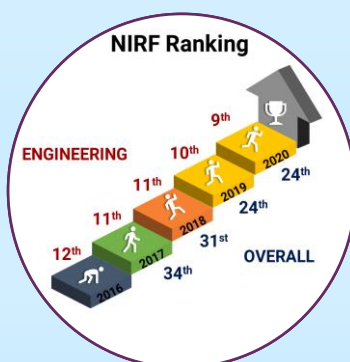


# ANNUAL REPORT

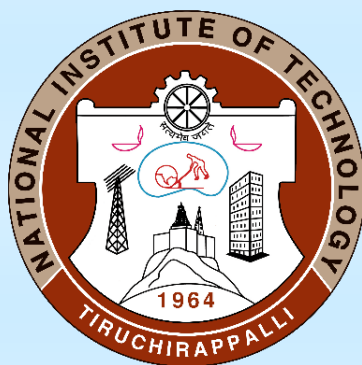
## 2019-20

NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI



# ANNUAL REPORT

## 2019-20



NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI

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## DIRECTOR'S FOREWORD

For the world, 2020 was the most difficult year, and it was no different for the Institute, as the pandemic raged from March 2020. We witnessed unprecedented disruption to the education system!

I am glad we had the will power, infrastructure, and resources to adapt quickly to the new norm, as we could read the signs knowingly or unknowingly. Not only we were/are just adapting, our records show that we have, indeed, continued to perform and reach newer heights since March 2020! Resilience showed by Faculty, staff and students are appreciated and my congratulations to all!



I wish to highlight some of the achievements of 2019-20, I am proud say that we are the only NIT to achieve these feats!

1. Our rankings in NIRF have improved, again. We made an impact, 5<sup>th</sup> year in a row by moving to 9<sup>th</sup> position in the Engineering category in 2020 and No.1 position among all the NITs. The Institute has improved on all the NIRF parameters over the years. NIRF Task Force and Data Intelligence Team co-ordinated to achieve the recognition. Congratulations!
2. I am happy to announce that NIT Tiruchirappalli is the only NIT to appear in the QS world University Rankings by subject announced on 4<sup>th</sup> March 2021, we are in the 451-500 rank bracket in both Electrical & Electronics and Mechanical Sciences. Congratulations!
3. The Institute is now a part of the National Supercomputing Mission (NSM) a Supercomputer is being installed at an investment of Rs. 17 Crores. I congratulate Dr. Ramakalyan and team who submitted the proposal.
4. We have an exclusive Innovation Facilitation Centre set up by the National Research Development Corporation (NRDC)
5. We inaugurated a new Centre of Artificial Intelligence, IOT and Intelligent machines. Few more Centres of Excellence are being commissioned. We invested around Rs. 300 Crores to promote interdisciplinary research in the last 3 years. My Congratulations to the former Dean R&C Dr. M. Umapathy and his team, and the coordinators of all the CoEs.
6. We are part of the Prime Minister's Research Fellowship (PMRF) mission, being in the top 25 Institutions in India.

Our strategic plan, which was unveiled 2 years ago and implemented effectively, with periodic review and follow up, has kept us on track and shown results in terms of publication, patents and projects.

1. Publications in Web of Science journals in 2019 were 768 and in Scopus indexed journals were 1160 an increase of 35% with 73% in Q1 and Q2 quartiles indicating the superior quality of our publications

2. In 2019-20, 40 Sponsored projects have been awarded amounting to Rs.34 Crores. Consultancy revenue increased to Rs. 6 Crores, thanks to the consistent efforts of the faculty and to the CoE in Manufacturing. ISRO Space Technology Innovation Centre is executing 6 projects to the tune of 1.6 Crores.
3. The Institute has published 20 Patents and 2 were granted in 2019 which is a significant leap in the history of our Institute
4. Our ties with Industry and sister Institutions are becoming stronger, with signing of MoUs with IIT Delhi, MSME, NRDC, C-DAC, Tata Steel, Texas Instruments, Micron, Nvidia, Tamil Nadu National Law University and CPRI to name a few
5. By the Atal Innovation Rankings-2020- NIT Trichy is in the top 25 among Govt. Institutions. We are entrusted many responsibilities by the Ministry of Education and NIT Trichy successfully completed the coordination of CSAB (Central Seat Allocation Board) 2019 smoothly. I congratulate Dr. S. T. Ramesh and Dr. G. Subbaiyan, the CSAB coordinators for this feat.

Top Faculty performers were recognized for their overall performance on 5<sup>th</sup> September 2020, Teachers day and 27 Faculty won Best Performer Awards under 5 different cadres, in 4 different streams. For the first time, Research Scholars were also evaluated for Budding Researcher Award. We also recognized 3 Staff members for their contributions.

NIT Trichy saluted the COVID warriors of the Institute during the Independence day 2020. Congratulations to the Medical team for keeping us healthy, Security team for the safe and secure campus, Computer Support group for online support, Dean SW and Hostel administration for managing the students, Dean FW & Recruitment cell for the photo finish Faculty recruitment. The Student Council, Snehith Galla and his team for all the help. Special thanks to the Academic Office, Dr. S. Shanmugam, former Dean Academic and his team. Gratitude to Mr. A. Palanivel and Prof. L. Cindrella Former Registrars, all ARs and Main office staff for uninterrupted pay cheques & more. We are tackling COVID well!

The Institute has become more vibrant and younger with the addition of 68 new Faculty members during the Pandemic, including 21 Women faculty, adding geographic, demographic and cultural diversity to the Campus community.

If the recruitment drive brought two generations of intellectual pursuit together, the Global Alumni meet, hosted along with RECAL on 4<sup>th</sup> January 2020 in Chennai brought 1200 Alumni from across the world. The meet resulted in a promise of 4 projects that include a heritage Centre which will be a reality soon. Dr. Raman Sankaranarayanan, Former Dean (ID & AR) and his team along with RECAL co-ordinated this event, thank you!

We have not only been making strides in teaching and research! In a significant development, to make the campus eco-friendly and sustainable, we initiated a large-scale greening of the campus and, accordingly, we planted 6000+ saplings in the last 2 years. A small Miyawaki forest is in the making.

While I am proud of the achievements of NIT Trichy on all aspects so far, we have much more potential yet to be realized.

With the Ministry of Education preparing to implement the National Education Policy, we must prepare ourselves to embrace some of the features which will propel the Institute further, towards achieving our Strategic Plan goals. We are already aligned with NEP2020, with flexible curriculum, credit transfer from few Institutions, collaborations with Industry and research Institutions to name a few. We are already a Multidisciplinary Educational and Research Institution (MERU) with 17 Departments in Engineering, Sciences, Humanities, Management studies, and we started an MA program in English, M.Tech. in Geotechnical Engineering and M.Tech. Industrial Automation this academic year. We are also moving toward starting online PG Degree programs in line with increasing the GER, as per NEP 2020. We are appointed the National MOOCs coordinator for UG and PG Engineering programs by the MoE, and are in the process of developing new courses for SWAYAM platform.

With the National Research foundation being established soon and moving to teaching Engineering in Regional Languages, we have much to challenge ourselves as NEP gets implemented, I request all stakeholders to be ready to develop innovative solutions, and contribute more to the society and neighbourhood around us.

