1	208117003	SANKAR N NAIR	9.6
	2	208117025	SORAPALLI JNANA SUBRAHMANYAM	9.43
	3	208117005	RATHINA VEL S	9.38

M.Tech. / VLSI SYSTEM

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

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

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

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	211316013	HAROON AL ZAMAN	9.44
	2	211316025	DHEERAJ NARSIAN	9.41
	3	211316006	KARTIK BHANGALE	9.20
2017	1	211317019	SAURABH PRAJAPATI	9.57
	2	211317002	ABIN FRANCIS	9.16
	3	211317034	RAHUL JAISWAL	9.14

M.Tech. / MATERIALS SCIENCE AND ENGINEERING

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

M.Tech. / INDUSTRIAL METALLURGY

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

M.Tech. / WELDING ENGINEERING

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

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

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

M.Tech. / MANUFACTURING TECHNOLOGY

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

M.Tech. / NON-DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
	1	213116014	SREECHAND G S	9.86

2016	2	213116009	KRISHNARAJ K	9.45
	3	213116007	MITHUN P M	9.08
		213116008	JOYDWIP KARMAKAR	9.08
2017	1	213117001	ABIN SAJI	9.25
	2	213117008	VIGNESH K	9.1
	3	213117012	VEROTHI YESWANTH	8.95

M. Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

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

M.Sc. / COMPUTER SCIENCE

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

M.Sc. / CHEMISTRY

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

M.Sc. / PHYSICS

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

		213217016	KOWSALYA D	9.42
	3	213217009	KRISHNAPRIYA D	9.39

MBA / MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2016	1	215116021	TRYAMBAK CHATTERJEE	9.78
	2	215116027	GUNDLAPALLI SREEHARSH	9.72
	3	215116035	FAYHA ABDUL KAREEM	9.33
2017	1	215117047	IHZAZ.V	9.55
	2	215117012	AISWARYA PRINCE	9.2
	3	215117029	KRITIKA	9.16

MCA / COMPUTER APPLICATIONS

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

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.	102115060	SRIHARI S
		102115014	IYER SHWETA SHANKAR
		102115001	A MUTHUKRISHNAN
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.	103115020	DINKAR PARASHAR
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101113018	JESLU CELINE JACOB
4.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213117001	ABIN SAJI
5.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107115045	KOTNI TIRUMALA SAI AKHIL
6.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	112114059	V ARTHI
		112116028	KARTHIKEYAN H
		112116045	R DEVI JANANI

7.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108115073	RUPESH GUPTA
8.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102117066	UPAMANYU PATTNAIK
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110115009	ANAND M
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110115017	B RINU PREETHI
11.	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215117047	IHZAZ V
12.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215117034	TANKALA SHALENI GUPTA
13.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108115073	RUPESH GUPTA
14.	Karthik S Memorial Award For the First Rank Holder upto VII semester in B.Tech Production Engineering.	114115025	DIVAHAR J
15.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder upto VII semester in B.Tech. ECE	108115073	RUPESH GUPTA
16.	Late S. Doraiswamy Memorial Award For the First Rank Holder upto III semester M.Tech. industrial safety Engineering.	211217003	ADHIL MOIDEEN T
17.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	110117093	VAISHNAVI VENKATESWARAN
18.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112115005	AYUSH KHURANA
19.	Dr. T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc Physics in I and II Semester	213217012	ANIKET DEY
20.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108116107	YASHVANTH.L
21.	Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture	101114048	VIGNESH KIRAN
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture	This award is not given in this academic year due to change of the concerned subject from odd- semester to even semester. This will be resumed from the next academic year onwards.	
23.	S J Chainulu Medal of Excellence (For the First Rank Holder in First year)		
	Chemical Engineering	102117066	UPAMANYU PATTNAIK
	Civil Engineering	103117060	MUNINDAR JIVARAM AHIR
	Computer science and Engineering	106117032	ISHANI SRIVASTAVA

	Electrical and Electronics Engineering	107117106	VISHESH BIYANI
	Electronics and Communication Engineering	108117041	HIMANSHI GUPTA
	Instrumentation and Control Engineering	110117078	SHASHVAT JAYAKRISHNAN
	Mechanical Engineering	111117058	MANU AATITYA R P
	Metallurgical and Materials Engineering	112117028	MANAN ATUL SURAIYA
	Production Engineering	114117064	POLA VAMSI RAHUL
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215117020	GAYATHRI.V.C
25.	Prof. K. S. Pandey memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 th Semester and also be active in sports activities)	112115056	SHREYA RENGARAJAN
26.	Prof. K. S. Pandey memorial Academic Achievement Award for the academically best student based on CGPA at the end of five semesters of the B.Tech. (MME) programme	112116045	R DEVI JANANI
27.	Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai	112115005	AYUSH KHURANA
28.	Best NCC Cadet	112115025	MEGHNA NARAYANAN
		111115045	KOPPUSETTI CHAITANYA
29.	Dr. P. Subramanian award	102115060	SRIHARI. S
30.	Dr. S. H. Ibrahim memorial award	102115014	SHWETA SHANKAR IYER
31.	RECT'78 alumni medal for the best outgoing girl student	110115080	AMRUTHA S
32.	RECT'78 alumni scholarship	112117052	SRIPADA N V S S SAHITHI
		108117079	R K S TARUN

5. 5. 3. Alumni Awards

B.Tech. / B.Arch.

Sl. No.	Department	Roll Number	Name	CGPA
1.	Architecture	101114023	PRIYA S	9.67
2.	Chemical Engineering	102115060	SRIHARI. S	9.79
3.	Civil Engineering	103115020	DINKAR PARASHAR	9.54
4.	Computer Science and Engineering	106115005	AISHWARYA NAIR	9.75
5.	Electrical and Electronics Engineering	107115010	ARNAB BHATTACHARJEE	9.87

6.	Electronics and Communication Engineering	108115073	RUPESH GUPTA	9.93
7.	Instrumentation and Control Engineering	110115009	ANAND M	9.49
8.	Mechanical Engineering	111115088	SHAH SAUMYA PRAVINBHAI	9.67
9.	Metallurgical and Materials Engineering	112115005	AYUSH KHURANA	9.58
10.	Production Engineering	114115025	DIVAHAR J	9.38

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

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

	Physics			
9.	Non-Destructive Testing (M.Tech.)	213117001	ABIN SAJI	9.42
	Physics (M.Sc.)	213217012	ANIKET DEY	9.73
	Chemistry			
10.	Chemistry	204117001	M SAI SHRUTHI	8.93
		204117006	ATHIRA K M	8.93
	Management Studies			
11.	Master of Business Administration	215117047	IHJAZ.V	9.36
	Computer Applications			
12.	Master of Computer Applications	205116025	SUMAN CHOUDHARY	9.46
	Computer Science (M.Sc.)	216217021	SWAPNIL BHATTACHARJEE	9.53

5.5.4. Other Awards (Instituted by RECAL)

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

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 2018* (Threshold: 3 Publications)

S. No.	Department	Faculty	No. of Publications
1.	Chemical Engineering	Dr. P. Sivashanmugam	14
		Dr. T. K. Radhakrishnan	8.5
		Dr. G. Arthanareeswaran	7
2.	Chemistry	Dr. S. Anandan	24
		Dr. R. Karvembu	14.5
		Dr. S. Velmathi	10.5
3.	Civil Engineering	Dr. R. Gandhimathi	4
		Dr. S. T. Ramesh	4
		Dr. G. Swaminathan	4
4.	Computer Applications	Dr. S. R. Balasundaram	6.5
		Dr. G. R. Gangadharan	5.5
		Dr. U. Srinivasulu Reddy	4.5

5.	Computer Science and Engineering	Dr. N. Ramasubramanian	5.5
		Dr. E. Sivashankar	5.5
		Dr. B. Nithya	5
6.	Energy and Environment	Dr. M. Premalatha	8.5
7.	Electrical and Electronics Engineering	Dr. M. Jaya Bharata Reddy	8
		Dr. C. Nagamani	5.5
		Dr. M. P. Selvan	5
8.	Electronics and Communication Engineering	Dr. S. Raghavan	25.5
		Dr. R. Pandeewari	8
		Dr. S. S. Karthikeyan	7
9.	Humanities and Social Sciences	Dr. Sathyaraj Venkatesan	5.5
10.	Instrumentation and Control Engineering	Dr. M. Umapathy	10.5
		Dr. G. Uma	10
		Dr. N. Sivakumaran	3.5
11.	Management Studies	Dr. V. J. Sivakumar	3
		Dr. N. Thamaraiselvan	3
12.	Mathematics	Dr. R. Ponalagusamy	4.5
13.	Mechanical Engineering	Dr. S. Suresh	20.5
		Dr. T. Ramesh	4.5
		Dr. K. R. Balasubramanian	4
14.	Metallurgical and Materials Engineering	Dr. B. Ravisankar	12.5
		Dr. S. Kumaran	10.5
		Dr. K. Sivaprasad	8.5
15.	Physics	Dr. A. Chandrabose	12
		Dr. N.V. Giridharan	11
		Dr. D. Sastikumar	7.5
16.	Production Engineering	Dr. P. Sathiya	11
		Dr. K. Panneerselvam	10
		Dr. V. Senthilkumar	8

* Source: Web of Science & Scopus

5. 6. 2. Top Three Contributors in terms of number of Research Citations (Department wise) in 2018* (Threshold: 15 Citations)

S. No.	Department	Faculty	No. of Citations
1.	Chemical Engineering	Dr. G. Arthanareeswaran	238
		Dr. N. Anantharaman	173
		Dr. T. K. Radhakrishnan	158
2.	Chemistry	Dr. S. Anandan	703.5
		Dr. R. Karvembu	513
		Dr. S. Velmathi	363
3.	Civil Engineering	Dr. R. Gandhimathi	404
		Dr. S. T. Ramesh	167
		Dr. K. Muthukkumaran	27.5
4.	Computer Applications	Dr. A. Venkataswamy Reddy	332.5
		Dr. G. R. Gangadharan	53
		Dr. S. Nickolas	41.5
5.	Computer Science and Engineering	Dr. R. Leela Velusamy	21
		Dr. C. Mala	18

6.	Energy and Environment	Dr. M. Premalatha	86.5
		Dr. A. K. Bakthavatsalam	22.5
7.	Electrical and Electronics Engineering	Dr. Sishaj P. Simon	214
		Dr. C. Nagamani	172.5
		Dr. K. Sundareswaran	165.5
8.	Electronics and Communication Engineering	Dr. S. Raghavan	180.5
		Dr. R. Pandeewari	60
		Dr. P Muthuchidambaranathan	29.5
9.	Instrumentation and Control Engineering	Dr. M. Umapathy	78.5
		Dr. G. Uma	69.5
		Dr. N. Sivakumaran	56.5
10.	Management Studies	Dr. M. Punniyamoorthy	39
		Dr. N. Thamaraiselvan	25
		Dr. B. Senthil Arasu	17
11.	Mathematics	Dr. V. Ravichandran	76
		Dr. R. Ponalagusamy	48.5
		Dr. V. Lakshmana Gomathi Nayagam	34.5
12.	Mechanical Engineering	Dr. S. Suresh	544.5
		Dr. R. B. Anand	185
		Dr. T. Ramesh	108.5
13.	Metallurgical and Materials Engineering	Dr. K. Sivaprasad	240.5
		Dr. V. Muthupandi	228.5
		Dr. N. Ramesh Babu	224.5
14.	Physics	Dr. A. Chandrabose	488.5
		Dr. D. Sastikumar	160
		Dr. B. Karthikeyan	156
15.	Production Engineering	Dr. S. Vinodh	515.5
		Dr. R. Narayanasamy	398.5
		Dr. A. Noorul Haq	333

* Source: Web of Science & Scopus

5. 6. 3. Top Three Sponsored Research Projects in terms of the amount sanctioned (Department Wise) during 2018 – 2019* (Threshold: 5 Lakhs)

S. No.	Department	Principal Investigator	Funding Agency	Amount (Lakhs)
1.	Chemical Engineering	Dr. G. Arthanareeswaran	DST-IBCD & ASEAN-India	58.25
		Dr. M. Arivazhagan	DBT-Foldscope	8.00
2.	Chemistry	Dr. Ganesh Chandra Nandi	DST-INSPIRE & SERB-ECR	50.96
		Dr. Somenath Garai	SERB-ECR	38.06
		Dr. Sarthak Mandal	DST-INSPIRE	35.00
3.	Civil Engineering	Dr. Jeevan Joseph	SERB	28.86
		Dr. K. Muthukkumaran	ISRO-RESPOND	18.36

4.	Computer Science and Engineering	Dr. Kunwar Singh	DST-ICPS	20.44
5.	Electrical and Electronics Engineering	Dr. G. Saravana Ilango	SERB & IUSSTF-Bhaskara	54.38
		Dr. M. Jaya Bharata Reddy	SERB-CRG	31.57
		Dr. C. Nagamani (Co-PI)	SERB	54.38
6.	Electronics and Communication Engineering	Dr. S. S. Karthikeyan	SERB-IMPRINT	53.06
		Dr. D. Sriram Kumar	SERB-IMP	51.73
		Dr. G. Lakshmi Narayanan	ISRO-RESPOND	23.66
7.	Humanities and Social Sciences	Dr. R. Murugesan	MSDE	38.61
8.	Instrumentation and Control Engineering	Dr. P. A. Karthick	SERB-ECR	39.12
		Dr. R. Periyasamy	DST-SEED & DST-IDP	37.89
		Dr. Ramakalyan Ayyagiri	DRDL	10.16
9.	Management Studies	Dr. B. Senthil Arasu	ICSSR	20.00
10.	Mechanical Engineering	Dr. S. Vedharaj	SERB-ECR	43.06
		Dr. S. P. Sivapirakasam	DST-TDT-AMT & Industry Partner	39.05
		Dr. K. R. Balasubramanian (Co-PI)		
11.	Metallurgical and Materials Engineering	Dr. S. Natarajan	GTRE-CARS	96.85
		Dr. S. Kumaran	ISRO-RESPOND	21.19
		Dr. K. Sivaprasad	DRDO-NRB	30.05
12.	Physics	Dr. B. Karthikeyan	SERB-CRG	43.25
		Dr. Annapureddy Venkateswarlu	DST-INSPIRE	35.00
		Dr. Justin Joseyphus	SERB-CRG	20.06
13.	Production Engineering	Dr. M. Duraiselvam (Co-PI)	GTRE-CARS	96.85
		Dr. V. Satheeshkumar	SERB	17.17

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

5. 6. 4. Consultancy Projects in terms of the amount generated (Department Wise) during 2018 – 2019* (Threshold: 6 Lakhs)

S. No.	Department	Principal Investigator	Amount (Lakhs)
1.	Chemical Engineering	Dr. J. Sarat Chandra Babu	7.08
2.	Chemistry	Dr. V. M. Biju	12.91
3.	Civil Engineering	Dr. R. Jayasankar	54.18
		Dr. K. Muthukkumar	47.16
		Dr. S. Moses santhakumar	22.72
		Dr. V. Sunitha	18.69
		Dr. C. Natarajan	16.93
		Dr. K. Baskar	10.74
		Dr. S. T. Ramesh	6.43

4.	Electrical and Electronics Engineering	Dr. V. Sankara Narayanan	25.55
5.	Energy and Environment	Dr. M. Premalatha	6.83
6.	Metallurgical and Materials Engineering	Dr. N. Ramesh Babu	6.88
7.	Production Engineering	Dr. M. Duraiselvam	62.42
		Dr. V. Sateeshkumar	20.12

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

5. 6. 5. Special Achievement Awards for the Year 2018 – 2019*

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

5. 6. 6. Contributors in terms of Patent Filing 2018 – 2019

S. No.	Department	Faculty	No. of Patents Filed
1.	Chemical Engineering	Dr. T. K. Radhakrishnan	1
		Dr. P. Kalaichelvi	1
2.	Computer Science and Engineering	Dr. R. Leela Velusamy	1
3.	Instrumentation and Control Engineering	Dr. G. Uma	3
		Dr. M. Umapathy	3
4.	Mechanical Engineering	Dr. K. Sankaranarayanan	1
5.	Metallurgical and Materials Engineering	Dr. S. Muthukumaran	1
6.	Physics	Dr. B. Karthikeyan	1

*Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 7. Contributions in terms of Patent Granted in 2018*

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

*Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 8. Best Department

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

Engineering Discipline:

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

Non Engineering Discipline:

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

TLR: Teaching, Learning & Research

RP: Research & Professional Practice

GO: Graduation Outcome

OI: Outreach & Inclusivity

Based on the overall score, the following Departments were awarded under the best Department category:

Engineering Discipline:

- Department of Production Engineering
- Department of Mechanical Engineering

Non- Engineering Discipline:

- Department of Chemistry

5. 7. A FEW ACCOLADES

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

NIT Tiruchirappalli has been ranked first among all the NITs and 10th among all the Technical institutes in the country by the NIRF 2019 ranking system, moving up to the 24th position from the

34th position, pertaining to the overall ranking, and the 7th best for Architecture and 17th best for Management category. The Strategic Planning Group co-ordinated to achieve this recognition.

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

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

551 – 600: Computer Science and Engineering and Computer Applications

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

- **Singapore-India Hackathon-2018**

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



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

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

- **Green Award 2017**

National Institute of Technology, Tiruchirappalli has bagged Green Award 2017 from Tamil Nadu Pollution Control Board. Dr. C. Natarajan, Dean (Planning and Development), Dr. S. T. Ramesh, Professor, Civil Engineering and members from



Estate Maintenance Department coordinated to achieve this award.

- **Swachh Campus Ranking 2018**



National Institute of Technology, Tiruchirappalli is ranked 10th in the Swachh Campus Ranking 2018 under technical institution residential category. Dr. Samson Mathew, Dean (SW), Dr. Gopala Krishnan, Associate Dean (Planning and Development) and Er. Narayanan, Executive Engineer, Estate Maintenance Department coordinated to achieve this award.

6. FINANCIAL ASSISTANCE TO STUDENTS

6.1. FINANCIAL ASSISTANCE

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

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 two-thirds of the fee.

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	Notified by State Government
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	

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: (Refer NIRF document)

Sl. No.	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
1	B. Tech.	374	59	6
2	B. Arch.	7	4	-
3	M. Tech., M. Sc., and MBA	41	11	-
4	MCA	59	52	-

6. 2. FINANCIAL ASSISTANCE TO STUDENTS ADMITTED UNDER QIP

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

Summary (AY 2018 - 19)

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

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

Architects from across India congregate at NIT-T

DC CORRESPONDENT
TIRUCHI, JAN 30

The three-day national conference on "Recent Trends in Architecture and Civil Engineering Towards Energy Efficient and Sustainable Development" (NCA-CESD) by National Institute of Technology, Tiruchirappalli (NIT-T) began here on Thursday. It discusses widening the knowledge of sustainable developments through the participation of researchers, academicians, and professionals from all over India. Inaugurating the conference, An Vijay, vice president, Council of Architecture, New Delhi, pointed out that the building sector consumed lot of energy during construction as well as



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

operation phase. He wanted that the conference address the different facets of building sector that focus on sustainable and energy-efficient solutions, which will foster a better future. At present India faces a formidable challenge in reducing its dependence on fossil

fuel, natural resources, and energy supply infrastructure, he added. Dr. Gery said, "The main goal of this conference is to share and discuss solutions to achieve energy efficiency for sustainable development through architecture and civil engineering." Prof. M. S. Shaji Thomas, director, NIT-T speaking on the occasion said that the Institute has embarked on a growing initiative of the campus and its neighbourhood, known by the 'Green Campus' award from the Tamil Nadu Pollution Control Board. Dr. K. Thirumagan, Chair, NCA-CESD 19 in his welcome address said that around 100 participants, including professionals, researchers, and students across the country are participating in the conference, while Dr. L. Srikala, ex-chair, NCA-CESD 18, proposed a hearty vote of thanks.