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**

## 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 (fifth year in a row) and ninth 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 MoE, 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 contributions and achievements in 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, 28 Masters Programme, MS (by Research) and Ph.D. Programmes in major fields of Engineering, Sciences, Humanities and Management. There are around 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 (BoG)

1	Shri. Bhaskar Bhat, Director, Tata Sons and former Managing Director, TITAN Company	Chairperson
2	Director, National Institute of Technology, Tiruchirappalli.	Ex-Officio
3	Special Secretary or Additional Secretary or Joint Secretary dealing with Technical Education, Department of Higher Education, Ministry of HRD	Member
4	Financial Adviser, Department of Higher Education, Ministry of Education	Member
5	Shri Karamuttu T. Kannan, CEO - Thiagarajar Mills (P) Ltd	Member
6	Shri. P. R. Venketrama Raja, Chairman and Director, Ramco Cements Ltd	Member
7	To be nominated by NITSER Council	Member
8	To be nominated by NITSER Council	Member
9	Dr. S. Kumanan, Professor (HAG), Department of Production Engineering, NIT – Tiruchirappalli	Member
10	Dr. S. Jerome, Asst. Professor, Department of MME, NIT, Tiruchirappalli	Member
11	The Director of IIT- Madras, or his nominee not below the rank of Professor – Prof. Krishnan Balasubramanian, Professor of Mechanical Engg, IIT- Madras	Member
12	Registrar, National Institute of Technology – Tiruchirappalli	Secretary

Department of Higher Education, Ministry of Education, Government of India had reconstituted the Board of Governors of NIT, Trichy, vide 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 BoG met on the dates mentioned below:

Date	BoG Meeting	Venue
27 <sup>th</sup> April 2019	54 <sup>th</sup>	IIT Delhi
06 <sup>th</sup> July 2019	55 <sup>th</sup>	NIT Transit House, Delhi
28 <sup>th</sup> Sep 2019	56 <sup>th</sup>	NIT Tiruchirappalli
14 <sup>th</sup> Dec 2019	57 <sup>th</sup>	NIT Transit House, Delhi
21 <sup>st</sup> March 2020	58 <sup>th</sup>	IIT Madras

#### DIRECTORS OF NIT, TIRUCHIRAPPALLI

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

#### PRINCIPALS/DIRECTORS

S. No.	Name	Period	
		From	To
	PRINCIPALS		
1	Prof. P.S. Manisundaram	1964	1982
2	Prof. S. Nagarathinam	1982	1990
3	Prof. B. Ilango	1990	1995
4	Dr. P. Aravindan	1997	2000
5	Dr. M. Arumugam	2000	2003
	DIRECTORS		
6	Dr. M. Chidambaram	2005	2010
7	Dr. Srinivasan Sundarajan	2011	2016
8	Dr. (Mrs) Mini Shaji Thomas	2016	Till present



**OFFICIATING PRINCIPALS/DIRECTORS**

S. No.	Name	Period	
		From	To
1	Dr. C.R. Kandaswamy	Sept, 1993	Feb, 1994
2	Dr. K.L.P. Mishra	Sept, 1995	April, 1997
3	Dr. P. Subramaniam	Oct, 2003	Oct, 2005
4	Dr. V. Sivan	Sept, 2010	Dec, 2010
5	Dr. Sandeep Sancheti	Dec, 2010	June, 2011
6	Dr. G. Kannabiran	June, 2016	Nov, 2016

**3. 2. COMMITTEES AT NIT, TIRUCHIRAPPALLI****3. 2. 1. Finance Committee (FC)**

All matters relating to finance are dealt with by the Finance Committee, which 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
<b>Two members Nominated by the Government of India</b>		
Joint Secretary & Financial Advisor, IFD	Dept. of Higher Education, MoE, Government of India, Delhi – 110 001	Member Ex-officio
Joint Secretary (Technical Education)	Dept. of Higher Education, MoE, Government of India, Delhi – 110 001	Member Ex-officio
<b>One member Nominated by Board among the Board Members</b>		
Dr. Kumanan, Professor (HAG), Department of Production Engineering	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
06 <sup>th</sup> July 2019	40 <sup>th</sup>	NIT Transit House, Delhi
28 <sup>th</sup> Sep 2019	41 <sup>st</sup>	NIT Tiruchirappalli
14 <sup>th</sup> Dec 2019	42 <sup>nd</sup>	NIT Transit House, 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:

<b>Director, NIT, Tiruchirappalli</b>	<b>Chairperson</b>
<b>Members</b>	
Dr. Samson Mathew, Dean (Planning & Development) I/C, NIT Tiruchirappalli.	Mr. K. Rajendran, Superintending Engineer (Civil Section), CSIR, Karaikudi
Dr. V. Jagadeesh Kumar, Professor, Department of EEE, IIT Madras	Dr. K. Muthukumar, Professor, Department of Civil Engineering, NIT Tiruchirappalli.
<b>Registrar, NIT, Tiruchirappalli – 620 015</b>	<b>Member Secretary</b>

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

Date	B & WC Meeting	Venue
18/06/2019	22 <sup>nd</sup>	OOM Room, NIT, Tiruchirappalli
23/09/2019	23 <sup>rd</sup>	OOM Room, NIT, Tiruchirappalli
10/12/2019	24 <sup>th</sup>	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 – 560034

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.

Date	Meeting	Venue
30/05/2019	44 <sup>th</sup>	A13 Hall, NIT, Tiruchirappalli
26/06/2019	45 <sup>th</sup>	A13 Hall, NIT, Tiruchirappalli
15/10/2019	46 <sup>th</sup>	A13 Hall, NIT, Tiruchirappalli
03/12/2019	47 <sup>th</sup>	A13 Hall, NIT, Tiruchirappalli
02/01/2020	48 <sup>th</sup>	A13 Hall, NIT, Tiruchirappalli
23/03/2020 (agenda & notes circulation) 24/03/2020 (agenda & notes confirmation)	49 <sup>th</sup>	Due to COVID-19, the agenda and notes of Senate was circulated through e-mail to senate members and were further confirmed

### 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	Four visitor's nominees
	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)
--	--

Total number of times the Selection Committee met during 2019 – 2020: 49 times

### 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:**

<b>Chairman</b>	The Director, NIT, Tiruchirappalli – 620 015
<b>Members</b>	One expert from outside the Institute
	Nominee of Ministry of Education
	Head of the Department Concerned
	Registrar

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

<b>Chairman</b>	The Director, NIT, Tiruchirappalli – 620 015
	One expert from outside the Institute
<b>Members</b>	Nominee of Ministry of Education
	Registrar

Total number of times the Selection Committee met during 2019 – 2020: 6 times

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

<b>Chairman</b>	The Director, NIT, Tiruchirappalli – 620 015
<b>Members</b>	One expert from outside the Institute
	Nominee of Ministry of Education
	Nominee of the Board
	Registrar

### Faculty / Staff Appointed from 01/04/2019 To 31/03/2020:

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

S. No.	Name	Designation	Date of Joining
1	Dr. K Shankar	Assistant Professor Grade-II	23/03/2020
2	Dr. M Prabha	Assistant Professor Grade-II	23/03/2020
3	Dr. Ankur Singh Rana	Assistant Professor Grade-II	23/03/2020
4	Dr. S Yamini	Assistant Professor Grade-II	23/03/2020
5	Dr. Jaganathan VM	Assistant Professor Grade-II	24/03/2020

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

S. No.	Name	Designation	Date of Joining
1	Dr. M. Malaimala Sarasveni	Medical Officer	29/06/2019
2	T. Karthick Raja	Technical Officer	20/12/2019
3	R. Parameswaran	Deputy Librarian	07/01/2020
4	H. Faizal Ahamed	Technical Officer	09/01/2020
5	Dr. C. Roobala	Scientific Officer	13/01/2020
6	G. Girish Kumar	Sr. Technical Officer	20/01/2020
7	A. Amalan Joseph Antony	Technical Officer	20/01/2020
8	Dr. S. Siva Chidambaram	Librarian	30/01/2020

### 3.3. STAFF POSITION

The sanctioned strength against the actual staff in position as on 31/03/2020 is furnished below:

S. No.	Category	Sanctioned Strength	Staff in Position
1	Director	1	1
2	Professor	100	67
3	Professor (HAG)		26
4	Associate Professor	75	75
5	Assistant Professor	218	76
6	Group-A & Admn. Staff	137	67
7	Technical Staff	236	79
8	Other Staff	59	51

**Faculty who retired during the period from 01.04.2019 to 31.03.2020:**

S. No.	Name of the Staff	Designation	Department	Date of Retirement
1	Dr. Narayanasamy R	Professor (HAG)	Production	30/04/2019
2	Dr. S. Raghavan	Professor (HAG)	ECE	31/07/2019
3	Mr. Jayashankar R	Associate Professor	Civil	31/01/2020
4	Dr. D. Deivamoneyselvam	Professor	Mathematics	31/03/2020

**Non-Faculty who retired during the period from 01/04/2019 to 31/03/2020:**

Sl.No.	Name of the Staff	Designation	Department	Date of Retirement
1	P. Subbulakshmi	Sr. Superintendent	Office	30/04/2019
2	B. Kalaiselvi	Sr. Superintendent	Office	30/04/2019
3	S. Anbarasu	Assistant Engineer	EMD	31/05/2019
4	G. Nagarajan	Sr. Attendant	Security Office	31/05/2019
5	P. Ramalingam	Technician (SG-I)	Office	30/06/2019
6	C. Krishnan	Attendant (SG-I)	O/o Dean (SW)	30/06/2019
7	P. Janakaraj Sharma	Security Guard (SG-I)	Security Office	30/06/2019
8	A. Micheal Raj	Technician (SG-I)	Mechanical	31/01/2020

**Faculty who took VRS during the period from 01/04/2019 to 31/03/2020:**

S. No.	Name of the Staff	Designation	Department	Date of VRS
Nil				

**Non-Faculty who took VRS during the period from 01/04/2019 to 31/03/2020:**

S. No.	Name of the Staff	Designation	Department	Date of VRS
1	R. Rajeshwari	Sr. Attendant	Chemistry	31.01.2020

**Faculty who expired while in service during the period from 01/04/2019 to 31/03/2020:**

S. No.	Name of the staff	Designation	Department	Date of Demise
Nil				

**Non-Faculty who expired while in service during the period from 01/04/2019 to 31/03/2020:**

Sl. No.	Name of the staff	Designation	Department	Date of Demise
Nil				

### 3. 4. FINANCE AND ACCOUNTS

The Union, Ministry of Education, 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 2019-20 is presented in the appendices A & B.

#### 4. STRATEGIC PLANNING GROUP

Financing of centrally funded Higher Education Institutions is undergoing a major change and NIT Tiruchirappalli 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 Javadekar, 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.



NIT Tiruchirappalli / Strategic Plan 2019-24 / Oct-2018

Locally Relevant Globally Competitive

## **5. ACADEMIC PROGRAMMES AND AWARD OF DEGREES**

The Institute has 17 Academic departments and runs 10 UG Programmes, 28 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. Chemical Engineering
2. Process Control and Instrumentation
3. Transportation Engineering and Management
4. Construction Technology and Management
5. Structural Engineering
6. Environmental Engineering
7. Data Analytics
8. Computer Science and Engineering
9. Energy Engineering
10. Power Electronics
11. Power Systems
12. Communication Systems
13. VLSI System
14. Industrial Safety Engineering
15. Thermal Power Engineering
16. Material science and Engineering

17. Industrial metallurgy
18. Welding Engineering
19. Industrial Engineering and Management
20. Manufacturing Technology
21. Non-Destructive Testing

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

1. Energy Efficient and Sustainable Architecture

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

1. Chemistry
2. Computer Science
3. Mathematics
4. 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 2019-20**

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), 10% for Economically Weaker Sections (EWSs), 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 2019-20**

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

S. No.	Category	UG	PG	Total
1	Foreign Nationals	23 (other than India)	1	24
2	Scheduled Castes	155	120	175
3	Scheduled Tribes	79	49	128
4	Physically Handicapped	39	7	46
5	EWS	103	17	120
6	OBC	298	246	544
7	DASA	127	1	128



S. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Arch.	M.Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1	Architecture	57	-	24	-	-	-	-	-	7	88
2	Chemical Engineering	-	91	-	50	-	-	-	-	4	145
3	Chemistry	-	-	-	-	21	-	-	-	11	32
4	Civil Engineering	-	129	-	122	-	-	-	-	13	264
5	Computer Applications	-	-	-	27	14	112	-	-	9	162
6	Computer Science and Engineering	-	153	-	27	-	-	-	3	16	199
7	CECASE	-	-	-	-	-	-	-	-	5	5
8	Electrical and Electronics Engineering	-	143	-	61	-	-	-	2	15	221
9	Electronics and Communication Engineering	-	146	-	61	-	-	-	2	22	231
10	Energy and Environment	-	-	-	27	-	-	-	1	6	34
11	Humanities and Social Sciences	-	-	-	-	-	-	-	-	17	17
12	Instrumentation and Control Engineering	-	130	-	-	-	-	-	-	6	136
13	Management Studies	-	-	-	-	-	-	101	-	10	111
14	Mathematics	-	-	-	-	20	-	-	-	10	30
15	Mechanical Engineering	-	142	-	64	-	-	-	1	12	219
16	Metallurgical and Materials Engineering	-	82	-	69	-	-	-	-	15	166
17	Physics	-	-	-	-	21	-	-	1	16	38
18	Production Engineering	-	126	-	63	-	-	-	1	19	209
<b>TOTAL</b>		<b>57</b>	<b>1142</b>	<b>24</b>	<b>571</b>	<b>76</b>	<b>112</b>	<b>101</b>	<b>11</b>	<b>213</b>	<b>2307</b>

### 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 2019-20 are given below:

S. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Arch.	M.Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1	Architecture	227	-	41	-	-	-	-	-	27	295
2	Chemical Engineering	-	287	-	79	-	-	-	-	48	414
3	Chemistry	-	-	-	-	39	-	-	-	63	102
4	Civil Engineering	-	423	-	214	-	-	-	10	83	730
5	Computer Applications	-	-	-	50	39	283	-	-	80	452
6	Computer Science and Engineering	-	476	-	49	-	-	-	10	67	602
7	CECASE	-	-	-	-	-	-	-	18	24	42
8	Electrical and Electronics Engineering	-	451	-	97	-	-	-	18	83	649
9	Electronics and Communication Engineering	-	462	-	98	-	-	-	6	117	683
10	Energy and Environment	-	-	-	44	-	-	-	4	24	72