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

7. 2. CHEMICAL ENGINEERING

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

Summary (AY 2018 - 19)

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



Pilot Plant Test facility



ICACSE 2018- Recognition to Alumni

7. 3. CHEMISTRY

Department of Chemistry trains about 1000 B.Tech. students per Year in branch specific Engineering Chemistry course. About 58 M.Sc. students and 60 research scholars specializing in Chemistry benefit from the advanced and varied research facilities available in the Department. The Department has the state of art Research labs (7 Nos), M.Sc. Labs (4 Nos.) and B.Tech. Labs (2 Nos.). The faculty members and the research scholars regularly publish their research findings in high impact journals. In the current year, 5 research scholars successfully defended their thesis. A National level students' symposium titled, "HORIZON" is conducted annually by the Post graduate students of Chemistry Department showcasing the academic, extracurricular and event managerial talents of the students, providing valuable platform for the students from other Institution to interact with the subject and research experts. Lot of foreign professors visit department of chemistry often.

Summary (AY 2018 - 19)

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



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



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

7.4. CIVIL ENGINEERING

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

Summary (AY 2018 - 19)

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



Dr. K. Muthukkumaran receiving Bharat Vikas Award 2018



Industrial Lecture on Intelligent Transportation System

7.5. COMPUTER APPLICATIONS

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

Summary (AY 2018 - 19)

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



1st and 2nd Sep Version 2018



27th and 28th October Optima 2018

7. 6. COMPUTER SCIENCE AND ENGINEERING

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

Summary (AY 2018 – 19)

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



October 2nd 2018 – Mahatma Gandhi's 125th Birthday celebrations



February 21st 2019 - Mathribasha Diwas Celebrations

7. 7. ELECTRICAL AND ELECTRONICS ENGINEERING

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

Summary (AY 2018 - 19)

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



20th National Power System Conference (NPSC) 14th – 16th December 2018



**Currents 2019
15.02.2019 to 17.02.2019**

7. 8. ELECTRONICS AND COMMUNICATION ENGINEERING

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

Summary (AY 2018 – 19)

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



ECE Department Golden Jubilee Year celebration-2018



Felicitation function of Prof. P. SOMASKANDAN – 29.07.2016

7.9. ENERGY AND ENVIRONMENT

Under the auspices of UK – India RECs Project: Energy Theme, Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (NIT-T) in 1995. Faculty had undergone training at various UK universities such as University of Salford, UMIST, Demonfort, Sheffield, Reading, Leeds and Building Research Establishment. CEESAT was renamed as Department of Energy and Environment (DEE) in 2014. The time of the department is shared equally between academic, research and consultancy activities. The consultancy activities are operated to generate surpluses without affecting the academic quality. The DEE facilities include the state-of-the art laboratories, equipped with sophisticated instruments and software. The ISO9001:2008 Certified labs are established in December 2014 with the objective of testing the research and industrial samples. NABL accreditation is obtained for calibration laboratory in February 2018. The major research activities at DEE include the areas of bio energy, solar energy, CO₂ sequestration using microalgae, phyco-remediation, Computational fluid dynamics, wind energy, energy efficient building design, and energy & environmental audit.

Summary (AY 2018 - 19)

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



Energaia 2k19, 21st March 2019



Guest lecture, 18th January 2019

7. 10. HUMANITIES AND SOCIAL SCIENCES

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

Summary (AY 2018 - 19)

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



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



FDP on “Empowering Teachers in 21st Century Skills Education”

7. 11. INSTRUMENTATION AND CONTROL ENGINEERING

Department of Instrumentation and Control Engineering was established in the year 1993. It offers one Under-Graduate programme (B.Tech.), one joint Post-Graduate programme M.Tech. (Process Control and Instrumentation) and also research programmes (M.S. and Ph.D.) in the various fields of Instrumentation and Control Engineering for both regular and part-time scholars. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels. Dr. C. Geetha awarded Young Woman Engineer Award 2019 by IEI, Tiruchirappalli Local Centre. Kamalesh Palanisamy (110117039) won first prize in Grand Finale of Smart India Hackathon 2019 - Software Edition, Vishal Gopinath (110116031) got internship in Science and Engineering (WISE), 2019 and DAAD Fellowship.

Summary (AY 2018 - 19)

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



Workshop on 'Basics and Advances in Electroencephalography'
April 6th and 7th, 2019



Technical Symposium of ICE Department- SENSORS 2018
(6th and 7th of October, 2018)
Capacity Building of Women Managers

7. 12. MANAGEMENT STUDIES

The Department of Management Studies (DoMS) was established in the year 1978. Since its inception, the mission of DoMS is focused towards enriching the society through education, research and consultancy. The proven strengths of DoMS are in the field of Business Analysis & IT Consulting and Business Analytics. DoMS also capitalizes resources of other engineering department of NIT-T in terms resource pooling and sharing for academic and research activities. The department also has a strong industry connect and the vast source of alumni network is the biggest asset that DoMS constantly leverages-on. The department has achieved a momentous breakthrough this academic year through the persistent performance of its faculty, students and research scholars in academics, co-curricular and extra-curricular activities. DoMS, NIT Trichy has been ranked 17th position under management category in NIRF rankings 2019 by Government of India. Consistently DoMS was ranked Top 5 in South India, Top 5 in ROI, and Top rated among the top 100 B-schools in India.

Summary (AY 2018 - 19)

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



Guest Lecture on “ Critical Thinking”



Panel Discussion with Experts from IIT Madras

7. 13. MATHEMATICS

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

Summary (AY 2018 - 19)

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



Professor K. Murugesan attended LEAP during 4-17th Feb, 2019



Department of mathematics celebrated International Mother Tongue Day on 21st Feb, 2019

7. 14. MECHANICAL ENGINEERING

The Mechanical Engineering Association (MEA) is an organization under the department of Mechanical Engineering at NIT Trichy, which, apart from Synergy, organizes events, workshops, guest lectures, and industrial visits. This year MEA has established the Mechanical Innovation Centre (MIC), which is a platform for the highly motivated students with an aim for innovation. Furthermore, MEA aims at structuring the Alumni network for the first time which is under discussions. Synergy is the National level annual technical symposium of the mechanical department of NIT Trichy. Conducted over a span of three days, the symposium is a celebration of the enigma that is mechanical engineering and every innovation pertaining to it. Playing host to a large-scale participation from numerous colleges of the country, it engages the brilliant minds with an array of workshops, events and guest lectures. Its main objective is to enhance the learning process by providing inventive insights to the cutting-edge innovations in the mechanical field. The department has consistently performed in Sportsfete (Inter-department sports fest) and NITTFEST (Inter-departmental cultural fest). This academic year, Mechanical Engineering has won the 1st place (Winners) in Sportsfete 18-19 and has secured 2nd place (Runner-up) in Nittfest' 19.

Summary (AY 2018 - 19)

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



Automobile Hand sketching workshop conducted in association with Ashok Leyland Ltd. (16th February 2019)



Interactive intern talks to prospective students by final year abroad interns (27th September 2018)

7. 15. METALLURGICAL AND MATERIALS ENGINEERING

The faculty members and students of MME department have contributed significantly in 2018-19 at various levels, both nationally and globally, to the growth of the department and the institute, and it has been once again a very productive year. Dr. S. Muthukumaran and his team has organised a one-week international workshop on 'Advancements in Welding Technology', in Collaboration with Royal Academy, UK during 19-23rd June 2018. A GIAN course on "Environmental Degradation in Power industry and its control", funded by MHRD, was conducted by Dr. N. Ramesh Babu in December 2018. Dr. K. Sivaprasad and his team has organised another one-week short-term course on 'Recent trends in Materials and Manufacturing engineering' during 10-15, December 2018. A total of 42 SCI and 7 Scopus indexed journal papers were published by the faculty members and their research scholars during the year 2018-19. Prof. B. Ravisankar has published 3 books on different topics of Metallurgy, which are most needed for undergraduate curriculum. Few faculties have also delivered invited talks at various conferences and academic institutions. A bunch of 3 girl students of the Final Year B. Tech. MME have won the prestigious 'Women of Mettle' award from TATA Steels. In addition, internships from various academic institutions and companies, both nationally and internationally, have been secured by the MME students, which include 9 students backing MITACS Canadian internship, 2 students backing both DAAD and SN Bose fellowship, and few others at Reliance and Axis Bank etc. Few research scholars of the department have attended various conferences and the proceedings were also published in nearly 10 Scopus indexed journals.

Summary (AY 2018 - 19)

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



International Conference on Materials and Manufacturing Methods, July 2019



International Workshop on Advancements in Welding Technology, 2019

7. 16. PHYSICS

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

Summary (AY 2018 - 19)

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



InPhyNitt – 2019 organized on 06-03-2019



Quality 2019 Organized on 06-03-2019

7. 17. PRODUCTION ENGINEERING

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

Summary (AY 2018 - 19)

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



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



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

7. 18. CENTRE OF EXCELLENCE IN CORROSION AND SURFACE ENGINEERING (CECASE)

CECASE has been growing from strength to strength in terms of its academic related and research activities. Since its formal inception in 2012, CECASE has bagged TWO projects. A sponsored Project from GTRE / DRDO on Surface Treatments and Mechanical Working On A 1 3003 alloys for oil-tank applications got successfully completed along with final report submission during May/ June 2018. (Project Cost: Rs.9.80 Lakhs). Very recently, another project has been granted to CECASE by GTRE/ DRDO, Bangalore Seven project staff (3 SRF+ 2 JRF+ 2 Project Technicians) have been recruited and presently ongoing. The Project Cost is Rs.96.84 Lakhs. The duration is for three years from Oct.2018 to Sep.2021). CECASE is six years old. So far it has produced 05 MS and one PhD. under part-time external category. It has been effectively collaborating with 15 industrial organizations (private and public sectors) in the fields of education, research and consultancy. CECASE is planning to become global.

Summary (AY 2018 - 19)

S. No.	Details	Total Nos.			
		SCI & SCIE			
1.	Articles	SCI & SCIE			10
2.	Conferences	Scopus	-	Others	-
3.	Sponsored Projects	No's	1	Amount(in lakhs)	Rs.96.84 lakhs
4.	Consultancy work carried out	No's	-	Amount(in lakhs)	-
5.	Ph. D. graduation	Awarded	-	Submitted	1
6.	Guest Lectures Organized by the Department at NIT, Tiruchirappalli / delivered by the Faculty	- / 1			



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



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

7. 19. TRAINING AND PLACEMENT

Notable T&P related achievements:

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

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

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

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

Summary (2018-19)

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



Inauguration of New Training & Placement Building 'CAPSTONE'



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

8. SPONSORED RESEARCH PROJECTS, MOUs AND PATENTS**8.1. SPONSORED RESEARCH PROJECTS (APRIL 2018 – MARCH 2019) / ON GOING**

Sl. No.	Name of Faculty	Co-Investigator	Funding Agency	Title of the Project	Date	Sanction Amount
Department of Chemistry						
1.	Dr. Ganesh Chandra Nandi	-	DST-INSPIRE	Sulfonimides: is Synthesis & Application in Synthetic and Biological Chemistry	17-08-2018	1400000
		-	SERB-ECR	Design, Preparations and Utilisation of Sulfonimidoyl Hydrazides as Novel Precursors to Construct Difficult-to-Access-Synthetically and Biologically Important Sulfoximines	18-03-2019	3696240
2.	Dr. Somenath Garai	-	SERB-ECR	Metal-Oxide Super-Fullerene Delivers a Versatile Platform for Catalytic Water Splitting Under Confinement: Investigating the Beauty of Encapsulation Chemistry Inside the Nano-Cavity	20-03-2019	3806240
3.	Dr. Sarthak Mandal	-	DST-INSPIRE	DST - Inspire Faculty Research Grant	24-07-2018	3500000
4.	Dr. Velmathi S	-	CSIR	Sense and Separate Strategy for Toxic Analytes Using Organic-Inorganic Hybrid Mesoporous Materials	01-05-2018	500000
Department of Chemical Engineering						
1.	Dr. Arthanareeswaran G	-	DST-IBCD	Development of new approach in wastewater treatment with self-cleaning membrane technology and regeneration of membranes via natural source for restoring water ecosystem	27-08-2018	2939520
		-	Asean-India	Reduction in greenhouse gas emission with synergistic mixed matrix membrane for CO ₂ separation	12-11-2018	2886000

Sl. No.	Name of Faculty	Co-Investigator	Funding Agency	Title of the Project	Date	Sanction Amount
2.	Dr. Arivazhagan M	-	DBT-Foldscope	IUSSTF Base Fellowship - Indo-US Base (Bhaskara Advance Solar Energy)	12-04-2018	800000
Department of Civil Engineering						
1.	Dr. Jeevan Joseph	-	SERB	The effect of soil-water retention behavior on the land use pattern for drought mitigation	28-03-2019	2885880
2.	Dr. Muthukumaran K	-	ISRO-RESPOND	Characterization of Lunarsoil Simulant for evaluating design criteria of Lunar structures.	20-08-2018	1836000
Department of Computer Science & Engineering						
1.	Dr. Kunwar Singh	-	DST-ICPS	Research & Development of Light weight Stream Cipher	14-12-2018	2043949
Department of Electronics and Communication Engineering						
1.	Dr. S.S. Karthikeyan	-	SERB-IMPRINT	Design and development of a dual bank RF Energy Harvester for Wireless Sensor Networks using Aerosol Jetting Technology	24-12-2018	5306224
2.	Dr. Sriram Kumar D	Dr. Gunavathi N Dr. Rao Hanumantha Patnam Prof. Vasudeven K	SERB-IMP	Development of Dense Deployable Massive MiMO antenna System for 5G wireless communication with reduced correlation / mutual coupling	21-02-2019	5173520 (3233450)
3.	Dr. Lakshminarayanan G	-	ISRO-RESPOND	Adaptive Telemetry System for Launch Vehicles - Demonstration of Proof of Concept	10-08-2018	2366000
4.	Dr. Varun P Gopi	-	SERB-EEQ	Automated Prediction of Alzheimer's disease from Optical Coherence Tomography Images of Retina Using Artificial Intelligence	27-02-2019	1946080
5.	Dr. Palanichamy P	Dr. Varun P. Gopi Asst. Professor	Vandi Technology, Singapore	Development of Traffic Monitoring Analytics and under Vehicle Scanning Inspection System	15-08-2018	900000 (562500)
6.	Dr. Malarkodi B	Dr. Rebekka B Dr. Gunavathi N	INTEL	Management of Entities in a distributed NFV marketplace using Blockchain	28-11-2018	656000 (410000)

Department of Electrical & Electronics Engineering						
1.	Dr. Saravana Ilango G	Dr. Nagamani C	SERB	Development of Modular Multilevel Converter for Enhancing Power Quality and PV output Power under Partial Shading conditions in Grid-connected PV System	23-07-2018	4847681 (3029801)
		-	IUSSTF-Bhaskara	Epidemiology Data Analysis and Visualisation (EPIDAVIZ) Project, Data Curaiton and Feature Engineering for Epidemiology Data Analytics & Building Healthcare Informatics Systems Utilising Web Data	10-08-2017	590500
2.	Dr. Jaya Bharata Reddy M	-	SERB-CRG	Realization and Implementation of Wide-Area Disturbance Monitoring and Protection Methodology for Future Grids using PMUs	27-03-2019	3156780
Department of Humanities						
1.	Dr. Murugesan R	-	MSDE	TOT towards capacity Building in Skills and Education (TOT-CBSE) a sustainable approach and new direction	05-02-2019	3861400
Department of Instrumentation and Control Engineering						
1.	Dr. P.A. Karthick	-	SERB-ECR	Development of nonlinear signal processing schemes for the assessment of neural and muscle functions	18-03-2019	3912120
2.	Dr. Periyasamy R	-	DST-SEED	Development and Validation of an Affordable Handheld Device for diagnosing compressive neuropathy by two point discrimination test in diabetic subject	28-09-2018	1924839
			DST-IDP	Development of non-invasive optical instrument based on skin relectance technique for monioring jaundice in neonates	13-10-2017	1863914

3.	Dr. Ramakalyan Ayyagiri	-	DRDL	Study Project on Development of Modern Control Laws for Cruise Missiles	27-06-2018	1016393
4.	Dr. Ezhilarasi D	Dr. G. Uma Dr. M. Umamathy	NPOL	Design and Development of Piezoelectric energy harvesting system integrated with electric circuit and storage	20-06-2018	980000 (612500)
Department of Management Studies						
1.	Dr. Senthilarasu B	Dr. P. Sridevi Dr. N. Thamaraiselvan	ICSSR	A systematic approach to financial distress prediction and NPA management of MSME in India	15-04-2018	2000000 (1250000)
Department of Mechanical Engineering						
1.	Dr. Vedharaj S	-	SERB-ECR	Study on High Efficiency Pre-Chamber Combustion Concept to Extend Gasoline Lean Limit in a Constant Volume Combustion Chamber	11-03-2019	4305860
2.	Dr. Sivapiraksam S P	-	DST-TDT-AMT & Industry Partner	Development of Nano composite coating on MMAW electrodes for reduction of hazardous constituents in welding fumes	12-09-2018	3905000 (2440625)
Department of Metallurgical and Materials Engineering						
1.	Dr. S. Natarajan	Dr. M. Duraiselvam Dr. S.P. Kumaresh Babu	GTRE-CARS	Depth Investigation on Corrosion & Tribological Studies on Expendable Engine	11-10-2018	9684960 (6053100)
2.	Dr. Kumaran S	-	ISRO-RESPOND	Structure and Mechanical Properties of Ultra-Fine Grained Cu-Cr/Cu-Cr-Ti Alloy processed by Equal Channel Angular Processing	02-05-2018	2119000
3.	Dr. Sivaprasad K	Dr. Muthupandi V Shri E. Bhaskara Rao, Scientist D, NSTL [Lab Co-ordinator]	DRDO-NRB	Development of High Strength cast Al-Si Alloy Based composite reinforced with high entropy alloy particles for naval torpedo applications	13-07-2018	3005000 (1878125)
4.	Dr. Jerome S	-	ISRO-RESPOND	Weldability studies on Inconel 718	16-06-2018	984000