11	Humanities and Social Sciences	-	-	-	-	-	-	-	-	49	<b>49</b>
12	Instrumentation and Control Engineering	-	427	-	-	-	-	-	5	64	<b>496</b>
13	Management Studies	-	-	-	-	-	-	173	-	61	<b>234</b>
14	Mathematics	-	-	-	-	19	-	-	-	22	<b>41</b>
15	Mechanical Engineering	-	463	-	97	-	-	-	27	135	<b>722</b>
16	Metallurgical and Materials Engineering	-	268	-	103	-	-	-	13	75	<b>459</b>
17	Physics	-	-	-	43	44	-	-	16	86	<b>189</b>
18	Production Engineering	-	409	-	97	-	-	-	15	132	<b>653</b>
<b>TOTAL</b>		<b>227</b>	<b>3666</b>	<b>41</b>	<b>971</b>	<b>141</b>	<b>283</b>	<b>173</b>	<b>142</b>	<b>1240</b>	<b>6884</b>

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

S. No.	Programme	SC	ST
1	B.Tech.	465	236
2	B.Arch.	35	19
3	M.Arch.	6	2
4	M.Tech.	137	56
5	M.B.A.	25	7
6	M.C.A	43	21
7	M.Sc.	16	6
8	Ph.D.	162	30
9	MS	4	-
<b>TOTAL</b>		<b>893</b>	<b>377</b>

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

S. No.	Department	I Year	II Year	III Year	IV Year	V Year	Total
1	Architecture	57	47	39	41	43	<b>227</b>
2	Chemical Engineering	89	69	69	60	-	<b>287</b>
3	Civil Engineering	128	102	98	95	-	<b>423</b>
4	Computer Science & Engineering	152	122	99	103	-	<b>476</b>
5	Electrical & Electronics Engineering	141	107	104	99	-	<b>451</b>
6	Electronics & Communication Engineering	144	108	103	107	-	<b>462</b>
7	Instrumentation & Control Engineering	128	105	103	91	-	<b>427</b>
8	Mechanical Engineering	140	117	105	101	-	<b>463</b>
9	Metallurgical & Materials Engineering	82	65	61	60	-	<b>268</b>
10	Production Engineering	123	97	94	95	-	<b>409</b>
<b>TOTAL</b>		<b>1185</b>	<b>938</b>	<b>875</b>	<b>852</b>	<b>43</b>	<b>3893</b>

**5. 3. 3. M.Arch. & M.Tech. students on roll**

S. No.	Department / Discipline	I Year	II Year	Total
1	<b>Architecture (M.Arch.)</b>			
	Energy Efficient and Sustainable Architecture	24	17	<b>41</b>
2	<b>Chemical Engineering</b>			
	Chemical Engineering	23	23	<b>46</b>
	Process control & Instrumentation	19	14	<b>33</b>
3	<b>Civil Engineering</b>			
	Transportation Engineering and Management.	23	27	<b>50</b>
	Structural Engineering	23	31	<b>54</b>
	Environmental Engineering	28	23	<b>51</b>
	Construction Technology and Management	30	29	<b>59</b>
4	<b>Computer Applications</b>			
	Data Analytics	27	23	<b>50</b>
5	<b>Computer Science &amp; Engineering</b>			
	Computer science and Engineering	19	30	<b>49</b>
6	<b>Electrical &amp; Electronics Engineering</b>			
	Power Electronics	19	27	<b>46</b>
	Power Systems	23	28	<b>51</b>
7	<b>Electronics &amp; Communication Engineering</b>			
	Communication Systems	21	27	<b>48</b>
	VLSI System	25	25	<b>50</b>
8	<b>Energy and Environment</b>			
	Energy Engineering	21	23	<b>44</b>
9	<b>Mechanical Engineering</b>			
	Industrial Safety and Engineering	25	26	<b>51</b>
	Thermal Power Engineering	19	27	<b>46</b>
10	<b>Metallurgical &amp; Material Engineering</b>			
	Materials Science and Engineering	19	15	<b>34</b>
	Welding Engineering	22	19	<b>41</b>
	Industrial Metallurgy	14	14	<b>28</b>
11	<b>Production Engineering</b>			
	Industrial Engineering Management	22	25	<b>47</b>
	Manufacturing Technology	22	28	<b>50</b>
12	<b>Physics</b>			
	Non - Destructive Testing	19	24	<b>43</b>
<b>TOTAL</b>		<b>487</b>	<b>525</b>	<b>1012</b>

**5. 3. 4. MBA Students on Roll**

S. No.	Department	I Year	II Year	Total
1	Management Studies / MBA	76	87	<b>163</b>

**5. 3. 5. MCA Students on Roll**

S. No.	Department	I Year	II Year	III Year	Total
1	Computer Applications / MCA	90	86	90	<b>266</b>

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

S. No.	Department	I Year	II Year	Total
1	Chemistry	20	19	39
2	Computer Applications	14	25	39
3	Physics	20	24	44
4	Mathematics	19	-	19
<b>TOTAL</b>		<b>73</b>	<b>68</b>	<b>141</b>

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

S. No.	Department	2015	2016	2017	2018	2019	Total
1	Chemical Engineering	-	-	-	-	-	0
2	Civil Engineering	2	3	1	4	-	10
3	Computer Science & Engineering	-	2	2	3	3	10
4	Electrical & Electronics Engineering	3	4	5	4	2	18
5	Electronics & Communication Engineering	2	-	2	-	2	6
6	Instrumentation & Control Engineering	4	-	1	-	-	5
7	Mechanical Engineering	7	8	5	6	1	27
8	Metallurgical & Materials Engineering	11	-	1	1	-	13
9	Physics	12	3	-	-	1	16
10	Production Engineering	2	5	3	4	1	15
11	Energy and Environment	-	2	-	1	1	4
12	CECASE	13	5	-	-	-	18
<b>Total</b>		<b>56</b>	<b>32</b>	<b>20</b>	<b>23</b>	<b>11</b>	<b>142</b>

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

S. No.	Department	2014	2015	2016	2017	2018	2019	Total
1	Architecture	5	6	2	2	5	7	27
2	Chemical Engineering	7	11	9	8	9	4	48
3	Civil Engineering	13	15	11	18	14	12	83
4	Computer Science & Engineering	6	10	8	11	16	16	67
5	Electrical & Electronics Engineering	15	14	7	16	16	15	83
6	Electronics & Communication Engineering	19	25	12	19	20	22	117
7	Energy and Environment	1	4	5	6	2	6	24
8	Instrumentation and Control Engineering	10	16	8	9	16	5	64
9	Mechanical Engineering	21	25	32	24	21	12	135
10	Metallurgical and Materials Engineering	10	19	12	11	10	13	75
11	Production Engineering	7	24	27	29	26	19	132
12	CECASE	6	10	2	-	1	5	24
13	Management Studies	13	11	7	8	12	10	61
14	Computer Applications	10	18	12	14	17	9	80
15	Chemistry	11	12	10	7	12	11	63
16	Physics	17	14	13	16	11	15	86
17	Humanities and Social Sciences	5	3	4	13	8	16	49
18	Mathematics	-	-	-	5	7	10	22
<b>Total</b>		<b>176</b>	<b>237</b>	<b>181</b>	<b>216</b>	<b>223</b>	<b>207</b>	<b>1240</b>

## 5.4. CONVOCATION

The 15<sup>th</sup> Convocation of NIT, Tiruchirappalli was held on 27<sup>th</sup> July 2019. Prof. Subra Suresh, President, Distinguished University Professor, Nanyang Technological University, Singapore was the chief guest and delivered the Convocation Address. A total of 1721 candidates were awarded with various degrees.

The department-wise details of the degrees awarded are given below:

### 5.4.1. Total Number of Graduands (Department Wise)

S. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Arch.	M.Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1	Architecture	51	-	18	-	-	-	-	-	2	71
2	Chemical Engineering	-	67	-	44	-	-	-	1	7	119
3	Chemistry	-	-	-	-	27	-	-	-	8	35
4	Civil Engineering	-	96	-	102	-	-	-	1	3	202
5	Computer Applications	-	-	-	22	23	89	-	-	4	138
6	Computer Science and Engineering	-	104	-	30	-	-	-	3	9	146
7	Electrical and Electronics Engineering	-	98	-	44	-	-	-	3	10	155
8	Electronics and Communication Engineering	-	99	-	49	-	-	-	1	8	157
9	Energy and Environment	-	-	-	16	-	-	-	1	3	20
10	Humanities and Social Sciences	-	-	-	-	-	-	-	-	2	2
11	Instrumentation and Control Engineering	-	91	-	-	-	-	-	3	3	97
12	Management Studies	-	-	-	-	-	-	85	-	3	88
13	Mathematics	-	-	-	-	-	-	-	-	2	2
14	Mechanical Engineering	-	102	-	46	-	-	-	1	5	154
15	Metallurgical and Materials Engineering	-	64	-	50	-	-	-	3	8	125
16	Physics	-	-	-	12	27	-	-	-	7	46
17	Production Engineering	-	91	-	53	-	-	-	2	13	159
18	CECASE	-	-	-	-	-	-	-	4	1	5
<b>TOTAL</b>		<b>51</b>	<b>812</b>	<b>18</b>	<b>468</b>	<b>77</b>	<b>89</b>	<b>85</b>	<b>23</b>	<b>98</b>	<b>1721</b>

### 5. 4. 2. Convocation Prizes

The following are the details of prizes awarded to the students at the 15<sup>th</sup> Convocation:

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

Department	Roll No.	Name	CGPA
Electronics and Communication Engineering	108115073	Rupesh Gupta	9.94

#### The Institute Medal 2019 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102115060	Srihari S	9.81
Civil Engineering	103115008	Antriksh Srivastava	9.61
Computer Science and Engineering	106115005	Aishwarya Nair	9.77
Electrical and Electronics Engineering	107115010	Arnab Bhattacharjee	9.84
Electronics and Communication Engineering	108115073	Rupesh Gupta	9.94
Instrumentation and Control Engineering	110115009	Anand M	9.46
Mechanical Engineering	111115088	Shah Saumya Pravinbhai	9.7
Metallurgical and Materials Engineering	112115005	Ayush Khurana	9.57
Production Engineering	114115053	Nandhini S	9.38
Architecture	101114023	Priya S	9.37

#### The Institute Medal 2019 for the overall Highest CGPA in M.Tech.

Specialization	Roll No.	Name	CGPA
Chemical Engineering	202117019	Subhra Sankha Mukherjee	9.06
Process Control and Instrumentation	202217001	Aithamreddy Chandana	9.31
Transportation Engineering and Management	203117023	Nisha M Samuel	9.05
Structural Engineering	203217031	Thasleen N	9.03
Environmental Engineering	203417021	Dhivyalakshmi Jayabal	9.3
Construction Technology and Management	203517010	Sanchari Banerjee	9.3
Data Analytics	205217014	Vandana Singh	9.39
Computer Science and Engineering	206117014	Snigdha Jain	9.56
Power Systems	207117028	Kolli Jnaneswar	9.11
Power Electronics	207217010	Kadam Vishvajit Sudhakar	8.97
Communication Systems	208117003	Sankar N Nair	9.74
VLSI System	208217015	Pradeep J	9.74
Energy Engineering	202317012	Roja K	9.82
Industrial Safety Engineering	211217003	Adhil Moideen T	9.27
Thermal Power Engineering	211317019	Saurabh Prajapati	9.74
Welding Engineering	212117019	Sachin Jacob Abraham	9.05
Materials Science and Engineering	212217009	Abhishek Singh	9.14
Industrial Metallurgy	212317006	Raj Kuldeepsinh Ranvirsinh	9.29
Non-Destructive Testing	213117001	Abin Saji	9.53
Manufacturing Technology	214117025	Vysakh Mohan	9.76
Industrial Engineering and Management	214217016	Saurabh Lalwani	9.62
Energy Efficient and Sustainable Architecture	201117010	Prashanthini Rajagopal	9.26
Chemical Engineering	202117019	Subhra Sankha Mukherjee	9.06

**The Institute Medal 2019 for the overall Highest CGPA in M.Sc.**

Specialization	Roll No.	Name	CGPA
Chemistry	204117001	M Sai Shruthi	8.94
	204117006	Athira K M	8.94
Computer Science	216217003	Swathika E	9.13
Physics	213217012	Aniket Dey	9.73

**The Institute Medal 2019 for the overall Highest CGPA in MCA**

Specialization	Roll No.	Name	CGPA
Computer Applications	205116025	Suman Choudhary	9.42

**The Institute Medal 2019 for the overall Highest CGPA in MBA**

Specialization	Roll No.	Name	CGPA
Management Studies	215117047	Ihjaz V	9.34

**5. 5. INSTITUTE DAY PRIZES**

On the basis of academic performance, the following students were awarded Merit Prizes on the 57<sup>th</sup> edition of Institute Day 2020 held on 6<sup>th</sup> March 2021 through blended mode with limited dignitaries on the Dais. Shri. Vikas Swarup, Secretary (West) Ministry of External Affairs, Govt. of India, was the Chief Guest.

**5. 5. 1. Rank Holders (UG & PG)****B.Arch. / ARCHITECTURE**

Batch	Rank	Roll No.	Name	CGPA
2014	1	101114023	PRIYA S	9.83
2014	2	101114013	MITHRA R	9.61
2014	3	101114038	STEPHY ANN TOMY	9.33
2015	1	101115021	MD HASEEN AKHTAR	9.31
2015	2	101115035	SHIRIN HUSSAIN	8.83
2015	3	101115008	CHIRASMITA DAS	8.69
2016	1	101116025	LAVANYA M	8.92
2016	2	101116040	SWEATHA R	8.84
2016	3	101116007	ATHIRA P R	8.82
2017	1	101117046	V K JEEVAN KUMAR	8.92
2017	2	101117037	SRI AAKASH S	8.9
2017	3	101117008	DEVULAPALLY POOJA	8.04
2018	1	101118036	SHIKHA PEGU	8.78
2018	2	101118003	ANURADHA S	8.7
2018	3	101118018	JAYATRI DHARA	8.68

**B.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2015	1	102115001	A MUTHUKRISHNAN	9.78
2015	1	102115014	IYER SHWETA SHANKAR	9.78
2015	1	102115060	SRIHARI S	9.78
2015	2	102115038	R ABHINANDAN NABERA	9.59
2015	3	102115010	BHUBESH MURUGAPPAN	9.43
2016	1	102116035	NISCHAL MATHUR	9.54

2016	2	102116002	AKASH DHARSAN U S	9.47
2016	3	102116057	SUNANDA SESHAN	9.36
2017	1	102117016	DEEPTI KANNAN	9.72
2017	2	102117064	THEJASSVI MADIREDDI	9.65
2017	3	102117048	SHANKHA SUBHRA PAUL	9.63
2017	3	102117066	UPAMANYU PATTNAIK	9.63