Department of Physics						
1.	Dr. Karthikeyan B	-	SERB-CRG	Multiple Exciton Harvesting at Zero-Dimensional/Two-Dimensional (ZnO/MoS ₂)-Polymer Heterostructures	19-03-2019	4325255
2.	Dr. Annapureddy Venkateswarlu	-	DST-INSPIRE	Conversion of Waste Energy into useful Electricity for Wireless Sensor Nodes	13-12-2017	3500000
3.	Dr. Justin Joseyphus	-	SERB-CRG	Thermoablation mechanism in core-shell nanoparticles with highly magnetic FeCo Core	29-03-2019	2006400
Department of Production Engineering						
1.	Dr. Satheeshkumar V	-	SERB	Development of Tailor made spur gears for light weight and heavy duty power transmission systems	18-09-2018	1716950

8. 2. MoUs (APRIL 2018 – MARCH 2019)

Sl. No.	Title of MOU	Timeline (Date Of Effect)	Duration
1	Texas Instruments India Private Limited (TI), Bangalore	16-09-2019	3 years
2	Tamilnadu National Law University (TNLU), Trichy	16-08-2019	5 years
3	Indian Space Research Organisation (STIC & ISRO), Bengaluru	29-05-2019	2 years
4	BHEL, Trichy	08-04-2019	8 months
5	Airports Authority of India (AAI), New Delhi	16-01-2019	Indefinite
6	TATA Steel Ltd, Mumbai	24-10-2018	3 years
7	Society for Electronic Transaction and Security (SETS), Chennai	20-09-2018	5 years
8	Indian Institute of Technology Bombay (IITB), Bombay	14-08-2018	5 years
9	Semi-Conductor Laboratory (SCL), Punjab (near Chandigarh)	08-06-2018	10 years
10	Indian Institute of Technology Mandi (IIT Mandi), Himachal Pradesh	01-06-2018	5 years
11	The Institute of Electrical and Electronics Engineers (IEEE), Incorporated, Purdue	25-05-2018	1 year
12	Tata Motors Limited, Bombay	17-05-2018	5 years
13	BHEL, Trichy	20-04-2018	5 years

8.3. PATENTS

S. No.	Title of Invention	Inventor(s) name	Publication date
1	A Mirror and Panel Assembly for a Solar Photovoltaic System & Method Thereof	1. DR. Sishaj P. Simon 2. DR. K Sundareswaran 3. DR. P. Srinivasarao Nayak 4. Mohammed Mansoor. O	01-03-19
2	A Novel Flux Composition for the Stainless-Steel Smaw Welding Electrodes	1. DR. S.P. Sivapirakasam 2. MR. Vishnu B R 3. DR. Sreejith Mohan 4. MR. R.K. Raajesh Kannan	01-03-19
3	A System and Method for Extracting Maximum Power in Thermoelectric Generators	1. Bepinkumar Bijukumar 2. Manickam Chakkarapani 3. Ganesan Saravana Ilango 4. Chilakapati Nagamani 5. Kannan Srinivasan	20-07-18
4	Airbag Gas Generants Comprising Layered Copper Hydroxy Nitrate Nanosheets	1. DR. S.P. Sivapirakasam 2. DR. S. Anandan 3. S. L. Aravind 4. DR. M. Surianarayanan	11-01-19
5	Biodiesel from Aegle Marmelos Correa and a Method Thereof	1. DR. R. Anand 2. T. Vinoth	11-01-19
6	Complex Multiplier Based Signal Processing System and Method Thereof	1. X. Antony Xavier Glittas 2. G. Lakshminarayanan	11-01-19
7	Double Shoulder Friction Stir Processing Tool for Coating Applications	1. DR. S. Muthukumaran	07-06-19
8	Drowning Detection System and Method Thereof	1. DR. K. Srinivasan 2. MR. Ajil Roy 3. MR. Vijay R.	22-03-19
9	Electrical Conductivity Enhancement of Low Conductivity Fuels by Nano Additives	1. DR. S. P. Sivapirakasam 2. S. Nandakumar 3. DR. J. Hemalatha 4. DR. V. Anbazhagan	23-11-18
10	Electrical Conductivity Enhancement of Low Conductivity Hydrocarbon Fuels by Bio-Additives	1. DR. S. P. Sivapirakasam 2. S. Nandakumar	30-11-18
11	Friction Brazing/Soldering Tube To Tube Plate Using a Tool and a Method Thereof	1. DR. S. Muthukumaran 2. MR. C. Maxwell Rejil	11-01-19
12	Friction Welding of Tube To Tube Using a Guide Tool	1. DR. S. Muthukumaran	21-12-18
13	Industrial Helmet for Welding Fume Expulsion and Method Thereof	1. Dr. S. P. Sivapirakasam 2. K. Harisivasri Phanindra 3. Vishnu.B.R	30-11-18
14	Latent Heat Thermal Energy Storage System Utilizing Phase Change Material for Improved Indoor Air Quality	1. PROF. A. K. Bakthavatsalam 2. P. Dhamodharan	11-01-19
15	Membrane for Water Filtration and Method Thereof	1. S. Muthukumaran 2. G. Arthanareeswaran	01-03-19
16	Method for Preparing Ibuprofen Crystals Using a Green Solvent and Product Thereof	1. T.K. Radhakrishnan 2. P. Kalaichelvi 3. S. Karthika	16-08-19

17	Method for Removal of Nile Blue Dye from Waste Water	1. Dr. B. Karthikeyan	25-01-19
18	Natural Fibre Reinforced Industrial Safety Helmet	1. Dr. K. Sankaranarayananamy 2. Kenned Jack Joseph	11-01-19
19	Novel Reaction Chamber for Collection of Decomposition Residues of Pyrotechnic Compositions and Method Thereof	1. Dr. S. P. Sivapirakasam 2. K. Harisivasri Phanindra	30-11-18
20	Smart Bi-Lateral Pedal Module	1. Josephine Selvarani Ruth D. 2. Dhanalakshmi K.	03-08-18
21	Smart Load Node System for Operating an Appliance and Method Thereof	1. Shashank Singh 2. Amit Roy 3. M. P. Selvan	01-03-19
22	Synthesis of Carbon Supported Calcium Methoxide Green Catalyst from Senna Siamea Pod for Biodiesel Production	1. DR. R. Anand 2. T. Vinoth	23-11-18
23	Variable Volume Mini Tank Testing Equipment and Method of an Airbag Chemical Performance Test	1. DR. S. P. Sivapirakasam 2. K. Harisivasri Phanindra 3. T. Dayananda 4. DR. K.R. Balasubramanian	23-11-18
24	Wireless Vehicle Monitoring System and Method Thereof	1. Leela Velusamy R 2. Guravaiah Koppala	04-05-18
25	A Natural Fiber Processing Technique for Uniform GSM Fabrics	1. Dr. K. Sankaranarayananamy 2. Kenned Jack Joseph	07-06-19
26	Solar Reverse Thermoelectric Power Generation System and Method Thereof	1. Dr. Sivan Suresh 2. Krishnadass Karthick 3. Grashin Chakkramakkil Joy	07-06-19
27	Real-Time Digital Fault Monitoring System for Transmission Lines in Autonomous Power Grids and Method Thereof	1. Dr. M. Jaya Bharata Reddy 2. Dr. Gopakumar Pathirikkat	14-06-19
28	A Solid Waste Barrier Liner Composition for Landfill with Clay and Microsilica	1. G. Venkatesan 2. G. Swaminathan 3. S. Lakshmana Prabu	01-11-19
29	Biodiesel from non-edible semecarpus anacardium seed oil and method thereof	1. Dr. R. Anand 2. T. Vinoth	13-12-19

9. CENTRAL FACILITIES

9.1. COMPUTER SUPPORT GROUP (CSG)

Computing Resources:

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

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



Hardware (Rack Servers / Networking Peripherals)

Internet Access:

NITT is connected to the Internet via 1Gbps shared connectivity by National Informatics Centre (NIC) using Bharat Sanchar Nigam Ltd (BSNL) and Railnet as a part of National Knowledge Network (NKN) and National Mission on Education through Information & Communication Technology (NME-ICT) and 300 Mbps (1:1) leased line from Software Technology Park of India (STPI). Network security is provided through UTM appliance (Sonic Wall) and two Email Security appliances (Sonic Wall ES8300).

Currently Wi-Fi facility is available at Guest House, T&P, Library, Admin block, Deans Block, Dean Academic Office, Lecture Hall Complex, LYCEUM, OJAS, IT Centre, Hostel Office, Shopping

Complex, Hospital using Ruckus Access Points. All the 27 Student Hostels have been provided 600 HP Wireless Access Points (WAP) to enable students to access Internet and Intranet from their laptops. There are about 220 switches, chiefly Extreme switches, located in 34 different buildings and 27 hostels. Network expansion still continues and work is on for making the campus Wi-Fi by deploying more number of Access Points.

Laboratories:

The Octagon Computer centre has 7 laboratories with totally 400 high-end computers. All the laboratories (except Internet Lab) are open 24 x 7. Labs are used by B.Tech., M.Tech., M.S., and Ph.D. research scholars for their regular laboratory classes, to supplement the classroom lectures, to carry out their projects, and to develop their professional skills. The First Year laboratory consisting of 99 systems is used exclusively by the students for their C, C++ Programming, and Engineering drawing courses.



Internet Laboratory

Library & Printer Room:

The Computer Centre Library has a collection of 5819 books & manuals, 3639 Software CDs, Journals, and 200 Project Reports. The printer room is equipped with a Network High Speed Laser Printer for and Students. A 50 PPM A3 High Speed Mono Laser Printer and a 60 PPM A4 Mono Laser Printer have been installed. Printouts are nominally charged to cover the operating costs.

A/C Units and Power Backup UPS:

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

Management Information System:

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

Members of Computer Support Group:

The CSG consists of a professionally qualified and skilled team of Hardware, CAD/CAM, Software, Network Engineers, Technical Officers, Data Entry Operators, Computer Operators, and ad-hoc

System Trainees. The Assistant engineers and Technicians are responsible for maintaining the air-conditioning units. There are about 1700 concurrent systems, and on an average everyday about 20 service calls are attended by the trainees. The activities inside the laboratories in the CSG are completely monitored security cameras. Further, the CSG is guarded by security personnel round the clock.

In addition to the above, the CSG undertakes

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

9. 2. SPACE TECHNOLOGY INCUBATION CENTRE (S-TIC)

ISRO launched the SPACE TECHNOLOGY INCUBATION CENTRE at NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCIRAPALLI to enable start-ups to build applications and products that could be used in future space mission. This first-of-its-kind incubation centre in southern India aims at developing innovative indigenous technologies that could be used for ISRO projects and help to significantly cut down the cost. The centre focuses on incubating start-ups to build market ready viable product in tandem with the industry.

S-TIC is a novel concept conceived by the ISRO to tie-up with stakeholders spread across academia, industry and research institutions in different regions of the country. S-TIC will provide projects of importance on ongoing and futuristic ISRO programmes to research, post graduate and under graduate students.

This Centre is expected to inculcate the much-required research culture among the student community. The final year students will be exposed to the challenges faced by ISRO and the proof of concept or prototype developed by them will be validated through partner industries.

The centre is also expected to bring the industry, academia and ISRO under one umbrella to contribute towards the research and development (R&D) initiatives relevant to the country's space programme. The products developed by students will be validated and tested in the ISRO facilities. If qualified, the products will be inducted in the ongoing ISRO projects with a buyback arrangement.

At Large, the centre motivates students to think differently to initiate start-up enterprises, which can generate employment. This Trichy centre will encourage space-related research activities in southern region

R & D Projects:

The relevant R& D Projects will be initiated by different centres of ISRO to cater the future needs of the country space technology requirement. So far, seven projects have been received from the various R & D centres of ISRO across the country. For each project, team of faculty members have submitted the proposal and initiated the activities.

Utilisation of NITT facilities:

The existing facilities, liberties and expert faculties of NITT will be utilized by S-TIC for solving the Projects undertaken in the southern region.

Funding:

ISRO will provide a Grant-in aid of Rs 2.0 Cr to NITT as seed Money for setting up of S-TIC. This seed money will be partly utilised for facility augmentation to cater the needs of the projects taken from ISRO. Major part of the seed money will be utilised for carrying out the research activities of the projects undertaken by ISRO.

9. 3. CENTRAL LIBRARY



Statistical data of the library holdings as on 20/03/2019:

Library Books	: 129280
Journals subscribed	: 164
Back Volumes	: 17690
Daily News Papers	: 15
Reports	: 8564
B.I.S.	: 17454

Video cassettes	: 1504
Audio cassettes	: 31
CD-ROM databases	: 3000+
Thesis & Projects	: 790
No. of Databases Subscribed through INDEST Consortium	: 10
No. of E-Journals Subscribed	: 8000+
E-books titles accessible through Springer (India) Pvt.Ltd. & CUP	: 7255
NPTEL – Video and Web Courses	: 260+

Library space and ambience:

Carpet area of Library	: 9094 Sq. m.
Reading Space	: 400 Sq. m.
No. of seats in Reading space	: 300
No. of users (book issues)	: 300 per day
No. of users (reading space)	: 400 per day

Timings and usage:

Academic (Working day)	: 9.00 a.m. to 9.00 p.m.
Academic (Weekend)	: 9.00 a.m. to 5.00 p.m.
Vacation	: 9.00 a.m. to 5.00 p.m.

Qualified librarian and other staff:

No. of Library staff	: 8
Degree holders in Library Mgmt.	: 4

Computerization for search, indexing, issue/return record:

Library functions are automated using the LIBSYS Integrated Library Software. OPAC – Online Public Access Catalog has been created and accessible through Intranet. Online Access and



Networking are also available. Bar-coding has been used for RFID –Technology & Library Security Solution has also been implemented. Library services are available on internet/intranet too. Memberships like INDEST, ESS, DELNET, IASLIC, ILA are available and back volumes of Journals are available as archives.

The Institute has a modern Central Library with more than two and half lakhs of documents including Reports, Standards, Back Volumes of Journals and subscriptions to more than 164 Print periodicals.

The Institute Library has a Digital Collection of more than 8000+ full text e-journals through ESS Consortia as well as under Institute arrangement and 7000+ Springer, OUP, Wiley, IETE and CUP e-books on perpetual access model. The Audio-Visual Section of the Library holds more than 1500 educational Video cassettes and 3000+ CD-ROMs. The Library holds 17,080 books in the Book Bank Scheme. The Digital Knowledge Centre at the Central Library is providing digital knowledge service to the users provided with 70 PCs along with Internet and Wi-Fi facilities. All the functions of the Library have been automated by the integrated Library software called 'LIBSYS'. Faculty and the research Scholars can also borrow books / reprints under Inter Library Loan through INDEST as well as DELNET. RFID Library Security Solutions and the Circulation System have been implemented. A total of 35 CCTV Web Cameras have been fixed in all the Stacks and at the Entrance for Surveillance purposes. The Institute holds British Council Library Membership.

Library Automation:

The Library functions are automated using an integrated Library Software called "LIBSYS" with the following main modules for the Library in-house operations:

- Acquisition System
- Cataloguing System
- Circulation System
- Periodicals
- OPAC

RFID Technology:

RFID Technology of Document Identification and Library Security System have been implemented for the library functions and services from 29th March 2013, along with the following facilities:

- RFID Tags for protecting the documents
- RFID Reader for Circulation transactions
- RFID Antenna Alarm Gate.

OPAC [ON-LINE PUBLIC ACCESS CATALOG]:

The Online Public Access catalog allows for the access of bibliographic databases of the books, Reports, CD-ROMs and journals available in the central library. The catalog includes a word-based search facility using Boolean operators that can narrow down a search to meet very specific needs. Additional features of this catalog are:

- Periodic list of recent additions to the library.
- Members can find the materials checked out to them.
- Details of the status of the Books can be accessed while browsing and searching for information.

The OPAC can be accessed by using the Intra-net facility available through LAN under the following IP address and options:

- IP address: <http://library.nitt.edu:8080/webopac/>
- <http://www.nitt.edu>

Photocopying facility:

Photocopying/Xerox facility (both colour and normal) is available for the users of the Library with a reasonable charge of 0.50 paise per page for Ordinary copies, and Rs. 25/- per page for getting Color Xerox copies.

Library facilities & services:

- Web OPAC Service [Online Public Access Catalog (Web OPAC) can be accessed through Intranet IP address: <http://10.0.0.132>
- Bulletin Board service
- Current awareness service
- CD-ROM search service
- Audio-Visual service (Educational cassettes)
- Membership to external agencies and individuals
- Holding British Council Library Institutional membership
- Inter Library Loan services through DELNET
- Document Delivery Service (photocopies of articles) from IITs through JCCC interface for promoting research & development
- Providing access to more than 8000+ on-line e-journals through ESS Consortia and access to more than 700+ Springer, OUP, Wiley, IETE & CUP e-books service
- General and Textbooks Reading services.

Document Delivery Services:

Document Delivery Services are providing through DELNET & JCCC@ INDEST & ESS consortia. Holding British Council Library Institutional Membership.

Audio-Visual Section:

The Audio-Visual Section is equipped with a Microfilm Reader, Lingua phone Laboratory, Audio Cassette Players, Colour Television Sets, Video Cassette Recorders and over 1500 Educational Audio & Video cassettes. Discs on almost all foreign languages are available in the library. Students use the record players and computers for preparing for TOEFL and GRE examinations.

Digital Knowledge Centre:

Digital Knowledge Centre (e-Learning Centre) has been established to facilitate e-Learning. Digital Knowledge Centre (UG & PG) has been equipped with 70 latest model personal Computer systems with DVD-RW Drive, with Internet, Intranet and Wi-Fi facilities.

CD-ROM Workstation:

There is a good collection of more than 10 databases and 3000+ CDROMS in the central library. The library has been subscribing to DIALOG ON DISC Compendex Plus (Engineering Index) CD-ROM

database from 1987 to date and now it is known as K R INFORMATION ON DISC. Under the Centre of Excellence scheme the library has procured McGraw Hill Multimedia Encyclopedia of Science and Technology on CD-ROM. With the introduction of CD-ROM work-station, the world of Engineering literature is at one's finger tips. The CD-ROM is really a boon for literature survey, especially for research scholars. CD- ROM works on a set of menus which is user friendly.

CCTV – Web camera surveillance:

35 Nos. of CCTV Network Cameras have been fixed in all the floors and stacks of the Central Library to avoid Book theft and other mal-practices and the entire building is under CCTV camera surveillance.

9. 4. SIEMENS CENTRE OF EXCELLENCE IN MANUFACTURING

Siemens CoE at NIT, Trichy was established in 2018 at a total outlay of Rs. 193 Crores. This CoE is intended to bridge today's gap between industry requirements and technical education, and provides solution that makes technical Institutes be more aligned with industry needs and make engineering graduate students industry ready. There are 12 sophisticated Laboratories spanning over 12,000 sqft through which we offer skill development courses, R&D and consultancy services:

- Robotics Lab
- CNC Machines Lab
- CNC Controller Lab
- Advanced Manufacturing Lab
- Rapid Prototyping Lab
- Test and Optimisation Lab
- Design and Validation Lab
- Mechatronics Lab
- Internet of Things Lab
- Process Instrumentation Lab
- Automation Lab
- Electrical and Energy Savings Lab

9. 5. 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.

9. 6. IPR CELL ACTIVITIES

National Institute of Technology, Tiruchirappalli (NIT Trichy) 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.