**B.Tech. / CIVIL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2015	1	103115020	DINKAR PARASHAR	9.51
2015	2	103115063	PATLOLLA SREE VARSHINI	9.38
2015	3	103115093	SRIVIDYA HS	9.33
2016	1	103116094	VISHAL KUMAR	9.73
2016	2	103116035	KEDARISSETTI ASHRITHA	9.72
2016	3	103116088	TRINAYAN DAS	9.5
2017	1	103117060	MUNINDAR JIVARAM AHIR	9.89
2017	2	103117031	C M K RAJSHRI	9.84
2017	3	103117024	AYUSH KUMAR SINGH	9.69

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

Batch	Rank	Roll No.	Name	CGPA
2015	1	106115051	MADHAV SANKAR K	10
2015	2	106115005	AISHWARYA NAIR	9.91
2015	3	106115001	A S SREELAKSHMI	9.73
2015	3	106115003	ABHINAYA S B	9.73
2015	3	106115010	AMEDAPU NIDHEESHA REDDY	9.73
2015	3	106115058	PEDDAGOPU VISHAL VEDAVYAS	9.73
2016	1	106116084	SHIVANI CHANDER	9.83
2016	2	106116066	RAJAT BHATTA	9.68
2016	3	106116003	AKSHAYA K S	9.64
2017	1	106117095	S RAGHUL	9.84
2017	2	106117043	L HARI NARAYANAN	9.8
2017	3	106117053	MOGALAPALLI HARSHIT	9.71

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

Batch	Rank	Roll No.	Name	CGPA
2015	1	107115079	RITABINA BISWAS	9.64
2015	2	107115010	ARNAB BHATTACHARJEE	9.6
2015	3	107115026	DHEDEEPPYA V	9.55
2015	3	107115045	KOTNI TIRUMALA SAI AKHIL	9.55
2015	3	107115090	SHRUTHI RAVISHANKAR	9.55
2016	1	107116011	ARADHANA M P	9.8
2016	2	107116001	AARYAN S SHAH	9.71
2016	3	107116008	AMRITHA S B	9.63
2017	1	107117106	VISHESH BIYANI	10
2017	2	107117069	PAWAR SATYAM JAGDISH	9.81
2017	3	107117059	MOHIT AGARWAL	9.79

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

Batch	Rank	Roll No.	Name	CGPA
2015	1	108115073	RUPESH GUPTA	10
2015	2	108115019	BANNA VENKATESH	9.63
2015	3	108115102	VEMULA SAIHARSHA	9.58



2016	1	108116107	YASHVANTH.L	9.94
2016	2	108116067	RAJIV RAMACHANDRAN	9.92
2016	3	108116049	MUMMADI SRIKANTH REDDY	9.84
2017	1	108117064	M PRANAV	10
2017	2	108117079	RAMAPRAGADA KRISHNA SAI TARUN	9.87
2017	3	108117092	SAURABH SRIVASTAVA	9.8

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

Batch	Rank	Roll No.	Name	CGPA
2015	1	110115068	NAVYA SHAJI	9.54
2015	2	110115027	DHEEPA DHARSHANI S	9.5
2015	2	110115071	PALLAMPATI GNANA SAI SRI HARSHA	9.5
2015	3	110115080	S AMRUTHA	9.47
2016	1	110116031	G VISHAAL	9.7
2016	2	110116021	BUDDHA TEJASWI	9.41
2016	3	110116053	MURIKIPUDI SAI SRI VENKATA KRISHNASINDHURA	9.16
2017	1	110117078	SHASHVAT JAYAKRISHNAN	10
2017	2	110117083	SIVASANGARAN V	9.72
2017	3	110117025	C SANJAY	9.63

**B.Tech. / MECHANICAL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2015	1	111115076	R ANIRUDH	9.85
2015	2	111115088	SHAH SAUMYA PRAVINBHAI	9.83
2015	3	111115054	MOHAMMED MUAZ MOHAMED DILSHAD H	9.7
2016	1	111116046	M NAARENDHARANs	9.86
2016	1	111116089	SRIDHARSAN K S	9.86
2016	2	111116055	NITHIN K SUBHASH	9.71
2016	3	111116012	B.SRIKUMAR	9.67
2017	1	111117037	HARSHIT MITTAL	9.6
2017	2	111117085	SOMANATH SWAIN	9.58
2017	3	111117058	MANU AATITYA R P	9.54

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

Batch	Rank	Roll No.	Name	CGPA
2015	1	112115017	KULKARNI ANISH NIRANJAN	9.54
2015	2	112115005	AYUSH KHURANA	9.31
2015	2	112115020	M VIVEKANAND	9.31
2015	3	112115063	VADDE CHETAN NAVEEN	9.23
2016	1	112116011	ARPIT JAIN	9.96
2016	2	112116045	R DEVI JANANI	9.9
2016	3	112116049	SAMEER AMAN SALMAN	9.67
2017	1	112117034	PRAHNAOV A	9.69
2017	2	112117016	B.SUBISHA	9.52
2017	3	112117028	MANAN ATUL SURAIYA	9.4

**B.Tech. / PRODUCTION ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2015	1	114115053	NANDHINI S	9.61
2015	2	114115067	PRAVEEN M	9.49
2015	3	114115064	PATRUNI HEMANTH KUMAR	9.41

2016	1	114116045	M NIVEDITA	9.94
2016	2	114116016	ARUN P PALANIAPPAN	9.82
2016	3	114116061	REO PAUL JACKSON	9.7
2017	1	114117064	POLA VAMSI RAHUL	9.69
2017	1	114117085	TAMIRI SURYA PRAKASH	9.69
2017	2	114117031	HIMANSHU RANJAN	9.62
2017	3	114117006	AKANKSHA	9.36
2017	3	114117052	MURALI KRISHNA N	9.36

**B.Tech. / I YEAR (2018)**

Batch	Rank	Roll No.	Name	CGPA
2018	1	112118058	SURYARAO KIMAYA	10
2018	2	110118049	MIRIAM SANTHOSH KADAVAN	9.96
2018	3	106118036	HARSHIT AGRAWAL	9.94

**M.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2017	1	202117019	SUBHRA SANKHA MUKHERJEE	9.06
2017	2	202117018	RHEA MUTHAPPA	9
2017	3	202117001	MEGHANA A D	8.97
2018	1	202118005	GANDI SATISH	9.2
2018	2	202118002	ASHIK B S	9.12
2018	3	202118021	SHYAMJITH P M	8.95

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	202217001	AITHAMREDDY CHANDANA	9.31
2017	2	202217011	JORTIN ABRAHAM JAMES	8.94
2017	3	202217007	VIDHI SHAH	8.55
2018	1	202218010	PRABHU P	9.28
2018	2	202218018	VIPIN KUMAR SHUKLA	8.52
2018	3	202218009	MUTHU KRISHNAN C	8.18

**M.Tech. / ENERGY ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2017	1	202317012	ROJA K	9.82
2017	2	202317010	JUDEFELIX J	9.47
2017	3	202317009	WAGHMODE SUYOG MAYAPPA	9.44
2018	1	202318012	NIJIN V P	9.79
2018	1	202318013	PRAFFUL AGRAWAL	9.79
2018	2	202318020	TAMILSELVAN M	9.36
2018	3	202318014	RAHUL R	9.14

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	203117023	NISHA M SAMUEL	9.05
2017	2	203117025	NIDHI KATHAIT	8.79
2017	2	203117007	RACHIT SHARMA	8.79
2017	3	203117002	KANCHUPATI VENKATESWARLU	8.74
2017	3	203117024	BHAVINLAL K	8.74
2018	1	203118018	PRIYADHARSHNI B	9.48
2018	2	203118022	SHAH MOHMAD SHAHNAWAZ AHMAD	9.29
2018	3	203118011	JYOTHIS V LAL	9.24

**M.Tech. / STRUCTURAL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2017	1	203217031	THASLEEN N	9.03
2017	2	203217015	SHRUTI MITTAL	8.89
2017	3	203217014	J SHAJITH HUSSAIN	8.76
2018	1	203218023	RAMKUMAR S	9.4
2018	2	203218008	DIVYA ROY S	9.17
2018	2	203218009	GURRAM VINAY	9.17
2018	3	203218027	SNEHA LIYA GEORGE	9.14

**M.Tech. / ENVIRONMENTAL ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2017	1	203417021	DHIVYALAKSHMI JAYABAL	9.3
2017	2	203417023	NALAM N V D L H S S ARUNA LAKSHMI SUSMITHA	8.89
2017	3	203417022	LEKSHMI V PRAKASH	8.83
2018	1	203418012	LEKSHMI MOHAN B	9.55
2018	2	203418001	AFEENA GULAM	9.52
2018	3	203418023	SHRADHA NAIR	9.38

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	203517010	SANCHARI BANERJEE	9.3
2017	2	203517014	MANISHITA DAS	9.29
2017	3	203517007	KIRANKUMAR A M	8.78
2018	1	203518028	V V G SAI ADITYA	9.88
2018	2	203518021	RAMACHANDRAN A	9.28
2018	3	203518007	BHAVANA LEKSHMY M V	9.08

**M.Tech. / DATA ANALYTICS**

Batch	Rank	Roll No.	Name	CGPA
2017	1	205217014	VANDANA SINGH	9.39
2017	2	205217013	SAIJA KRUNAL KIRANKUMAR	9.22
2017	3	205217010	SINGARAJU DAKSHAYANI	9.19
2018	1	205218015	RALLABANDI PHANI RAJ	9.85
2018	2	205218020	RONANKI SWAMY SRIHARSHA	9.33
2018	3	205218005	ANKIT KUMAR SAH	9.3

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	206117014	SNIGDHA JAIN	9.56
2017	2	206117023	ANJALI T P	9.39
2017	3	206117002	ARJUN K P	9.29
2018	1	206118004	CHITHRA	9.78
2018	2	206118025	SUSHMITA KUMARI NISHAD	9.18
2018	3	206118008	KANGKANMONI BRAHMA	8.9

**M.Tech. / POWER SYSTEMS**

Batch	Rank	Roll No.	Name	CGPA
2017	1	207117028	KOLLI JNANESWAR	9.11
2017	2	207117018	KARNATI SURESH REDDY	9.05
2017	3	207117004	KUMBHA GOPI	8.92
2018	1	207118027	VINNAKOTA PAVANI	9.42

2018	2	207118006	DEVARAJ S	9.4
2018	3	207118007	DEVARALA ROMIKA	9.1

**M.Tech. / POWER ELECTRONICS**

Batch	Rank	Roll No.	Name	CGPA
2017	1	207217010	KADAM VISHVAJIT SUDHAKAR	8.97
2017	2	207217017	P SRIKANTH	8.94
2017	2	207217021	MISTRY KHETALKUMAR SHAILESHKUMAR	8.94
2017	3	207217011	KAMPALLY SRI KANAKA PRASANNANJALI	8.77
2018	1	207218015	NAMAN AGRAWAL	9.58
2018	2	207218013	MOHD SHAHNAWAZ KHAN	9.38
2018	3	207218022	SINCHITA MAITY	9.22

**M.Tech. / COMMUNICATION SYSTEMS**

Batch	Rank	Roll No.	Name	CGPA
2017	1	208117003	SANKAR N NAIR	9.74
2017	2	208117025	SORAPALLI JNANA SUBRAHMANYAM	9.64
2017	3	208117005	RATHINA VEL S	9.61
2018	1	208118005	CHINTALA JYOTHIRMAI	9.64
2018	1	208118026	THOTA SASIREKHA	9.64
2018	2	208118004	CHEEMALA NAVEEN	9.52
2018	3	208118009	KADIMI VINAY KUMAR	9.38

**M.Tech. / VLSI SYSTEM**

Batch	Rank	Roll No.	Name	CGPA
2017	1	208217015	PRADEEP J	9.74
2017	2	208217022	BOBBILI VINITHA	9.7
2017	3	208217003	ASWIN P P	9.12
2018	1	208218018	NITHIN K S	9.95
2018	2	208218013	KM. RAJNANDINI PATWA	9.67
2018	3	208218003	ANUMULA TEJASWI	9.4
2018	3	208218012	KARRE NARESH	9.4
2017	1	208217015	PRADEEP J	9.74
2017	2	208217022	BOBBILI VINITHA	9.7
2017	3	208217003	ASWIN P P	9.12
2018	1	208218018	NITHIN K S	9.95
2018	2	208218013	KM. RAJNANDINI PATWA	9.67

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	211217003	ADHIL MOIDEEN T	9.28
2017	2	211217007	JIVESH KUMAR	9.16
2017	3	211217004	ARUMUGAM S	9.05
2018	1	211218008	JIDHIN. A	9.45
2018	2	211218010	MEERA R	9.18
2018	3	211218022	SARATH M	8.98

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	211317019	SAURABH PRAJAPATI	9.74
2017	2	211317002	ABIN FRANCIS	9.3

2017	3	211317028	DHANANJAY KUMAR	9.16
2018	1	211318015	MORE BHAVESH RAJA	9.38
2018	2	211318016	NITIN SHARMA	9.35
2018	3	211318009	GOURAV KHANNA	9.15

**M.Tech. / WELDING ENGINEERING**

Batch	Rank	Roll No.	Name	CGPA
2017	1	212117019	SACHIN JACOB ABRAHAM	9.05
2017	2	212117010	MAGESHKAR M	8.88
2017	3	212117031	MUHAMMED ANEES M S	8.86
2018	1	212118019	SALAPU SIREESHA SAI	9.2
2018	2	212118008	BIBISH B ANTONY	8.93
2018	3	212118006	AKHILESH R V	8.9

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	212217009	ABHISHEK SINGH	9.14
2017	2	212217012	KARTHICK G	8.77
2017	3	212217003	PRAVEEN V P	8.55
2018	1	212218012	RAMJI R	9.15
2018	2	212218007	KARUMURI RATNA PRIYANKA	9.05
2018	3	212218009	P DAMINI	8.85

**M.Tech. / INDUSTRIAL METALLURGY**

Batch	Rank	Roll No.	Name	CGPA
2017	1	212317006	RAJ KULDEEPSINH RANVIRSINH	9.29
2017	2	212317014	ASWIN KUMAR C	9
2017	3	212317004	APPU KUMAR SINGH	8.98
2018	1	212318001	AMAL C ABRAHAM	9.41
2018	2	212318003	BHASKARAN K	9.29
2018	3	212318006	KRISHNAN S	9.15