In the last one year five workshops have been conducted to create IPR awareness among the faculty, research scholars and students. Forty patent applications have been filed though IPR Cell by the faculty and research scholars and the faculty who have filed patents were awarded during institute day celebration. A global elective entitled MT048 Intellectual Property Rights has been introduced to Under Graduate students and hundred students from all the branches have registered and perusing this academic year.

9.7. 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 building 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, behavioural development and adaptability 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 available at our campus hospital



Some of the services rendered are:

- Identifying the abilities of students and help them to develop it.
- Helping students to sort out and solve interpersonal, educational and psychological issues.
- Showing ways of developing positive attitude to meet out the challenges.
- Helping them to recognize their strength and overcome the weaknesses.
- Providing strength-based approach in treatment, planning and focused on optimal psychosocial care
- Help is provided through individual counselling, group therapy, family counselling and crisis counselling.

An online counselling and emotional support platform designed to foster mental wellness has been initiated recently named yourdost.com which was launched on 6th August 2019. It anonymously connects individuals with the right expert consisting of psychologists, psychotherapists, counsellors, life coaches, career guides and people with rich and deep life experience, who understand individuals and guide them through completely confidential individual sessions. The counselling includes:

- Online chats
- Video Sessions
- Audio Sessions
- Awareness Webinars

- Awareness Workshop

There are around 1000 counsellors available round the clock online, and is being used by all the members of the NIT-Trichy community, who have a valid Roll Number.

9. 8. HOSPITAL

The 10 bedded Institute Hospital is equipped with Casualty, OP & IP facilities, 24 hours' pharmacy and a clinical laboratory, functioning in the well-established new building from 19.02.2007. The Hospital is working round the clock on all days with 8 Medical Officers and facilities like O₂ cylinder, Nebulizer, Suction, ECG, Ultrasonography and Autoclave are available. 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.

Institute Medical Officers:

- Dr. R. Priyanka, MBBS
- Dr. S. Moorthy, MBBS

Temporary Medical Officers:

- Dr. K. Afrina Mehaboo, MBBS
- Dr. Paul Raj, MBBS
- Dr. Naveen karthik, MBBS
- Dr. B. Khavia, MBBS
- Dr. Praveen, MBBS
- Dr. U. Archana, MBBS.
- Dr. A. L. Aruthy, MBBS.
- Dr. T. Arun Bharathi Kannan, MBBS

Visiting Consultants (2018-19):

- Dr. Anu Rekha MBBS, M.D (Gen. Medicine)
- Dr. A. Sethuraman, BSc, MBBS, MD (Gen. Medicine)
- Dr. K. Ananth, MBBS, MD (Paediatrics)
- Dr. Vinoth Rayar, MD (Radiologist)
- Dr. G. Swamynathan, MBBS, MS (Ortho)
- Dr. R. Amutha, MBBS, MD (Dermatology)
- Dr. Keerthana Priyadharshini, MBBS, DNB (Obstertrics& Gynaecology)
- Dr. Sweetha, MBBS, DPM (Psychiatry)
- Dr. Vijay Pradap, MBBS, MD (E.N.T)
- Dr. Mohamed Mansoor, MBSS, DNB (Gen.Surgery)
- Dr. Sujatha, MBBS, MD (Ophthalmology)

- Dr. S. Vignesh, MDS (Endodontist) - Dentist
- Dr. Abinaya (Ayurveda)
- Dr. Ayyalammai (Homeopathy)
- Mr. P. Venkateswaran, BPT, MSc (Yoga) - Physiotherapist
- Ms. Bhuvana, BPT (Physiotherapist)

A Report of the significant events in 2018 – 2019:

- Vitamin A solution is given to mothers with infants below 6 months of age and children below 5 years. This event is organized by the NITT Hospital Team and GH staff of Thuvakudi, Trichy on the fourth Wednesday of every month.
- EEG- MACHINE bought by Dr.Sridevi, faculty ICE Department for Medical Research was inaugurated in the Hospital by the Director Dr. Mini Shaji Thomas and Senior Neurologist Dr. Radhakrishnan (Formerly Dean, Sree Chithirai Thirunal Medical Institute, Trivandrum) on April 19, in the presence of the Institute Medical Officers and the staff.
- Radiofrequency electro cautery machine (for Dermatology procedure), worth Rs. 28,000 was purchased and installed in the Hospital on April 11.
- For initiating the use of MIS in the Hospital for making the hospital operations paperless, 13 used computers were received in the Hospital from the CSG Department on June 8, and 4 new computers were received from Dean ID office on July 12, and were installed in the Hospital consultant rooms.
- NITT Hospital team, Government Hospital Team, NSS and Students council of NITT conducted the blood donation camp on September 1, at the NITT Hospital and the blood bags were given to Government Raja Mirasudhar Hospital, Thanjavur.
- NITT Hospital Team along with Joseph eye hospital and NSS of NIT, Trichy, conducted a General Health check-up and Eye check-up camp for school children in Aachampatti Village, adopted by NITT, in Govt. High School Aachampatti on September 14.
- NITT Hospital Team, NSS students of NIT, Trichy, in association with Joseph eye hospital Trichy conducted Eye check-up camp for the faculty, staff and students of NIT Trichy on September 29.
- Physiotherapy equipment (Short-wave Diathermy) worth Rs. 1,20,000, and equipment for LASER therapy, worth Rs. 1,30,000, were purchased and installed in the Hospital on October 15.
- Annual Medical camp for NIT Nursery School students was conducted by the NITT Hospital Team on January 24.
- NITT Hospital team, NCC students of NIT Trichy in association with Titan Eye Plus conducted Eye check-up camp for the faculty, staff and students of NIT Trichy on February 8 and 9.

- Ophthalmic equipment (Slit Lamp Bio-microscope LED) worth Rs.1,14,240 was purchased and installed in the hospital on February 14.
- Pulse Polio Immunisation: Oral polio drops second dose was given to children of 0-5 years on March 10 by NITT Hospital staff and PHC staff, Thirunedunkulam in NITT Hospital.

9.9. 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 and 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 its 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.

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) - 2018-19:

S. No.	Designation	Name of the Warden / Department	E-mail (@nitt.edu)
1.	Chief Warden	Dr.T.N.Janakiraman Professor/ Mathematics	janaki
2.	Additional Chief Warden	Dr.P.J.A.Alphonse Professor/CA	alphonse
3.	Additional Chief Warden	Dr. G. Uma Professor/ ICE	guma
4.	Member	Dr. R. Manjula Assistant Professor/ Civil	manju
5.	Hostel Convener	Dr.S Suresh Associate Professor/ Mechanical	ssuresh
6.	Registrar	Or his nominee	registrar

Wardens (2018-19):

S. No.	Name of the Warden	Hostels & Mess	Email Id @nitt.edu
1.	Dr.R.Manjula, Civil	OPAL B	manju
2.	Dr.R.TamilSelvi, Maths	OPAL C (East & West) First Floor Mess	tamil
3.	Dr.V.Lavanya, DoMs	OPAL A,E Ground Floor Mess	lavanya
4.	Dr.M.Sridevi, CSE	OPAL E, Beryl, Beryl Mess	msridevi
5.	Dr.D.Lenin Singaravelu, Production	Amber A, B, MM II South	dlenin
6.	Dr.S.S.Karthikeyan, ECE	Aquamarine A, B, Sabari Mess	sskarthikeyan
7.	Dr.G.Thavasi Raja, ECE	Zircon A, B,C, MM I North	thavasi
8.	Dr. ManoranjanSahoo, EEE	Jasper, Coral MM I South	sahoo
9.	Dr. N. Samsudeen, Chemical	Diamond, Jade Mess B	samsudeen
10.	Dr. JitrajSaha, Maths	Garnet C, Agate, Mess A	jitraj
11.	Dr.KunwarSingh,CSE	Lapis, Sapphire, Topaz, Annapurna Mess	kunwar

12.	Dr.P.Srinivasa Rao Naik, EEE	Emerald, Pearl, Ruby, MM II –North Mess	psnayak
13.	Dr.Somenath Garai, Chemistry	Garnet A, B Kailash	sgarai

9. 10. GUEST HOUSE

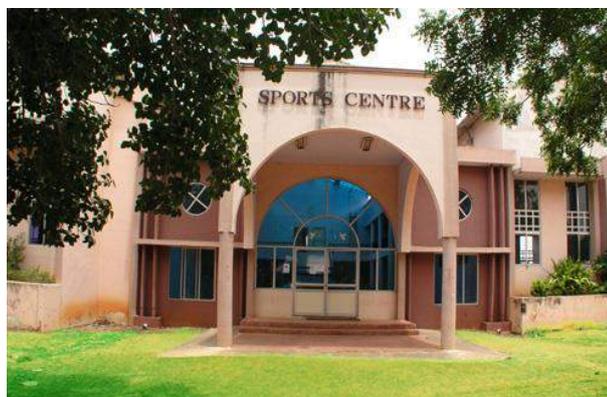
NIT, Tiruchirappalli caters to provide accommodation and food to official and personal guests in the two guest houses located in its premises. Guest House-1 has 33 guest rooms



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 Wi-Fi 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. 11. SPORTS CENTRE

The sports centre 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 centre 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 an 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.



10. TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE – III

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

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

Activities under TEQIP-III

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

- c) A one-day workshop on “Faculty Startups & Entrepreneurship” was held on March 24, 2018. This was organized by Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator.
8. A workshop on “Capacity Building of Women managers in Higher Education” was held from December 4 to 9, 2017 at NITT. This was organised by Dr. G. Uma and Dr. D. Ezhilarasi from ICE Department and Dr. S. Mekala from Humanities Dept.
9. 54 students visited Canada under R&D head during May to July, 2019 as part of the Student Mobility Programme by MITACS Canada & MHRD, NPIU New Delhi.
10. Conducted a short term course on “Computer Skills” to non-teaching staff during June 4 to 22, 2018. This was organised by the Computer Support Group, NITT (154 numbers).
11. Two International conferences were conducted by the Chemical Engineering and EEE Department during December 2018.
12. Four International Conferences were permitted for the year 2019 under TEQIP-III for ECE, MME, CSE and Mechanical Departments.
13. Conducted a workshop on “Faculty Induction Training Programme” during June 21 to 23, 2018 for the newly joined faculty members (37 numbers). This was organized by the Dean Faculty Welfare Office and IITM.
14. Dean Students Welfare Office conducted an Orientation Programme for the first year B.Tech Students of all branches under TEQIP-III on July 31.
15. Employability skill test was conducted for 469 first year B. Tech. Students during December 4 to 6, 2018.
16. GATE training was conducted for 150 Final year B. Tech students during February 2019.
17. The GATE 2019 registration fee for 221 Final year B. Tech students was reimbursed.

The following officials attended various training programs:

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

5. Dr.N.Sivakumaran, Start-up Cell Coordinator attended the workshop on “Start-up Activities’ & preparation of mini-action plan” held on January 16 & 17, 2018, at BIT, Mesra, Ranchi
6. Shri. R. Narayanan EE, Shri. R. Ravishankar AR (Stores and Purchases) and Shri.R. Karthikeyan A. R. (Accounts) attended a training programme on “Public Procurement” which was held during January 8 to 13, 2018, at NIFM, Faridabad.
7. 54 faculty members attended three programmes on “Introduction to Machine learning with applications for engineering systems and Advanced deep learning”. Two programmes were organized by IIT Bombay and one was organized by NIT Trichy (Dec 2018, Feb 2019 and April 2019).

Twinning Activities:

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

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

Dr. N.Sivakumaran	Start-up cell co-ordinator, Professor, Dept. of Instrumentation and Control Engineering, NIT-T	<ul style="list-style-type: none"> • Overview of Start-up cell activities at DBRAIT • Case Studies on intelligent system design
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6. Dr. S. Moorthi, Asso. Prof., Dr. M. Venkatakrihiga, Asso. Prof. & Dr. P.Raja, Asso. Prof. of EEE Dept. attended a programme for finalizing the SAR preparation under “Twinning Arrangement activities” which was held from November 7 to 11, 2018, at DBRAIT, Andaman.
7. The DBRAIT team of 5 Officials (Dr. V. Alagusundaram, HoD (Computer), Shri. Arun Srivastava, HoD (Electrical), Dr. Jenson Daniel, HoD (Civil), Shri B.K. Jena, HoD (Mechanical), Shri. Harsabardhan Barik, Assistant Prof, CSE, N.O. (Procurement)) visited NIT Trichy under TEQIP-III Procurement plan preparation which was held on January 29 & 30, 2019.
8. Prof. S. Raghavan, ECE Dept. attended DBRAIT as a BoG nominee on April 15, 2019 & also as a Viva voce Project Examiner of final year B.Tech students on April 16, 2019 at DBRAIT.
9. Three NITT students (CSE, Civil, ECE) of Campus Interview committee visited DBRAIT, Andaman & Nicobar during April 22 – 23, 2019 to accelerate the student activity (Company Data base, Placement brochure, JEE Mock test for aptitude etc.).
10. Dr. Utpal Sharma, Principal, DBRAIT, Port Blair, A&N visited NITT on April 17, 2019 to interact with the Director and TEQIP team regarding target achievement.



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



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

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

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

Programmes Sponsored by Edii Nimat Project 2018-2019:

Entrepreneurship Awareness camp (EAC):

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

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

A six weeks programme (TEDP), sponsored by EDII Ahmedabad (under the DST – NIMAT) was organized at NIT, Trichy, From October 15 to November 24, 2018, with participation of about 22 students and budding entrepreneurs.

Information Event held in Chennai:

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



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



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

Incubatee Selection:

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

- RECUBITECH PVT LTD
- FIXYARD TECHNOLOGIES PVT LTD

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

Final Year Project Competition 2018-19:

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

NIT TRICHY CATEGORY:**FIRST PRIZE:****PROJECT TITLE: Real Time Hand Gesture Recognition**

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

SECOND PRIZE:**PROJECT TITLE: A Passive Electronically Scanned Array for Operation in the X-Band**

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

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

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

PROJECT TITLE: Learned Indices in Database Using Machine Learning Algorithms

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

OTHER COLLEGE'S CATEGORY:

FIRST PRIZE:

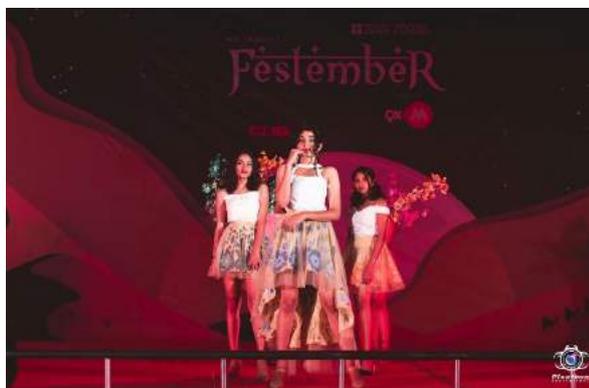
PROJECT TITLE: Wearable Companion Device for Children with Autism

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

12. STUDENT ACTIVITIES

12.1. FESTEEMBER'18

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



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



‘Carpe Diem’ - Stories that inspire, was the name of the guest lecture series organized by Festember each year. They bring down eminent personalities in their respective fields, like music, film-making, dance, writing, and arts. This year, their line-up for Carpe-Diem had speakers like the musical maestro Aruna Sairam, actress Nithya

Menon, renowned author Ashwin Sanghi, playback singer Karthik and many more.

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

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

12.2. PRAGYAN'19



Pragyan, NIT Tiruchirappalli the first student-run organization in the world and the third overall, next only to the London Olympics and Manchester United to receive it. With a number of exciting events in store, the 15th edition of Pragyan scheduled March 14th - 17th, 2019 is sure to celebrate technology like never before.

Events aside, the Pragyan guest lecture series was a great way to get inspired by listening to and interacting with some of the most recognisable faces from various industries. These include eminent personalities such as Dr. Spyridon "Spiros" Michalakakis, a quantum physicist and staff researcher at CalTech, Shri Montek Singh Ahluwalia, a renowned economist and the Deputy Chairman of the erstwhile Planning Commission of India and Dr.



Frederick J. Raab who is the LIGO Associate Director of Observatory Operations. Moreover, the Pragyan Crossfire promises to be a healthy and informative discussion on our right to free speech.



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

Giving the participants a chance to gain extensive knowledge in their fields of interest, Pragyan brings down the best organisations in their domains including ISRO, National instruments, Microsoft, HP, Anvira Education and so on, to provide students with a practical experience of the latest in the world of technology. With workshops



ranging from Image Processing of Satellite Data to Building Design and Technology, the workshops at Pragyan'19 surely do justice to its theme.

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

To nurture and celebrate the spirit of innovativeness among the students, Pragyan conducted Sangam and Ingenium every year as a part of its festival. Sangam is an intra college hardware hackathon while Ingenium is exclusively for students of other colleges. Both these competitions provided students with the platform they need to showcase their technological prowess, helping them earn recognition for the same.

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

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

12. 3. NITTFEST'19

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



NITTFEST'19 started with a bang; the first event being Villapaatu was a grand success on March 9, 2019. Villupaatu was an authentic event which highlighted the Tamil culture. The departments narrated meaning-full folklores through music and grace that pierced through our hearts and took us back to our roots. Graced by the presence of Mr.

Manikandan and Mrs. Subhadevi Manikandan, this event lived up to all its expectations and raised the standards higher. The next event that gathered a substantial excited crowd was Dramatics, which took place in the EEE auditorium. The eight departments that performed took us on a magical journey of varying emotions through their wonderful stories. The renowned judges, Mr. Aravind R Vyas, and Mr. Pranav Dwaraknath, who has been a part of various shows and plays and has mentored upcoming actors to their legacies, had a difficult time narrowing down their top three among eight as all our departments performed with utmost perfection.

Next, we had the most exciting event in the middle of all the mouth-watering aromatics coming from the food stalls, Act-a-thon, on the informal stage. This event was all about the spontaneous acting in accordance with the given promptly. We also had all the spotlights on QAWWALI. The departments drove the audience crazy with their energetic performance. The judges for the



evening sure did spice up the evening a little more and made our experience even more worthwhile.

12. 4. CLUBS AND SOCIETIES

S. No.	Clubs	Activities
1.	AAYAAM	Hindi Literature Club
2.	AISEEC	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

12. 5. STUDENT CLUBS ACHIEVEMENTS

Name of the Student	Prize Won
Siddharth Venu	Smart India Hackathon 2019: MHRD's software hackathon was conducted on March 4, at different Nodal Centers in India. The students came up with innovative solutions to various real time industrial problems. 4 Teams consisting of 6 members each participated from NIT Trichy. Teams headed by Sudharshana KL and Kirubaraj secured first position.
Sudharsana K J L	
P Naveena	
S Rohith Balaji	
Kirubaraj	
Kamalesh Palanisamy	
D Kishor Kumar	
Avinash.S	
Kishore	
Poorvaja V	
N Praveen Chandhar	
Yash patel	
Sathishsharma R	
Jayaprakash R	NIT Conclave: Annual Inter NIT theme based competition. This year's theme was Social Entrepreneurship and Innovation. NIT Tiruchirappalli's team secured first position.
S Vishaal Kanna	
P Thiruvasakan	
Rupp Santos	
Agila Senthil	BAJA SAE India Competition: for under-graduate engineering students organized globally by the society of Automotive Engineers, USA. NIT Tiruchirappalli's team secured 5th position in Rock Crawl and 32 nd in overall category.
R.Anirudh	
Ashutosh Pani	
Afnan Abdu Samed	
Sai siddhanth	

S Rohith Balaji	ACM ICPC: The International Collegiate Programming Contest is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure.
Ajaiy Prabhu R K	Caterpillar Innovation Challenge: A national level competition where they get to work on real life problems faced by Caterpillar. NIT Tiruchirappalli's team secured 1 st position in the competition.
Yash Prakash	
Rohit surya K	
Premkumar S	
Siddharth M	Designers' Consortium: Waycool Design Challenge is a National Level Open Design Challenge in the field of Agriculture and Food Processing. NIT Tiruchirappalli's team secured 3 rd position.
Karthy	
Ajay Bharadwaj S	
Raghav Balaji	
Girithar T A	
Shubhodeep Saha	
Niranjan Kumar P	
Kunal Yadav	Designers' Consortium: Maruti Suzuki Colors of Youth conducted 'PROJECT TECHNOVATION' to promote scholastic excellence and competence amongst the nation's youth towards impacting social welfare through a healthy competition. NIT Tiruchirappalli's team secured 4 th Position at National Level.
K S Seetharam	
Yash Prakash	
Vishnu MH	
Vaibhav Malani	
P Thiruvasakan	
K.Yuvaprashanth	
Girithar T A	
Vishnu MH	
Thanushree	
Arun Palaniappan	
Premkumar S	
Himanshi Gupta	Spider R&D-e-Yantra Robotics Competition: National Level Technical competition conducted at IIT Bombay. Two teams from NIT Trichy secured 1 st and 4 th prize.
Karthik S	
Ruphan S	
Aditya Kumar Singh	
Raj Kumar Bhagat	Designers' Consortium – Campus Development Projects: Anti-tipper for Dustbins was designed and implemented at various locations in the campus.
Raja Ramanan	
S Vishaal Kanna	
Yash Prakash	
Saimothish	Designers' Consortium – Campus Development Projects: Cycle Parking Frame was designed and implemented in the campus.
Amritha Suresh	
K S Seetharam	
Rubin Jacob	
Divya S	
Nithin K Subhash	Delta Force - Campus Development Projects: Online Scholarship Portal for streamlining the process of awarding the various scholarships in the Institute. They also developed Online Hall Booking Portal and Online Course Fair (Pre-course registration) Portal.
Deep Bhattacharyya	
Shubham Sopan Dighe	
Venkatraman	
Abishake	
Kumaran	
Bharath Kumar R	
Nimish Agrawal	Spider - Campus Development Projects: To streamline the process of obtaining OD, an online portal was created. They also developed an Online Alumni Database.
S Rohith Balaji	
Saravanan T	
Rishav Roy	
Dhananjay P	

Sudharsana K J L
S Rohith Balaji
Vaibhav
G Someshwar
Kamalesh Palanisamy
N Praveen Chandhar

12. 6. NATIONAL CADET CORPS (NCC)



In 2018-2019, A Flight NCC organized 35 official parades. Every week, cadets in uniform assembled at the NSO ground. The 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 2018 – 19:



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

12. 7. NATIONAL SERVICE SCHEME (NSS) ACTIVITIES

12. 7. 1. Celebration of International Yoga Day

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



12. 7. 2. Blood donation camp



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

12. 7. 3. Mass cleaning drive and rally clean India



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

12. 7. 4. Eye check-up camp and tree plantation programme

NSS mechanical unit of NITT conducted an eye camp in Govt. High school Aachampatti with the help of Joseph hospital. Around 300 students were screened from 4th standard to 10th standard and 12 students were found



defective in vision. NITT hospital medical officer Dr. Priyanka examined the weak students are prescribed medicine for them. NSS volunteers were involved in tree plantation in parallel. 50 saplings were brought from NITT and they were planted by volunteers by making pits by themselves with the help of junior Red Cross students.

12. 7. 5. Special camp

The National Service Scheme (NSS) units of National Institute of Technology, Tiruchirappalli (NITT) conducted a 7-day special camp in the surrounding villages of NITT which are adopted under the Unnat Bharat Abhiyan (UBA) scheme of Ministry of Human Resource Development. The theme of the NSS camp was to build sustainable



villages. The 7-day camp was kick-started in the Government School of Thirunedungulam with the inaugural address by Dr. V. Mariappan, NSS coordinator, NITT.

12. 8. SPORTS ACHIEVEMENTS

Sl. No.	Sport	Captain Name	Event	Award
1.	Volleyball Men	Mr. Bhaarith	IIT BHU Spardha'18 Inter-NIT – Trichy'19	Gold Gold
2.	Volleyball Women	Ms. Manasvi	PITS Sportiva'18 Sastra Colosseum'19 Inter-NIT – Trichy'19	Silver Silver Gold
3.	Basketball Men	Mr. Rakesh & Mr. Ninada	Inter-NIT Trichy'19	Gold
4.	Cricket	Mr. Kaushik	Inter-NIT Trichy'19	Gold
5.	Badminton Men	Mr. Roshan	Inter-NIT Nagpur'18 PITS Sportiva'18	Gold Silver
6.	Badminton Women	Ms. Vasuki	PITS Sportiva'18	Silver
7.	Table Tennis Men	Mr. Lalit	IIT BHU Spardha'18 Sastra Colosseum'19	Silver Silver
8.	Table Tennis Women	Ms. Sai Shruthi	Inter-NIT Nagpur'18 Sastra Colosseum'19	Silver Gold
9.	Kho-Kho Men	Mr. Naveen	IIT BHU Spardha'18	Gold
10.	Kho-Kho Women	Ms. Ankita	IIT BHU Spardha'18 InterNIT Rourkela'19	Gold Gold
11.	Football Men	Mr. Balaji & Mr. Uzair	Sastra Colosseum'19	Silver
12.	Athletics Men	Mr. Sandeep	IIT BHU Spardha'18 Inter NIT Warangal'19	Bronze Bronze

13.	Athletics Women	Ms. Ankitha	IIT BHU Spardha'18 Inter NIT Warangal'19	Silver Bronze
14.	Handball Men	Mr. Revanth	IIT BHU Spardha'18	Silver
15.	Powerlifting	Mr. Vivek	Inter-NIT Surathkal'19	Gold
16.	Tennis	Mr. Ashwath Balaji	PITS sportiva'18 IIT BHU Spardha'18 Inter NIT Surathkal'19	Silver Silver Silver
17.	Chess Men	Mr. Siddharth	IIT BHU Spardha'18 PITS Sportiva'18 Sastra Colosseum'19	Gold Silver Silver
18.	Chess Women	Ms. Abimathi	Sastra Colosseum'19	Silver
19.	Swimming Men	Mr. Esun	IIT BHU Spardha'18 Inter-NIT Surathkal'19	Gold Silver
20.	Swimming Women	Ms. Dhakshaayani & Ms. Chirasmitha	Inter-NIT Surathkal'19	Gold

INTER NIT SPORTS MEET

This year, NIT Tiruchirappalli hosted the All India Inter NIT Sports Tournament from February 20th - 23rd, 2019. Inter-NIT is the annual sports fiesta where participants from NITs all over India come together to compete in a variety of exhilarating sports. Different sports are held in different NITs, usually two to three in a single campus. This time, NIT Trichy is the proud host of three of these games, basketball, volleyball and cricket. Situated in the heart of Tamil Nadu, National Institute of Technology, Tiruchirappalli is currently recognized as one of the best institutions in the country, and does not fail to impress in the field of sports. NIT Trichy boasts an Outdoor Stadium with a 400m track, a sports complex and aqua sports complex with a 25m swimming pool. The campus is dotted with two football grounds, one hockey field, eight volleyball courts, four basketball courts, two tennis courts, and two ball badminton courts, along with a state-of-the-art Indoor Stadium.

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



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



Chief Guest Shri Tom Joseph with Students

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

SPORTS COUNCIL MEMBERS (2018-19)

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

CORE TEAM / ALL INDIA INTER-NIT SPORTS

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



Cultural Events



Inter NIT Sports Meet

APPENDIX ~ A

AUDIT CERTIFICATE



सत्यमेव जयते

महानिदेशक लेखापरीक्षा (केंद्रीय) चेन्नै का कार्यालय
लेखापरीक्षा भवन, 361, अण्णा सालै, तेनामपेट, चेन्नै - 600 018.

OFFICE OF THE DIRECTOR GENERAL OF AUDIT (CENTRAL)

Chennai

"LEKHA PARIKSHA BHAVAN", 361, Anna Salai, Teynampet, Chennai - 600 018.

No. DGA(C)/CE/II/28-77/2019-20/

Dated: 20.11.2019

To

The Secretary to Government of India,
Ministry of Human Resource Development,
Shastri Bhawan,
New Delhi - 110 001.

Sir,

Sub: Separate Audit Report on the accounts of the National Institute of
Technology, Tiruchirappalli for the year 2018-19 - Reg.

I am to forward herewith the Separate Audit Report on the accounts of the
National Institute of Technology, Tiruchirappalli along with a copy of financial
statements for the year 2018-19. Three copies of the Report for the year 2018-19
as presented to Parliament may be forwarded to this office in due course.

The receipt of this letter with enclosures may kindly be acknowledged.

Yours faithfully,

sd/

Director/CE.

Encl: As above.

NIT Director's Office	
inward Dak No.	
DOR	25/11/19
DOD	

दूरभाष / Phone : 044 - 2431 6400

फैक्स / Fax : 044 - 2433 8924

ई-मेल / E-mail: dgacchennai@cag.gov.in

Endt. No.DGA(C)/CE/II/28-77/2019-20

Dated: 20.11.2019

Copy together with a copy of the Separate Audit Report of National Institute of Technology, Tiruchirappalli for the year 2018-19 and a Management Letter are forwarded to the Director, National Institute of Technology, Tiruchirappalli. It is requested to furnish 3 copies of the Hindi/English version of the Audit Report and 3 copies of the Annual Report as presented to Parliament at an early date. It is also requested to furnish the dates of presentation of the accounts to Parliament for the year 2018-19.



Director/CE.

महा निदेशक लेखापरीक्षा (केन्द्रीय) का कार्यालय
लेखापरीक्षा भवन, 361, अण्णा सालै, तेनामपेट, चेन्नै- 600 018

सेवामें,

The Secretary to Government of India,
Ministry of Human Resource Development,
Shastri Bhawan,
New Delhi – 110 001.

महोदय,

मैं इसके साथ दिनांक. 20.11.2019 के पत्र सं.DGA(C)/CE/II/28-77/2018-19/
अग्रेषित कर रहा हूँ ।

भवदीय,

एच.वी.सुन्दर

निदेशक

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technology, Tiruchirappalli for the year ended 31 March 2019.

We have audited the attached Balance sheet of the National Institute of Technology, Tiruchirappalli as on 31st March 2019, Income & Expenditure Account and Receipts and Payments Account for the year ended on that date under section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 22(2) of National Institutes of Technology Act 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards, disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum performance aspects, etc., if any, are reported through Inspection Report/ CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statement. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- i We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii The Balance Sheet, Income & Expenditure Account and Receipts and Payments Account dealt with by this Report have been drawn up in the format approved by the Ministry of Human Resource Development.
- iii In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required under Section 22 (1) of National Institutes of Technology Act, 2007 in so far as it appears from our examination of such books.

iv We further report that:

A. Balance Sheet

Sources of Funds – Current Liabilities & Provisions – Sponsored Projects - Sch.3a – ₹96.40 crore

Application of Funds –Loans, Advances & Deposits – Sch.8 – ₹96.46 crore

1. The Institute had not received any funds from Siemens for sponsored projects but, an amount of ₹71,98,13,547 (Siemens COE – ₹69,32,99,444; Siemens CoE-Service – ₹2,65,14,103) has been disclosed under Current Liabilities & Provisions and the same amount was shown as receivable under Loans, Advances & Deposits instead of including under Notes to Accounts. This has resulted in overstatement of both Assets and Liabilities by ₹71.98 crore. This comment was issued in previous year SAR but no corrective action has been taken by the Institute.

Application of Funds

Fixed Assets – Sch.4 - Tangible Assets – ₹337.99 crore

Capital Work-in-Progress – Sch.4 - ₹135.56 crore

2. Non capitalisation of four construction works completed and put to use amounting to ₹55.19 crore had resulted in understatement of Fixed Assets and overstatement of Capital Work-in-Progress by ₹55.19 crore. This has also resulted in understatement of depreciation on these assets.

B. Receipts & Payments Account

The closing balance of fixed deposits amounting to ₹135.74 crore in 2017-18 Receipts & Payments Account had been brought down as opening balance of ₹136.74 crore in 2018-19 R&P Account. The same needs to be reconciled and corrected.

C. General

1. It was mentioned in Notes on Accounts (Sch:24; Para 2.5) that a total fund of ₹18.90 crore was released for Siemen's COE project by NIT. However, the correctness of details furnished in the note could not be seen in the accounts of NIT. Hence, the correctness could not be ensured.
2. Provision for liability towards retirement benefits (Gratuity, Leave Encashment and Pension) of staff as required under Accounting Standard-15 was not made in accounts.
3. The closing balance of advance deposit with CPWD for construction works, as per balance sheet and Form-65 furnished by CPWD was ₹12.00 crore and ₹12.12

crore respectively. The difference in CPWD deposit of ₹0.12 crore needs reconciliation.

D. Effect of Revision in Accounts

The accounts of the Institute were revised based on audit comments as a result of which, in the Institute accounts, Assets/Liabilities were decreased by ₹20.52 lakh and the excess of Expenditure over Income (Deficit) was decreased by ₹1.08 lakh.

E. Grants in aid

Out of the grants-in-aid of ₹172.86 crore received, and unspent balance of ₹27.76 crore of previous year (total Rs.200.62 crore), the Institute could utilize a sum of ₹136.36 crore, leaving a balance of ₹64.26 crore as unutilized grants as on 31 March 2019.

F. Management Letter

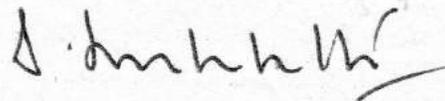
Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, National Institute of Technology, Tiruchirappalli through a Management Letter issued separately for remedial /corrective action.

v Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.

vi In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report, give a true and fair view in conformity with accounting principles generally accepted in India.

- a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Tiruchirappalli as at 31 March 2019; and
- b) In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the C&AG of India



Director General of Audit (Central), Chennai

Place: Chennai
Date: 20.11.2019

1/6

Annexure

1. Adequacy of Internal Audit System.

System of Internal Audit existing in the Institute does not commensurate with the volume of its transactions. Internal Audit section had been functioning with three personnel without any specific directions on conduct of Internal Audit. Internal Audit Manual approved by the Finance Committee during 2007 was not yet approved by the Board of Governors and implemented till date. Copy of Internal Audit report for 2018-19 and list of pending paras of previous Internal Audit reports as on 31.03.2019 were not furnished to Audit.

2. Adequacy of Internal Control System:

Internal control system was construed as inadequate as fixed assets were not capitalised properly and in view of other comments included in the main report.

3. System of Physical verification of fixed assets.

Physical verification of fixed assets was done for the year 2018-19.

4. System of Physical Verification of Inventory.

Physical verification of inventory was done for the year 2018-19.

5. Regularity in payment of statutory dues.

The Institute was regular in payment of statutory dues.


Director/CE

APPENDIX ~ B

ANNUAL STATEMENT OF ACCOUNTS 2018 – 2019

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015 TAMILNADU



ANNUAL ACCOUNTS

2018-2019

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015

ANNUAL STATEMENT OF ACCOUNTS 2018-19

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Income and Expenditure Account	2
Schedules	3 ~ 32
Notes on Accounts	33 ~ 43
Receipts and Payments Account	44
GPF and NPS	45-50

National Institute of Technology, Tiruchirappalli-620 015
Balance Sheet as at 31.03.2019

		₹	₹
Sources of Funds:	Schedule No.	2018-19	2017-18
Capital Fund	1	5101084544	5400294035
Designated/Earmarked/Endowment Funds	2	1351195635	1199885380
Current Liabilities & Provisions	3	2027986946	1462951177
TOTAL		8480267125	8063130592
Application of Funds	Schedule No.	2018-19	2017-18
Fixed Assets	4		
Tangible Assets		3379939467	2474661825
Intangible Assets		242689893	552617077
Capital Works-in-progress		1355577398	2273277800
Investments From Earmarked/Endowment Funds	5		
Long Term		420695031	501354438
Short Term		860127333	656786750
Investments - Others	6	0	0
Current Assets	7	1256589309	714530401
Loans,Advances & Deposits	8	964648694	889902301
TOTAL		8480267125	8063130592

Significant Accounting Policies 23

Contingent Liabilities and Notes to Accounts 24

National Institute of Technology, Tiruchirappalli-620 015
Income and Expenditure Account for the Period/Year Ended 31.03.2019

		₹	₹
Particulars	Schedule No.	2018-19	2017-18
INCOME			
Academic Receipts	9	542931333	505719003
Grants/Subsidies	10	1069533898	917906809
Income From Investments	11	18708895	15532779
Interest Earned	12	15998667	14997873
Other Income	13	127923231	101965302
Prior Period Income	14	2032133	0
TOTAL-(A)		1777128157	1556121766
EXPENDITURE			
Staff Payments & Benefits (Eatablishment Expenses)	15	1154463085	997612432
Academic Expenses	16	339696199	291658762
Administrative and General Expenses	17	136549382	125167311
Transportation Expenses	18	5097709	4169638
Repairs & Maintenance	19	74728688	61639642
Finance Costs	20	157227	75844
Depreciation	4	340595557	216842705
Other Expenses	21	0	0
Prior Period Expenses	22	1435867	5298137
TOTAL-(B)		2052723714	1702464471
Balance Being Excess of Income over Expenditure (A-B)		-275595557	-146342705
Transfer to / from Designated Fund			
Building Fund			
Others ()-Corpus Fund		65000000	70500000
Balance Being Surplus/Deficit Carried to Capital Fund		-340595557	-216842705

Significant Accounting Policies

23

Contingent Liabilities and Notes to Accounts

24

**SCHEDULES FORMING PART
OF
BALANCE SHEET**

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 1: CAPITAL FUND

Particulars		₹	₹
		2018-19	2017-18
	Balance as at the Beginning of the Year	5400294035	4602978269
Add:	Contribution towards Capital Fund	0	0
Add:	Grant from UGC, Govt of India and State Government to the extent utilized for capital expenditure	294080836	447800314
Add:	Assets Purchased out of Earmarked Funds	0	0
Add:	Assets Purchased out of Sponsored Projects, Where ownership vests in the institution	3695845	8110164
Add:	Assets Donated/Gifts Received (Siemens COE)	79276946	503501341
Add:	Other Additions	0	0
Add:	Excess of Income over expenditure transferred from the income & Expenditure Account	0	0
Add:	Deficit balance 2015-16		54746652
Total		5777347662	5617136740
Deduct:	Deficit transferred from the Income & Expenditure Account	-340595557	-216842705
Deduct:	Depreciation on Assets Donated/Gifts Received (Siemens COE)	-335667561	0
	Balance at the Year End	5101084544	5400294035

Registrar
NIT-Trichy

Director
NIT-Trichy

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 2: DESIGNATED/EARMARKED/ENDOWMENT FUNDS

Particulars	Fund wise Breakup						Total		
	Corpus Fund	Staff Development Fund	Maintenance Fund	Depreciation Fund	Student Welfare Fund	ECC Fund	Endowment	2018-19	2017-18
A.									
a) Opening Balance	1134107819	21147419	945659	945659	14184877	14409760	14144187	1199885380	1040177132
b) Additions during the year	66485809	160370	0	0	0	0	0	66646179	85067995
c) Income from investments made of the funds	19610190	370236	16556	16556	248340	497341	887273	21646492	39112006
d) Accrued Interest on Investments/Advances	60361623	1125548	50332	50332	754974	766943	18021	63127773	35196034
e) Interest on Savings Bank Account	149469	2787	125	125	1869	1899	0	156274	494358
f) Other Additions (TDS Receivables)	0						0	0	0
Total - (A)	1280714910	22806360	1012672	1012672	15190060	15675943	15049481	1351462098	1200047525
B.									
Utilisation/Expenditure towards objectives of Funds	0	0	0	0	0	0	0	0	0
i) Capital Expenditure	0	0	0	0	0	0	0	0	0
ii) Revenue Expenditure	0	0	0	0	0	0	266463	266463	162145
Total - (B)	0	0	0	0	0	0	266463	266463	162145
Closing balance at the year end (A-B)	1280714910	22806360	1012672	1012672	15190060	15675943	14783018	1351195635	1199885380
Represented by									
Cash and Bank Balances	5612743	0	0	0	0	288236	1344519	7245498	6548158
Investments	1214740544	21680812	962340	962340	14435086	14620764	13420478	1280822364	1158141188
Interest accrued but not due	57499474	1125548	50332	50332	754974	766943	18021	60265624	32333885
TDS Receivable	2862149	0	0	0	0	0	0	2862149	2862149
Total	1280714910	22806360	1012672	1012672	15190060	15675943	14783018	1351195635	1199885380

* The Bank balances of ECC Fund and Endowment Fund are presented with ECC and Non-Plan Account bank balances respectively.

Registrar
NIT-Trichy

Director
NIT-Trichy

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE : 2 (a) ENDOWMENT FUNDS

₹

Sl.No.	Name of the Endowment	Opening Balance As on 1.4.2018		Additions during the years		Total		Expenditure on the object during the year	Closing Balance		Total
		Endowment	Accumulated Interest	Endowment	Interest	Endowment	Accumulated Interest		Endowment	Accumulated Interest	
1	2	3	4	5	6	7 (3+5)	8 (4+6)	9	10	11	12 (10+11)
1	Dr. Sargurudas Memorial Fund	500	0	0	36	500	36	36	500	0	500
2	Kharche Associated Fund	10000	0	0	708	10000	708	708	10000	0	10000
3	Dr. M. Shanmugam Fund	400000	0	0	28321	400000	28321	28321	400000	0	400000
4	Chetterjee Memorial Fund	10000	0	0	708	10000	708	708	10000	0	10000
5	Rajalaxmi Trust Fund	3000	0	0	213	3000	213	213	3000	0	3000
6	Balakumaran Memorial Fund	10000	0	0	708	10000	708	708	10000	0	10000
7	Reunion Fund	44065	16504	0	3120	44065	19624	0	44065	19624	63689
8	Janardhan Iyengar & Seethamma Fund	20000	0	0	1416	20000	1416	1416	20000	0	20000
9	Prof. S. Muthukaruppan Fund	10000	0	0	708	10000	708	708	10000	0	10000
10	Avinash Memorial Endowment Fund	200000	0	0	14161	200000	14161	14161	200000	0	200000
11	Prof. S.H.Ibrahim Endowment Fund	25000	0	0	1770	25000	1770	1770	25000	0	25000
12	Prof.M.Sitaraman Endowment Fund	25000	0	0	1770	25000	1770	1770	25000	0	25000
13	Prof.Thirumalai Arasan Mem Fund	25000	0	0	1770	25000	1770	1770	25000	0	25000
14	Neela Balasubramanian Memorial Award (Dr.B.Sekar)	125000	0	0	8851	125000	8851	8851	125000	0	125000
15	Karthik Memorial Fund(Dr.G.Swaminathan)	50000	0	0	3540	50000	3540	3540	50000	0	50000
16	Vijayalakshmi Kannan Memorial Fund	15000	0	0	1062	15000	1062	1062	15000	0	15000
17	Dr.Duraisamy Memorial Fund (Dr.TSRajan)	50000	0	0	3540	50000	3540	3540	50000	0	50000
18	RECAL NITT Fund	68823	18415	0	4873	68823	23288	0	68823	23288	92111
19	Ruby & Topaz 84 Batch Endowment Fund	952909	163596	0	67472	952909	231068	0	952909	231068	1183977
20	Subash Chandrabose Memorial Award	75000	0	0	2623	75000	2623	2623	75000	0	75000
21	Dr.P.S.Manisundaram Endowment Fund	75000	0	0	5310	75000	5310	5310	75000	0	75000
22	Oisik Adak Memorial Award(Pragyan)	290001	0	0	20533	290001	20533	20533	290001	0	290001
23	Dr.J.Raja Memorial Fund	50000	0	0	3540	50000	3540	3540	50000	0	50000
24	Prof.Joseph Martin Fernando Trophy	50000	0	0	3540	50000	3540	3540	50000	0	50000
25	S.J. Chainulu Medal of Excellence	500000	0	0	35035	500000	35035	35035	500000	0	500000
26	Prof. K.S. Pandey	117000	5315	0	7856	117000	13171	13171	117000	0	117000
27	M/s. Chennai Metco P. Ltd., Chennai	200000	0	0	13429	200000	13429	13429	200000	0	200000
28	80 BATCH CHAIR FUND	1000000	539059	0	668681	1000000	1207740	100000	1000000	1107740	11107740
	TOTAL	13401298	742889	0	905294	13401298	1648183	266463	13401298	1381720	14783018

Registrar
NIT-Trichy

Director
NIT-Trichy

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 3: CURRENT LIABILITIES & PROVISIONS

	₹	₹
Particulars	2018-19	2017-18
A. Current Liabilities		
1. Deposits from Staff	0	0
2. Deposits from Students	64744528	62019899
3. Sundry Creditors		
a) For Goods & Services	18759630	26959618
b) Others	107701753	42781627
4. Deposit-Others(including EMD, Security Deposit)	43410380	22203189
5. Statutory Liabilities (GPF, TDS, WC Tax, CPF, GIS, NPS):		
a) Overdue	0	0
b) Others	1787854	11645004
6. Other Current Liabilities		
a) Salaries	79560176	106378057
b) Receipts against Sponsored Projects	963882133	806250400
c) Receipts against Sponsored Fellowships & Scholarships	21642112	9801498
d) Unutilised Grants	642634737	277649471
e) Grants in Advance	0	0
f) Other Funds (a) TEQIP Funds	152556	553932
(b) L & T Funds	0	13044282
g) Other Liabilities	83711087	83664200
Total (A)	2027986946	1462951177
B. Provisions		
1. For Taxation	0	0
2. Gratuity	0	0
3. Superannuation/Pension	0	0
4. Accumulated Leave Encashment	0	0
6. Trade Warranties/Claims	0	0
7. Others	0	0
Total (B)	0	0
Total (A+B)	2027986946	1462951177

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 3 (a): SPONSORED PROJECTS

Sl.No.	Name of the Project	Opening Balance as on 01.04.2018		Receipts/ Recoveries during the year	Total	Expenditure during the year	Closing Balance as on 31.03.2019	
		Credit	Debit				Credit	Debit
		3	4				8	9
1	DST, New Delhi	43409078	0	53919005	97328083	35876452	61451631	0
2	CSIR, New Delhi	2405527	0	772579	3178106	671081	2507025	0
3	UGC/AICTE, New Delhi	1626783	0	285943	1912726	443952	1468774	0
4	DRDO & Defence Research Laboratories	15935714	0	18048815	33984529	17790550	16193979	0
5	a) MHRD & MHRD (SCSP/TSP/PWD)	5278459	0	130337	5408796	256585	5152211	0
	b) MHRD-GIAN	2261931	0	613285	2875216	547490	2327726	0
6	SERB, New Delhi	13582547	0	37843649	51426196	14154476	37271720	0
7	TAT/MODROB Projects	5765761	0	0	5765761	0	5765761	0
8	a) SIEMENS COE	628294779	0	108341109	736635888	43336444	693299444	0
	b) SIEMENS COE -Service	0	0	39771155	39771155	13257052	26514103	0
9	Miscellaneous Projects	47257189	0	27136213	74393402	28405695	45987707	0
10	HACKATHON	0	0	524642	524642	277452	247190	0
11	L & T - CTM Funds	0	0	17839718	17839718	1259391	16580327	0
12	Research Management Fund	6240762	0	880742	7121504	310102	6811402	0
13	ECC Fund	21111494	0	36089554	57201048	27978291	29222757	0
14	ICSR Fund	1405076	0	0	1405076	0	1405076	0
15	Project & Consultancy Fund	11675300	0	0	11675300	0	11675300	0
	TOTAL	806250400	0	342196746	1148447146	184565013	963882133	0
16	TEQIP Project	553932	0	24515727	25069659	24917103	152556	0
17	L & T Funds	13044282	0	11995527	25039809	25039809	0	0
	TOTAL	819848614	0	378708000	1198556614	234521925	964034689	0

Registrar
NIT-Trichy

Director
NIT-Trichy

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 3 (b): SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Sl.No.	Name of Sponsor	Opening Balance as on 01.04.18		Tansactions During the year		Closing Balance as On 31.3.2019	
		CR	DR	CR	DR	CR	DR
		3	4	5	6	7	8
1	2						
1	University Grants Commission	0	0	0	0	0	0
2	Ministry.....	0	0	0	0	0	0
3	Others (Specify individually)						
	a) R & C Fellowships	5524183		38038912	26526302	17036793	0
	b) State scholarships	3809205	0	2529570	2201566	4137209	0
	c) QIP Fellowships	468110	0	0	0	468110	0
	TOTAL	9801498	0	40568482	28727868	21642112	0

Registrar
NIT-Trichy

Director
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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 3 (c): UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

	₹	₹
	2018-19	2017-18
A. Plan Grants : Government of India, MHRD		
Balance B/F	159565194	72265508
Add : Receipts during the year	191200000	535100000
Total (a)	350765194	607365508
Less Refunds		
Less : Utilized for Revenue Expenditure		
Less : Utilized for Capital Expenditure	294080836	447800314
Total (b)	294080836	447800314
Unutilized carried forward (a-b)	56684358	159565194
B. UGC Grants : Plan		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (c)	0	0
Less Refunds	0	0
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (d)	0	0
Unutilized carried forward (c-d)		
C. Govt.of India, MHRD Grants: Non-Plan		
Balance B/F	118084277	167037738
Add : Receipts during the year (Grant)	1537400000	923700000
Total (e)	1655484277	1090737738
Less : Deficit balance 2015-16	0	54746652
Less : Utilized for Revenue Expenditure	1069533898	917906809
Less : Utilized for Capital Expenditure	0	0
Total (f)	1069533898	972653461
Unutilized carried forward (e-f)	585950379	118084277
D. Plan Grants : Government of India		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (g)		
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (h)		
Unutilized carried forward (g-h)	0	0
* GRAND TOTAL (A+B+C+D)	642634737	277649471

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SCHEDULE 4: FIXED ASSETS

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2018-19				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31.03.2019	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2019	31.03.2018
1	Land	4709795	0	0	4709795	0	0	0	0	4709795	4709795
2	Site Development	0	0	0	0	0	0	0	0	0	0
3	Buildings	1680863659	822689200	0	2503552859	222209582	128572132	0	350781714	2152771145	1458654077
4	Roads & Bridges	12444954	29799872	0	42244826	890183	2787829	0	3678012	38566814	11554771
5	Tubewells & Water Supply	43613833	1691013	0	45304846	3113279	960093	0	4073372	41231474	40500554
6	Sewerage & Drainage	6906596	52017825	0	58924421	440219	4038909	0	4479128	54445293	6466377
7	Electrical Installation and Equipment	80135237	13595939	0	93731176	17780327	4949862	0	22730189	71000987	62354910
8	Plant & Machinery	24985583	3375962	0	28361545	5082025	1418077	0	6500102	21861443	19903558
9	Scientific & Laboratory Equipments	1523429878	225746142.4	0	1749176020	839793893	108408254	0	948202147	800973873	683635985
10	Office Equipments	71250593	367784	0	71618377	44107924	3900473	0	48008397	23609980	27142669
11	Audio Visual Equipments	10131756	2004539	0	12136295	2501679	910223	0	3411902	8724393	7630077
12	Computers & Peripherals	281755765	34467265	0	316223030	238702077	25528842	0	264230919	51992111	43053688
13	Furniture, Fixtures & Fittings	142922299	15754227	0	158676526	64699979	11376040	0	76076019	82600507	78222320
14	Vehicles	14779668	0	0	14779668	6449840	1160946	0	7610786	7168882	8329828
15	Lib.Books & Scientific Journals	53698205	2014463	0	55712668	31194989	4234909	0	35429898	20282770	22503216
16	Small Value Assets	23387	0	0	23387	23387	0	0	23387	0	0
	Total (A)	3951651208	1203524231	0	5155175439	1476989383	298246589	0	1775235972	3379939467	2474661825
17	Capital Work in Progress (B)	2273277800	128636686	1046337088	1355577398	0	0	0	0	1355577398	2273277800
Sl.No.	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/ Adjustment	Total Amortization	31.03.2019	31.03.2018
18	Computer Software(Incl. SIEMENS)*	947344684	21356198	0	968700882	403477957	372335182	0	775813139	192887743	543866727
19	E-Journals	48689503	0	0	48689503	40505905	6543188	0	47049093	1640410	8183598
20	Patents	659470	2138189	0	2797659	92718	310851	0	403569	2394090	566752
21	SIEMENS' IP	0	51488606	0	51488606	0	5720956	0	5720956	45767650	0
	Total (C)	996693657	74982993	0	1071676650	444076580	384910177	0	828986757	242689893	552617077
	Grand Total (A+B+C)	7221622665	1407143910	1046337088	7582429487	1921065963	683156766	0	2604222729	4978206758	5300556702

Note: The figure in column 'Deductions' under Gross Block against head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year.

The figure in column 'Additions' during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.

* Scientific Laboratory Additions includes SIEMENS Assets of ₹8,61,70,594/- and its Depreciation for the Year includes SIEMENS Assets Depreciation of ₹68,93,648/-.

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SCHEDULE 4(a): FIXED ASSETS - PLAN & OTHERS

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2018-19				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31.03.2019	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2019	31.03.2018
1	Land	4709795	0	0	4709795	0	0	0	0	4709795	4709795
2	Site Development	0	0	0	0	0	0	0	0	0	0
3	Buildings	1680863659	822689200	0	2503552859	222209582	128572132	0	350781714	2152771145	1458654077
4	Roads & Bridges	12444954	29799872	0	42244826	890183	2787829	0	3678012	38566814	11554771
5	Tubewells & Water Supply	43613833	1691013	0	45304846	3113279	960093	0	4073372	41231474	40500554
6	Sewerage & Drainage	6906596	52017825	0	58924421	440219	4038909	0	4479128	54445293	6466377
7	Electrical Installation and Equipment	80063207	13595939	0	93659146	17776725	4946260	0	22722985	70936161	62286482
8	Plant & Machinery	24985583	3375962	0	28361545	5082025	1418077	0	6500102	21861443	19903558
9	Scientific & Laboratory Equipments	1515542163	136029703.4	0	1651571866	838253573	100599922	0	938853495	712718371	677288590
10	Office Equipments	71250593	367784	0	71618377	44107924	3900473	0	48008397	23609980	27142669
11	Audio Visual Equipments	10036197	2004539	0	12040736	2494512	903056	0	3397568	8643168	7541685
12	Computers & Peripherals	281580665	34317265	0	315897930	238632037	25463822	0	264095859	51802071	42948628
13	Furniture, Fixtures & Fittings	142734299	15754227	0	158488526	64671779	11361940	0	76033719	82454807	78062520
14	Vehicles	14734008	0	0	14734008	6445274	1156380	0	7601654	7132354	8288734
15	Lib.Books & Scientific Journals	53698205	2014463	0	55712668	31194989	4234909	0	35429898	20282770	22503216
16	Small Value Assets	23387	0	0	23387	23387	0	0	23387	0	0
Total (A)		3943187144	1113657792	0	5056844936	1475335488	290343802	0	1765679290	3291165646	2467851656
17	Capital Work in Progress (B)	2273277800	128636686	1046337088	1355577398	-	-	-	-	1355577398	2273277800
Sl.No.	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/ Adjustment	Total Amortization	31.03.2019	31.03.2018
18	Computer Software	108175782	21356198	0	129531980	67810396	36667621	0	104478017	25053963	40365386
19	E-Journals	48689503	0	0	48689503	40505905	6543188	0	47049093	1640410	8183598
20	Patents	659470	2138189	0	2797659	92718	310851	0	403569	2394090	566752
21	SIEMENS' IP	0	51488606	0	51488606	0	5720956	0	5720956	45767650	0
Total (C)		157524755	74982993	0	232507748	108409019	49242616	0	157651635	74856113	49115736
Grand Total (A+B+C)		6373989699	1317277471	1046337088	6644930082	1583744507	339586418	0	1923330925	4721599157	4790245192

Note: The figure in column 'Deductions' under Gross Block against head Capital Work in Progress represents the transfer from Work in Progress to Assets during the year.

The figure in column 'Additions' during the year under Gross Block against Assets 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.

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SCHEDULE 4 (b): FIXED ASSETS-OTHERS (Sponsored Projects)

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2018-19				Net Block	
		Op Balance	Additions	Deductions	Cl Balance	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2019	31.03.2018
1	Land	0	0	0	0	0	0	0	0	0	0
2	Site Development	0	0	0	0	0	0	0	0	0	0
3	Buildings	0	0	0	0	0	0	0	0	0	0
4	Roads & Bridges	0	0	0	0	0	0	0	0	0	0
5	Tubewells & Water Supply	0	0	0	0	0	0	0	0	0	0
6	Sewerage & Drainage	0	0	0	0	0	0	0	0	0	0
7	Electrical Installation and Equipment	72030	0	0	72030	3602	3602	0	7204	64826	68428
8	Plant & Machinery	0	0	0	0	0	0	0	0	0	0
9	Scientific & Laboratory Equipments	7887715	89716439	0	97604154	1540320	7808332	0	9348652	88255502	6347395
10	Office Equipments	0	0	0	0	0	0	0	0	0	0
11	Audio Visual Equipments	95559	0	0	95559	7167	7167	0	14334	81225	88392
12	Computers & Peripherals	175100	150000	0	325100	70040	65020	0	135060	190040	105060
13	Furniture, Fixtures & Fittings	188000	0	0	188000	28200	14100	0	42300	145700	159800
14	Vehicles	45660	0	0	45660	4566	4566	0	9132	36528	41094
15	Lib.Books & Scientific Journals	0	0	0	0	0	0	0	0	0	0
16	Small Value Assets	0	0	0	0	0	0	0	0	0	0
Total (A)		8464064	89866439	0	98330503	1653895	7902787	0	9556682	88773821	6810169
17	Capital Work in Progress (B)	~	~	~	~	~	~	~	~	~	~
Sl.No.	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amort. Op Balance	Amorti. for the year	Deductions/ Adjustment	Total Amortization	31.03.2019	31.03.2018
18	Computer Software (SIEMENS)	839168902	0	0	839168902	335667561	335667561	0	671335122	167833780	503501341
19	E-Journals	0	0	0	0	0	0	0	0	0	0
20	Patents	0	0	0	0	0	0	0	0	0	0
21	SIEMENS' IP	0	0	0	0	0	0	0	0	0	0
Total (C)		839168902	0	0	839168902	335667561	335667561	0	671335122	167833780	503501341
Grand Total (A+B+C)		847632966	89866439	0	937499405	337321456	343570348	0	680891804	256607601	510311510

Note: * Scientific Laboratory Additions includes SIEMENS Assets of ₹8,61,70,594/- and Other Sponsored Projects Assets of ₹35,45,845/-.

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SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

		₹	₹
Sl.No.	Particulars	2018-19	2017-18
1	In Central Government Securities	0	0
2	In State Government Securities	0	0
3	Other approved Securites	0	0
4	Shares	0	0
5	Debentures and Bonds	0	0
6	Term Deposits with Banks	1280822364	1158141188
7	Others (to be specified)	0	0
	Total	1280822364	1158141188

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SCHEDULE 5 (a) : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE)

		₹	₹
Sl.No.	Particulars	2018-19	2017-18
1	Corpus Fund Investments	1214740544	1094962649
2	Staff Development Fund Investments	21680812	20523786
3	Maintenance Fund Investments	962340	915692
4	Depreciation Fund Investments	962340	915692
5	Student Welfare Fund Investments	14435086	13735374
6	ECC Fund Investments	14620764	13664894
7	Endowment Fund Investments	13420478	13423101
Total		1280822364	1158141188

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SCHEDULE 6 : INVESTMENTS ~ OTHERS

Sl.No.	Particulars	₹	
		2018-19	2017-18
1	In Central Government Securities	0	0
2	In State Government Securities	0	0
3	Other approved Securites	0	0
4	Shares	0	0
5	Debentures and Bonds	0	0
6	Others (to be specified)	0	0
	Total	0	0

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SCHEDULE 7 : CURRENT ASSETS

	₹	₹
Particulars	2018-19	2017-18
1. Stock		
a) Stores and Spares	0	0
b) Loose Tools	0	0
c) Publications	0	0
d) Laboratory chemicals, Consumables and glass ware	0	0
e) Building Material	0	0
f) Electrical Material	0	0
g) Stationery	0	0
h) Water supply Materials	0	0
2. Sundry Debtors		
a) Debts Outstanding for a period of exceeding six months	0	4621156
b) Other ()	16858475	28125643
3. Cash and bank Balances (inc.Stamp on Hand)		
Stamp on Hand :	279059	282526
a) With Scheduled Banks:-		
- In Current Accounts	69619188	12296314
- In Term Deposit Accounts	551480628	209293447
- In Savings Accounts	618351959	459911315
b) With Non-Scheduled Banks:-		
- In Term Deposit Accounts	0	0
- In Savings Accounts	0	0
4. Post Office-Savings Accounts	0	0
Total	1256589309	714530401

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SCHEDULE 7 : ANNEXURE A

Head of Account	Code	Name of the Bank	A/C-No	Amount in ₹
I. Savings Bank Account				
1. PLAN (Non Recurring) Account	A	SBI,NITT	10023882957	131713661
2. NON PLAN (Recurring) Account	B	SBI,NITT	10023882946	272315349
3. CANARA Bank Account	B	Theppakulam, Trichy	36127	216607
4. TEQIP:Account	C	SBI,NITT	10023883008	152556
5. ECC:Account	D	SBI,NITT	10023883064	22518693
6. CORPUS: other funds Account	F	SBI,NITT	10023883097	5612743
7. Research & Development Funds	G	SBI,NITT	10023883042	155370261
8. SCHOLARSHIPS Account	H	SBI,NITT	10023883019	4137209
9. Research Management Fund		SBI,NITT	33076404999	5241977
10. HP Account (Balance & Demand Remittance A/c)		SBI,NITT	30165680347	21072903
II. Current Account				
1. Service Tax Account		SBI,NITT	34837295014	270170
2. Student Fee Account		SBI,NITT	35821815354	10000
3. Foreign Exchange Transactions Account	HEK	SBI,NITT	10891414445	3509523
4. EIGHTY BATCH CHAIR FUND Account		SBI,NITT	36736417068	1217740
5. PG Fees Account		SBI,NITT	38127411825	62630969
6. Other Fees Account		SBI,NITT	38127412035	1980786
III. Term Deposits with Schedule Banks				
1. Plan Deposits				67850695
2. Non-Plan Deposits				421638173
3. R & C Funds				51991760
4. ECC Funds				10000000
Total				1239451775

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SCHEDULE 8 : LOANS, ADVANCES & DEPOSITS

	₹	₹
Particulars	2018-19	2017-18
1. Advance to Employees (Non-Interest Bearing)		
a) Salary	0	0
b) Festival	443417	1095767
c) LTC	0	0
d) Medical Advance	487307	82590
e) Other (to be specified)	0	0
2. Long Term Advance to Employees (Interest Bearing)		
a) Vehicles Loan	2587441	3277131
b) Home Loan	0	0
c) Other (to be specified)-Computer Loan	2629549	3166891
3. Advances and Other amount recoverable in Cash or in kind or for Value to be received:		
a) On Capital Account- Deposits with CPWD	119979283	196274369
b) To Suppliers	506590	506590
c) Other (to be specified)-Contingency Non-Plan:6915286 R&C : 748000	7663286	2824505
4. Prepaid Expenses		
a) Insurance	2066346	323927
b) Other Expenses	25356337	1036550
5. Deposits		
a) Telephone	53079	53079
b) Lease Rent	0	0
c) Electricity	12993790	13742270
d) AICTE, if applicable	0	0
f) Others (to be specified)	0	0
6. Income Accrued:		
a) On Investments from Earmarked/Endowment Funds	60265624	32333885
b) On Investment Others	5295516	2382386
c) On Loans and Advances	0	0
d) Others (includes income due unrealized)	0	0
7. Other-Current Assets receivable from UGC/Sponsored Projects		
a) Debit Balances in Sponsored Projects	719813547	628294779
b) Debit Balances in Fellowship & Scholarship(QIP)	1566761	1566761
c) Grants Receivables	0	0
d) Other Receivables	78036	78036
8. Claims Receivables	2862785	2862785
Total	964648694	889902301

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**SCHEDULES FORMING PART
OF
INCOME AND EXPENDITURE ACCOUNT**

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SCHEDULE 9 : ACADEMIC RECEIPTS

	₹	₹
Particulars	2018-19	2017-18
Fees from Students		
Academic		
1. Tuition Fee (426986853) Share of Corpus Fund(65000000)	491986853	453831648
2. Admission Fee	1053400	967000
3. Enrolement Fee / Convocation Fee	1769800	1272000
4. Library Admission Fee	12184500	12091000
5. Laboratory Fee / Computer Fee	16119200	16649881
6. Art & Craft Fee / Sports Fee	1581920	1277400
7. Registration Fee	2728800	2555200
8. Syllabus Fee/ MBA Fee	5055000	3710671
Total (A)	532479473	492354800
Examinations		
1. Admission Test Fee	0	0
2. Annual Examination Fee	4708490	3915269
3. Mark Sheet, Certificate Fee	1052177	1029935
4. Entrance Examination Fee	0	0
Total (B)	5760667	4945204
Other Fees		
1. Identity Card Fee	100	0
2. Fine / Miscellaneous Fee	2106432	1711723
3. Medical Fee	536533	289425
4. Transportation Fee/Bus Fare Collection	1080328	1399258
5. Hostel Fee	0	0
Total (C)	3723393	3400406
Sale of Publications		
1. Sale of Admission forms	740500	1325690
2. Sale of Syllabus and Question Paper, etc.	0	0
3. Sale of Prospectus including Admission Forms	0	0
Total (D)	740500	1325690
Other Academic Receipts		
1. Registration fee for Workshops, Programmes	227300	3692903
2. Registration fee (Academic Staff College)	0	0
Total (E)	227300	3692903
Grand Total (A+B+C+D+E)	542931333	505719003

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SCHEDULE 10 : GRANTS/ SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)

Particulars	CAPITAL			Total Capital	REVENUE	2018-19	2017-18
	Govt.of India MHRD	UGC			Govt.of India MHRD		
		Capital	Specific Schemes				
Balance B/F	159565194	0	0	0	118084277	277649471	239303246
Add : Receipts during the year	0	0	0	0	0	0	0
Grant	191200000	0	0	0	1537400000	1728600000	1458800000
Interest Income	0	0	0	0	0	0	0
Total	350765194	0	0	0	1655484277	2006249471	1698103246
Less : Refund to UGC	0	0	0	0	0	0	0
Less: Deficit balance 2015-16	0	0	0	0	0	0	54746652
Balance	350765194	0	0	0	1655484277	2006249471	1643356594
Less : Utilised for Capital Expenditure (A)	294080836	0	0	0	0	294080836	447800314
Balance	56684358	0	0	0	1655484277	1712168635	1195556280
Less : utilised for Revenue Expenditure (B)	0	0	0	0	1069533898	1069533898	917906809
Balance C/F (C)	56684358	0	0	0	585950379	642634737	277649471

A- Appears as addition to Capital Fund as well as additions to Fixed Assets during the year.

B- Appears as income in the Income & Expenditure Account.

C. i. Appears under Current Liabilities in the Balance Sheet and will become the opening balance next year.

ii. Represented by Bank balances, Investments and Advances on the assets side.

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SCHEDULE 11 : INCOME FROM INVESTMENTS

Particulars	Earmarked / Endowment Funds		Other investments	
	2018-19	2017-18	2018-19	2017-18
			₹	₹
1) Interest				
a) On Government Securities	0	0	0	0
b) Other Bonds/Debentures	0	0	0	0
2) Interest on Term Deposits	21646492	39112006	18708895	15532779
3) Income accrued but not due on Term Deposits/Interest bearing advance to employee	60265624	35196034	0	0
4) Interest on Savings Bank Accounts	156274	494358	0	0
5) Others (Specify)	0	0	0	0
Total	82068390	74802398	18708895	15532779
Transferred to Earmarked / Endowment Funds	82068390	74802398		
Balance	0	0		

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 12 : INTEREST EARNED

	₹	₹
Particulars	2018-19	2017-18
1) On Savings Accounts with Scheduled Banks	14589980	14660633
2) On Loans		
a) Employee/Staff	552785	337240
b) Others	0	0
3) On Debtors, EB (SD) and Other Receivables	855902	0
Total	15998667	14997873

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SCHEDULE 13 : OTHER INCOME

	₹	₹
Particulars	2018-19	2017-18
A. Income from Land & Building:		
1. Hostel Room Rent	36411500	18415340
2. License Fee Qtrs	6520974	2653753
3. Hire Charges of Auditorium/Play Ground/Convention Centre, Commercial Complex	8810885	8522302
4. Electricity charge recovered	55949624	36100581
5. Water charges recovered	1436520	179263
Total (A)	109129503	65871239
B. Sale of Institute's Publications (B)	0	0
C. Income from Holding Events:		
1. Gross Receipts from Annual Function/Sports Carnival	0	0
Less: Direct Expenditure incurred on the Annual Function/Sports Carnival		
2. Gross Receipts from Fetes	0	0
Less: Direct Expenditure incurred on the Fetes	0	0
3. Gross Receipts from Educational Tours	0	0
Less: Direct Expenditure incurred on the Tours	0	0
4. Others (to be specified and separately disclosed)	0	0
Total (C)	0	0
D. Others:		
1. Income from Consultancy	1517844	2532256
a) Honorarium to staff	0	9251775
2. RTI Fees	390	130
3. Income from Royalty	0	0
4. Sale of Application Form (Recruitment)	1925764	2359200
5. Misc. Receipts (Sale of Tender Form, Waste Paper etc.)	2483530	7608941
6. Profit on Sale/Disposal of Assets:-		
a) Owned Assets (under buy back purchase)		0
b) Assets received Free of Cost		0
7. Grants/Donations from Institutions,Welfare Bodies and International Organizations		0
8. Other (specify)		
a) Association and cultural fee	12866200	12775000
b) QIP Fellowship from AICTE	0	1566761
Total (D)	18793728	36094063
Grand Total (A+B+C+D)	127923231	101965302

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 14 : PRIOR PERIOD INCOME

	₹	₹
Particulars	2018-19	2017-18
1. Academic Receipts (COE Exp. Adjustment)	1716287	0
2. Income from Investments	0	0
3. Intrest earned	0	0
4. Other Income	315846	0
Total	2032133	0

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SCHEDULE 15 : STAFF PAYMENTS & BENEFITS (Etablissement Expenses)

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
a) Salaries and Wages	726948965	706245000
b) Allowances and Bonus	13397986	11053365
c) Contribution to Provident Fund/EPF	2205679	28176
d) Contribution to Other Fund (NPS)	26032449	21418054
e) Staff Welfare Expenses	2709156	1694538
f) Retirement and Terminal Benefits	237690216	115612781
g) LTC Facility	8933207	10725789
h) Medical Facility	24400280	20819197
i) Children Education Allowance	8251600	5219643
j) Honorarium (Non-Plan)	4984980	716547
Honorarium (ECC)	0	9251775
k) Others (Specify) Outsources exp.	98908567	94827567
Total	1154463085	997612432

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 16 : ACADEMIC EXPENSES

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
a) Laboratory Expenses /DOC	6701439	9231121
b) Field Work / Participation	0	361142
c) Seminar / Workshop	906341	1189997
d) Payment to Visiting Faculty	19568135	18806530
e) Examination	0	4879137
f) Student Welfare Expenses	9967427	14787748
g) Admission Expenses	2027416	1787175
h) Convocation Expenses	4207972	4034814
i) Publications	0	0
j) Stipend / Means-cum-Merit Scholarship	256749620	231993113
k) Subscription Expenses E-Journals	27312106	202197
l) Others (Specify)	0	0
a) Siemens COE Reaserch Expenses	9064313	1716287
b) Sports & Games, NCC/NSS,etc	3191430	2669501
Total	339696199	291658762

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SCHEDULE 17 : ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
A Infrastructure		
a) Electricity and Power	82053644	78314390
b) Water Charges	18999664	14137006
c) Insurance	728837	533631
d) Rent, Rates and Taxes (including Property Tax)	6644853	992774
B Communication		
e) Postage & Telegram	463504	535263
f) Telephone Fax and Internet Charges	4854345	5421816
C Others		
g) Printing and Stationary	4494667	4058695
h) Travelling and Conveyance Expenses	3998818	2019020
i) Hospitality	1402006	599544
j) Auditors Remuneration	482380	236215
k) Professional Charges	2280155	192726
l) Advertisement and Publicity	2959844	4534152
m) Magazines & Journals	2950240	11700
n) Others (Specify)		
Board/Finance Committee Meeting Exp.	1674447	2953069
Other Exp (IOE - 10000000/- + NIT Transit House - 250000/-+ Misc. Exp. 377310/-)	2561978	10627310
Total	136549382	125167311

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SCHEDULE 18 : TRANSPORTATION EXPENSES

Particulars	₹	₹
	2018-19 Non Plan	2017-18 Non Plan
1. Vehicles (Owned by Institution)		
a) Running Expenses	1798615	2250165
b) Repairs & Maintenance	1713828	905939
c) Insurance Expenses	429606	0
2. Vehicles taken on Rent / Lease		
a) Rent / Lease Expenses	1067457	579598
3. Vehicle(Taxi) hiring Expenses	88203	433936
Total	5097709	4169638

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 19 : REPAIRS & MAINTENANCE

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
a) Buildings	32555524	19956344
b) Furniture & Fixtures	1005410	724081
c) Plant & Machinery	130792	1201273
d) Office Equipments	130023	145342
e) Computers	105738	831322
f) Laboratory & Scientific equipment	1447171	3469710
g) Audio Visual equipment	128862	53188
h) Cleaning Material & Services	0	0
i) Book Binding Charges	0	0
j) Gardening	7462935	1686507
k) Estate Maintenance	24876572	16071044
l) Others (Specify)		
AMC	6885661	17500831
Total	74728688	61639642

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SCHEDULE 20 : FINANCE COSTS

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
a) Bank Charges	157227	75844
b) Others (Specify)	0	0
Total	157227	75844

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 21 : OTHER EXPENSES

Particulars	₹	₹
	2018-19 Non Plan	2017-18 Non Plan
a) Provision for Bad and Doubtful Debts / Advances	0	0
b) Irrecoverable Balances Written-Off	0	0
c) Grants/Subsidies to other Institutions/Organizations	0	0
d) Others (Excess provision made for receivable from AICTE written-off)	0	0
Total	0	0

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 22 : PRIOR PERIOD EXPENSES

Particulars	₹	₹
	2018-19	2017-18
	Non Plan	Non Plan
1. Establishment Expenses	0	0
2. Academic Expenses	0	0
3. Administrative Expenses	0	0
4. Transportation Expenses	0	0
5. Repairs & Maintenance	0	5283553
6. Other Expenses (GST Payment)	1435867	14584
Total	1435867	5298137

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**SCHEDULES FORMING PART
OF
ACCOUNTS**

SCHEDULE: 23

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF ACCOUNTS

The accounts are prepared under the Historical Cost Convention unless otherwise stated and generally on the Accrual method of accounting.

2. REVENUE RECOGNITION

- 2.1 Fees from Students (except Tuition Fees), Sale of Admission Forms/Tender Forms and Interest on Savings Bank account are accounted on cash basis. Tuition Fees collected separately for each semester is accounted on accrual basis.
- 2.2 Income from Buildings and Other Property and Interest on Investments are accounted on accrual basis.
- 2.3 Interest on interest bearing advances to staff for House Building, Purchase of Vehicles and Computers is accounted on Cash basis.
- 2.4 Interest on EB deposits with TANGEDCO is accounted on cash basis.

3. FIXED ASSETS AND DEPRECIATION

- 3.1 The Government of Tamil Nadu had provided land during 1964-65 for the formation of the Institute and the same was taken over by Government of India during 2003-04. The value fixed by State P.W.D. at its inception was ₹47.09 lakhs. The same value is exhibited in the accounts.

- 3.2 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
- 3.3 The Completed Capital Deposit works to the value of ₹ 90.60 Crore added to Fixed assets and the depreciation provided from the year of completion of work.
- 3.4 The depreciation amounts to ₹ 68,31,56,766/- for the Year 2018-19, of which ₹ 34,05,95,557/- is exhibited under Income and Expenditure Account and ₹ 34,25,61,209/- charged to the SIEMENS Asset Donated in Capital Fund.
- 3.5 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on Straight line method, at the following rates:

Tangible Assets:

1.	Land	0%
2.	Site Development	0%
3.	Buildings	2%
4.	Roads & Bridges	2%
5.	Tube wells & Water Supply	2%
6.	Sewerage & Drainage	2%
7.	Electrical Installation and equipment	5%
8.	Plant & Machinery	5%
9.	Scientific & Laboratory Equipment	8%
10.	Office Equipment	7.5%
11.	Audio Visual Equipment	7.5%
12.	Computers & Peripherals	20%
13.	Furniture, Fixtures & Fittings	7.5%
14.	Vehicles	10%
15.	Lib. Books & Scientific Journals	10%

Intangible Assets (Amortization):

1. E-Journals 40%
2. Computer Software 40%
3. Patents and Copyrights 9 years

3.6 Depreciation is provided for the whole year on additions during the year.

3.7 Assets created out of R &D Projects are shown separately in the Fixed Asset Schedule 4B. Depreciation is charged at the rates applicable to the respective assets.

3.8 Since there is difficulty in segregating the Fixed Assets purchased out of Sponsored Project Funds from Institute Funds, as some of the Assets were purchased many years ago; the following accounting policy with respect to Fixed Assets of sponsored projects is adopted. On completion of the Project, Assets will be transferred to the Institute Account with Accumulated Depreciation. The Fixed Assets purchased out of Sponsored Project Funds till 2014-15 have been continued to be Accounted as Assets of the Institute and provided Depreciation. The Fixed Assets purchased out of Sponsored Project Funds from 2015-16 have not been Accounted in the Institute Assets and shown in Notes on Accounts.

4. STOCK:

The institute is booking expenditure on spare parts, laboratory chemicals, consumables and other stores on cash basis as and when purchased and hence no closing stock for the same shown in the Balance Sheet. Franking stamp on hand alone is exhibited in schedule 7(3).

5. RETIREMENT BENEFITS

The Liability as on 31st March 2019, for Retirement Benefits were ascertained by Actuary. The details are as follows:

Particulars	Current ₹	Non-Current ₹	Total ₹
Gratuity	2,10,91,930	29,25,80,743	31,36,72,673
Leave Encashment	4,13,20,601	43,42,86,152	47,56,06,753
Total	6,24,12,531	72,68,66,895	78,92,79,426

6. INVESTMENTS

All investments are carried at their cost.

7. EARMARKED/ENDOWMENT FUNDS

7.1 Corpus and other funds:

Contribution to Corpus Fund by appropriation from Income and Expenditure account is made based on the following policy guidelines framed by the Board of Governors: -

- a) 50% of DASA Tuition Fee collection
- b) Overhead charges provided in the R & D sanctions

7.2 Staff Development Fund:

As per the resolution passed on the First Finance Committee 10% of collection in the Engineering Consultancy Centre has been credited to the fund.

Single Bank account is operated for these Funds. Entire amount is kept under investment and the income from investments are apportioned to the individual funds. The balance in the respective Funds is carried forward and is represented on the assets side by the balance at bank, Investments and accrued interest.

7.3 Endowment Fund:

Endowments are funds received from various donors for Prizes and Medals as specified by the donors. The income from investment of each Endowment is added to the Fund. The expenditure on Medals and Prizes is met from the interest earned on investment of the respective Endowment Funds and the balance is carried forward. The balances are represented by Investment and balance in the savings bank account. The interest from investments of the fund is accounted on cash basis.

8. GOVERNMENT GRANTS

Government Grants are accounted on realization basis. However, where a sanction for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as Grants receivables under Schedule 8(7.c)

To the extent utilized towards capital expenditure, (on accrual basis) Government grants are transferred to the Capital Fund under Schedule 1. Government grants for meeting Revenue Expenditure (on accrual basis) are treated, to the extent utilized, as income of the year. Unutilized grants are carried forward and exhibited under Schedule 3(6.d) as a liability in the Balance Sheet.

9. INVESTMENTS OF EARMARKED FUNDS AND INTEREST INCOME ACCRUED ON SUCH INVESTMENTS:

Interest received and interest accrued and due on such investments are added to the respective funds and not treated as income of the Institution.

10. SPONSORED PROJECTS

10.1 In respect of ongoing Sponsored Projects, the amounts/assets received from sponsors and expenditure incurred against such projects are exhibited under Schedule 3A.

10.2 Similarly Fellowships and Scholarships are exhibited under Schedule 3B.

11. INCOME TAX

The income of the Institution is exempt from Income Tax under Section 10(23c) of the Income Tax Act. No provision for tax is therefore required to be made in the accounts.

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SCHEDULE: 24

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

A. CONTINGENT LIABILITY

- A) An Arbitration Award of ₹ 6,72,60,900 is payable, along with simple Interest up-to the date of payment, to a Construction Contractor awaits MHRD direction.
- B) The details of the pending Court cases filed against the institution which were pending for decisions and the quantum of the claims that could not be ascertained is stated below:

Cases filed by	Number of cases
Faculty Members	2
Non-Teaching Staff	1
Others	32

B. NOTES TO ACCOUNTS

1. CAPITAL COMMITMENTS

All major construction works are being executed by the CPWD, Trichy Central Division functioning in the campus on deposit work basis as per the directive of MHRD, New Delhi. The deposits released to CPWD during the year 2018-19 is ₹5.23 crore. The completed deposit works to the value of ₹ 90.60 crore is added to the Fixed Assets in 2018-19. As on 31.03.2019, the total work-in-progress is ₹ 135.56 crore and the balance deposits available with CPWD is ₹ 12 crore.

2. FIXED ASSETS:

- 2.1 Additions in the year to Fixed Assets in Schedule 4 include Assets purchased out of Plan Funds ₹ 29,40,80,836/-, Sponsored Projects & Others ₹ 36,95,845/- and SIEMENS donated Assets Net value (Less Depreciation) ₹ 7,92,76,946/- (Gross Value ₹8,61,70,594/-). The Assets have been set up by credit to Capital Fund.
- 2.2 In the Balance Sheet as on 31.03.2014 and the Balance Sheets of earlier years, Fixed Assets created out of Plan funds, Fixed Assets created out of Non Plan funds and other funds were not exhibited distinctly. The additions during the years from 2014-15, from Plan funds and other funds, and the depreciation on those additions respectively have been exhibited in Sub Schedule 4A and 4B.

- 2.3 Fixed assets as set out in Schedule 4 does not includes assets purchased out of Funds of TEQIP Project, a Centrally Sponsored Scheme, being implemented as a World Bank Assistant Project, held and used by the Institution.

The details of such Assets are:

Assets	Original cost as on 1.4.2018	Additions during year 2018-19	Deductions during year 2018-19	Total as on 31.3.2019
	₹	₹	₹	₹
Building	1,24,61,820	-	-	1,24,61,820
Electrical Installation	3,49,973	-	-	3,49,973
Equipment & Tools	18,50,53,524	1,23,30,409	-	19,73,83,933
Computers & Peripherals	73,23,990	2,78,480	-	76,02,470
Computer Software	77,23,943	30,54,345	-	1,07,78,288
Furniture & Fixtures	41,37,183	-	-	41,37,183
Library Books	2,77,31,981	-	-	2,77,31,981
Total	24,47,82,414	1,56,63,234	-	26,04,45,648

- 2.4 Fixed assets in Schedule 4 does not includes assets purchased out of Funds of Sponsored Projects during the year 2018-19.

The details of such Assets are:

Assets	Original cost as on 1.4.2018	Additions during year 2018-19	Deduction/ Capitalized	Total	Notional Depreciation Opening Balance	Notional Depreciation for the year 2018-19	Deduction/ Acc. Depreciation	Total Notional Depreciation	Total Book value as on 31.3.2019
	₹	₹	₹	₹	₹	₹	₹	₹	₹
Equipment & Tools	47859008	24014456	4036064	67837400	6637250	5426992	598779	11465463	56371937
Computers & Peripherals	2225160	5721462	-	7946622	807556	1589324	-	2396880	5549741
Computer Software	2899206	188320	-	3087526	2058956	785373	-	2844329	243197
Total	52983374	29924238	4036064	78871548	9503762	7801689	598779	16706672	62164875

2.5 **SIEMENS - COE Accounts** - Treatment in Institute Accounts for the Funds released by the Institute through MHRD Grants during the year 2017-18, Total Fund released is ₹ 18,89,63,569/-

NITT Portion	Amount ₹	2017 - 2018			2018 - 2019			Exhibition in Annual Accounts 2018 - 19
		Capital	Revenue	WIP	Capital	Revenue	Current Assets & Advances	
Service	24856740	-	-	24856740	-	8285580	16571160	Schedule 16 and 8
IP (Research)	51488606	-	1716287	49772319	51488606	-	-	Schedule 4
Software	46809354	46809354	-	-	-	-	-	
Hardware	65808870	-	-	65808870	65808870	-	-	Schedule 4
Total	18,89,63,569	46809354	1716287	140437929	117297476	8285580	16571160	

2.6 **Siemens grant and treatment of assets in NITT's books of accounts**

An agreement among NITT, Siemens Industry Software (India) Private Limited (SISW) and Advanced Manufacturing, Automation & Robotic Technology (AMER Tech) entered on 18.08.2017 to set up State of Art of Excellence-Center of Excellence (COE) in manufacturing technology at NITT. As per the agreement to set up COE, AMER Tech would supply an amount of ₹ 172.34/- crore in form of material (software, hardware and courseware). NITT has made payment of ₹ 18.89/- crore (Inclusive of tax) as its contribution. The Treatment of Siemens Grant in the NITT Books of Accounts is as detailed below: -

Siemens Portion	Amount ₹	2017 - 2018			2018 - 2019		Exhibition in Annual Accounts 2018 - 19
		Capital	Project	Balance	Capital	Project	
Service	39771155	-	-	39771155	-	39771155	Schedule 3(a) and 8
IP (Research)	758301225	-	649960116	108341109	-	108341109	Schedule 3(a) and 8
Software	839168902	839168902	-	-	-	-	
Hardware	86170594	-	-	86170594	86170594	-	Schedule 1 and 4
Total	1723411876	839168902	649960116	234282858	86170594	148112264	

3. EXPENDITURE IN FOREIGN CURRENCY:

- a. Telegraphic Transfer
- b. Foreign Drafts etc.
- c. Others.

Expenditure and Earnings are recorded at the prevailing rate on the date of the transaction based on the demands raised by State Bank of India, Heavy Electricals, Kailasapuram branch.

4. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS

In the opinion of the Management, the current assets, Loans, Advances and Deposits have a value on realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.

- 5. The details of balances in Saving Bank Accounts, Current Accounts and Fixed Deposit Accounts with Banks are enclosed as attachment 'A' to the Schedule of Current Assets Schedule 7.
- 6. Previous year's figures have been regrouped wherever necessary.
- 7. Figures in the Final accounts have been rounded off to the nearest rupee.
- 8. Schedules 1 to 24 are annexed to and form an integral part of the Balance Sheet at 31st March 2019 and the Income & Expenditure account for the year ended on that date.

9. As the Provident Fund Account and the New Pension Scheme Account are owned by the members of those funds and not by the Institution, these accounts were separated from Institutions' Accounts from 2014-15. A Receipts & Payments Account, an Income & Expenditure Account (on Accrual Basis) and a Balance Sheet of the Provident Fund Account as well as the New Pension Scheme for the year 2018-19 have been attached, to the Institutions' Accounts.

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RECEIPTS AND PAYMENT ACCOUNT

National Institute of Technology, Tiruchirappalli-620 015
Receipts and Payments Accounts for the Period/Year Ended 31.03.2019

₹

₹

Receipts	2018-19	Payments	2018-19
I. Opening Balance		I. Expenses	
a) Cash Balance	0	a) Establishment Expenses	1041106200
b) Bank Balance		b) Academic Expenses	297867477
i. In current accounts	12296314	c) Administrative Expenses	122041529
ii. In deposit accounts	1367434635	d) Transportation Expenses	4740966
iii. Savings accounts	459911315	e) Repairs & Maintenance	51013268
II. Grants Received		f) Prior Period Expenses	1435867
a) From Govt of India	1728600000	g) Finance cost	156696
Grant receivable received		II. Payments Against Earmarked/	266463
b) From State Government	0	III. Payments Against Sponsord	152222898
c) From other Sources	0	IV. Payment against Sponsored	28727869
III. Academic Receipts	470840500	V. Investments and Deposits made	1108616421
IV. Receipts Against Earmarked/	66646179	a) Out of Earmarked/	671507425
V. Receipts Against Sponsord	218675324	b) Out of own funds (others)	963977353
Sponsored Project : 216223752		VI. Term Deposits with Scheduled Banks	0
TEQIP : 2451572		VII. Expenditure on fixed Assets and	
VI. Receipts against Sponsored	39495829	a) Fixed Assets	146388208
VII. Income Investments From		b) Capital Works-in Progress	52341600
a) Earmarked/Endowment funds	56842526	VIII. Other Payments including statutory	0
b) Other Investments	16785629	IX. Refunds of Grants	0
VIII. Interest Received on		X. Deposits and Advances	619372219
a) Bank Deposits/EB Deposit	855902	XI. Other Payments.- Sundry Creditors	174307205
b) Loans and Advances	552785		
c) Savings Bank Accounts	14562199	XII. Closing Balances	
IX. Investments encashed	1573484778	a) Cash in hand	0
X. Term Deposits with Scheduled	1170613798	b) Bank Balances	
XI. Other Income (inc. Prior period income)	123832837	in Current Accounts	69619188
XII. Deposits and advances	606807610	in Savings Accounts	618351959
XIII. Miscellaneous Receipts including	28125643	in Deposit Accounts	1832302992
XIV. Any Other Receipts	0		
Total	7956363803	Total	7956363803

GPF AND NPS ACCOUNTS

National Institute of Technology, Tiruchirappalli-620 015
Provident Fund Account Balance Sheet as at March 31, 2019

Liabilities	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18	Assets	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18
GPF					
Opening Balance	177813187	158061276	Investment	213120245	181659621
Less: Subscription for March 2018	3965700	3330295	Inf.acrued as on 31/03/19	6091801	5060665
			Subscription Due in the Year	3580	
Add: Subscriptions in the year	50142551	42223947	Subscription Due for March,2019		
Add: Subscriptions for March 2019	4069251	3965700	GPF	4069251	3965700
Add: Interest Credited	14318074	12266469	CPF	0	0
Less: Advance / Withdrawal	35314323	35373910	UC due to CPF	0	0
Closing Balance	207063040	177813187	NPS-II	0	0
			Tax Recovered from interest on		
CPF			investments Pending refund from income	0	0
Opening Balance	0	0	Tax Department		
Less: Subscription for March 2017	0	0			
Add: Subscriptions in the year	0	0	Cash at Bank		
Add: Subscriptions for March 2018	0	0	SBI, Branch-1	11802185	15693213
Add: Interest Credited	0	0	Other Bank	0	0
Less: Advance / Withdrawal	0	0			
Closing Balance	0	0			
University Contribution(CPF)					
Opening Balance	0	0			
Less: Subscription for March 2017	0	0			
Add: Subscriptions in the year	0	0			
Add: Subscriptions for March 2018	0	0			
Add: Interest Credited	0	0			
Less: Advance / Withdrawal	0	0			
Closing Balance	0	0			
NPS Tier-II Account					
Opening Balance	0	0			
Less: Subscription for March 2017	0	0			
Add: Subscriptions in the year	0	0			
Add: Subscriptions for March 2018	0	0			
Add: Interest Credited	0	0			
Less: Advance / Withdrawal	0	0			
Closing Balance	0	0			
Interest Reserve					
Opening Balance	28566012	28242101			
Add: Excess of income over Expenditure	-541990	323911			
Closing Balance	28024022	28566012			
Total	235087062	206379199	Total	235087062	206379199

National Institute of Technology, Tiruchirappalli-620 015

Provident Fund Account Income and Expenditure Account for the year ended 31.03.2019

Expenditure	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18	Income	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18
Interest Credited to:			Interest earned on Investment	12744948	13429890
GPF Account	14318074	12266469	Add: Interest Accrued on 03/19	6091801	5060665
CPF Account	0	0	Add: Tax recovered on interest- Refund to be obtained	0	0
University Contribution(CPF)	0	0	Less: Interest accrued for March 18	5060665	5900175
NPS Tier-II Account	0	0	Excess of Expenditure over Income	541990	0
Excess of Income over Expenditure	0	323911			
Total	14318074	12590380	Total	14318074	12590380

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Provident Fund Account Receipts and Payments Accounts for the Financial Year 2018-19

Receipts	Amount in ₹	Payments	Amount in ₹
Opening Balance as on 1/4/18		GPF Adv./Withdrawal	35314323
SBI, Branch - I	15693213	CPF Adv./Withdrawal	0
SBI, Branch - II	0	NPS Tier-II	0
Bank	0	University Contribution Withdrawal	0
GPF Subscription	50138971	Investment during the year	187257413
CPF Subscription	0		
CPF University Contribution	0		
NPS Tier-II Account	0	Closing Balance:-	
Investment Encashed	155796789	SBI, Branch-I	11802185
Interest Received	12744948	Bank	0
Total	234373921	Total	234373921

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NPS Tier-I Account Balance Sheet as at March 31, 2019

Liabilities	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18	Assets	Amount in ₹ 31-Mar-19	Amount in ₹ 31-Mar-18
NPS Tier-I Account			NPS Tier-I Account		
Opening Balance	3587048	2879730	Subscription and contribution due for 3/19	4683382	3161248
Less: Subscription for March 2018	3161248	2481284	Investment	0	0
Add: Subscriptions U Contribution	60249175	32192586	Interest Accrued but not due	0	0
Add: Interest Credited	0	0	Balance at Bank	2059342	1932003
Less: Transferred to NSDL	60243060	32165232			
Add: Subscription UC for 3/2019	4683382	3161248			
Closing Balance	5115297	3587048			
Excess of income over Expenditure	0	0			
Balance As on 1.4.2018	1506203	4205501			
Add: During the Year	121224	0			
Less: Excess of Expenditure over Income	0	2699298			
Total	6742724	5093251	Total	6742724	5093251

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NPS Tier- I Account Income and Expenditure Account for the Financial year 2018-19

Expenditure	Amount in ₹	Amount in ₹	Income	Amount in ₹	Amount in ₹
Interest Credited to:					
Subscribers' Accounts	0	3475873	Interest earned on Investment/Savings Bank	121224	776575
Bank Charges	0	0	Less: Interest accrued for 31.03.2018	0	0
			Interest accrued but not due	0	0
Excess of Income over Expenditure	121224	0	Excess of Expenditure over Income	0	2699298
Total	121224	3475873	Total	121224	3475873

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National Institute of Technology, Tiruchirappalli-620 015
NPS Tier- I Account Receipts and Payments Accounts for the Financial Year 2018-19

Receipts	Amount in ₹	Payments	Amount in ₹
Opening Balance as on 1/04/18	1932003	Investment	0
NPS Tier - I Account	0	Withdrawar/Refund to NSDL	60243060
Own Subscription	30127645		
University Contribution	30121530		
Interest Received on Investment	0		
Interest on Savings bank Account	121224		
Investment Encashed	0	Closing Balance as on 31/03/2019	2059342
Total	62302402	Total	62302402

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