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	213117001	ABIN SAJI	9.53
2017	2	213117008	VIGNESH K	9.25
2017	3	213117011	YALAGADA RAJU	9.23
2018	1	213118024	SUSHEEL PATIL	9.58
2018	2	213118006	ASHOKKUMAR T	9.5
2018	3	213118015	MUHAMED MUSTHAFA PULIKKAL	9.18

**M.Tech. / MANUFACTURING TECHNOLOGY**

Batch	Rank	Roll No.	Name	CGPA
2017	1	214117025	VYSAXH MOHAN	9.76
2017	2	214117002	ADITYA GOEL	9.41
2017	3	214117027	GANESH T M	9.24
2018	1	214118010	KARTHIKEYAN R	9.6
2018	2	214118008	E V ABHINAV	9.56
2018	3	214118019	RAGUNATHAPRABHU S	9.51

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

Batch	Rank	Roll No.	Name	CGPA
2017	1	214217016	SAURABH LALWANI	9.62
2017	2	214217026	R HARIKRISHNAN	9.55
2017	3	214217031	TENTU RAVI TEJA	9.42
2018	1	214218018	PALAKOLLU VENKATA SAI ANURAG	9.51
2018	2	214218011	JAGDHANE SAHIL PRAMOD	9.44
2018	3	214218020	POLAS RAHUL PURUSHOTTAM	9.38

**M.Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE**

Batch	Rank	Roll No.	Name	CGPA
2017	1	201117010	PRASHANTHINI RAJAGOPAL	9.26
2017	2	201117003	CHITTELLA RAVI CHANDRAN	9.03
2017	3	201117006	MANOJKUMAR S	8.93
2018	1	201118015	SANJANA R	9.64
2018	2	201118018	VIGNESH SAJEEV	9.25
2018	3	201118013	PRAJNA AIGAL	9.11

**MBA / MANAGEMENT STUDIES**

Batch	Rank	Roll No.	Name	CGPA
2017	1	215117012	AISWARYA PRINCE	9.44
2017	2	215117023	ANUSHA NATARAJAN	9.28
2017	2	215117026	NAVYA RAVINDRAN	9.28
2017	3	215117033	MUTHU LAKSHMI.A.N	9.22
2017	3	215117034	TANKALA SHALENI GUPTA	9.22
2018	1	215118047	SHAARIKA JOANNA P	9.7
2018	2	215118059	VIJAYALAKSHMI N	9.27
2018	3	215118014	DHANYA JOHNSON	9.2

**M.Sc. / CHEMISTRY**

Batch	Rank	Roll No.	Name	CGPA
2017	1	204117006	ATHIRA K M	8.9
2017	2	204117013	ARUN THAMPI	8.83
2017	3	204117001	M SAI SHRUTHI	8.76
2017	3	204117004	SAVITHRI VISHWANATHAN	8.76
2018	1	204118020	V VIDHYA	9.68
2018	2	204118001	ABINASH NAYAK	8.66
2018	3	204118019	VANDANA RAWAT	8.63

**M.Sc. / PHYSICS**

Batch	Rank	Roll No.	Name	CGPA
2017	1	213217016	KOWSALYA D	9.68
2017	2	213217012	ANIKET DEY	9.57
2017	3	213217007	ATHULYA BABU	9.11
2018	1	213218004	ASHUTOSH KUMAR SINGH	9.92
2018	2	213218012	LUCKYDONALD LYNGDOH KYN Shi	9.58
2018	3	213218013	M LAXMAN	9.29

**M.Sc. / COMPUTER SCIENCE**

Batch	Rank	Roll No.	Name	CGPA
2017	1	216217006	GANGA GOWSALYA P	9
2017	2	216217013	SRITHIKA MANIKANDAN	8.93
2017	3	216217003	SWATHIKA E	8.83

2018	1	216218025	UTSA CHATTOPADHYAY	9.79
2018	2	216218002	ALIV GHOSH	9.68
2018	3	216218001	AKSHAYA E	9.37

**MCA / COMPUTER APPLICATIONS**

Batch	Rank	Roll No.	Name	CGPA
2016	1	205116049	NEELAM GOUR	9.69
2016	2	205116025	SUMAN CHOUDHARY	9.52
2016	3	205116004	SURAJ BHAN SINGH	9.38
2017	1	205117002	SHAIKHA KHAN	9.61
2017	2	205117047	VARSHA PATIDAR	9.24
2017	3	205117001	SANJEEV KESHRI	9.18
2017	3	205117068	CHANDER SHEKHAR	9.18
2018	1	205118062	SAHIL GOEL	9.61
2018	2	205118079	SWEEKRITI SINGH	9.53
2018	3	205118070	SHIVAM TIWARI	9.5

**5. 5. 2. Endowment Awards**

S. No.	Name of the award	Roll Number	Name
1	Smt. G. S. Raja Lakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering.	102116002	AKASH DHARSAN U S
		102116035	NISCHAL MATHUR
		102116026	S KOUSHIK
2	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.	103116094	VISHAL KUMAR
3	Sri. Karchae Endowment award for the best project in the Department of Architecture	101115005	ASHUTOSH SHUKLA
		101115034	SHAJITHA G
4	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213118024	SUSHEEL PATIL
5	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107116011	ARADHANA M P
6	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	108115073	RUPESH GUPTA
		108117064	M PRANAV
		106115051	MADHAV SANKAR K
		107117106	VISHESH BIYANI
		110117078	SHASHVAT JAYAKRISHNAN
7	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108116107	YASHVANTH.L
8	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102118063	SUDHARSHAN KANNAPADI
9	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110116031	G VISHAAL
10	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110116038	KARI TANMAI SIVANI



11	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215118047	SHAARIKA JOANNA P
12	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215118047	SHAARIKA JOANNA P
13	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108116107	YASHVANTH.L
14	Karthik S Memorial Award for the First Rank Holder upto VII semester in B.Tech. Production Engineering.	114116055	PRATIKSHYA SAHOO
15	Smt. Vijayalakshmi Kannan Memorial Award for the First Rank Holder upto VII semester in B.Tech. ECE	108116107	YASHVANTH.L
16	Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester M.Tech. Industrial Safety Engineering.	211218008	JIDHIN A
17	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	102118064	S VARSHA
18	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112116045	R DEVI JANANI
19	Dr.T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc. Physics in I and II Semester	213218004	ASHUTOSH KUMAR SINGH
20	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108117064	PRANAV M
21	Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture	101115032	SAHIB SINGH CHAWLA
22	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular Architecture	101117026	R ASHRUTHA HARSHINI
23	S J Chainlu medal of Excellence (For the First Rank Holder in the First year)		
	1. Chemical Engineering	102118008	ANUJ DASGUPTA
	2. Civil Engineering	103118040	KARTHIKA G KUMAR
	3. Computer science and Engineering	106118036	HARSHIT AGRAWAL
	4. Electrical and Electronics Engineering	107118039	JAYAMATHANGI SRINIVASAN
	5. Electronics and Communication	108118017	ARVINTH S
	6. Instrumentation and Control Engineering	110118049	MIRIAM SANTHOSH KADAVAN
	7. Mechanical Engineering	111118091	R SURYANARAYAN
	8. Metallurgical and Materials Engineering	112118058	SURYARAO KIMAYA
24	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	114118066	PRATYUSH KUMAR DAS
		215119011	APARAJITA BHATTACHARYA
		215119084	SUBHA P
		215119096	VASANTHA G



25	Prof. K. S. Pandey memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 <sup>th</sup> Semester and also be active in sports activities)	112116011	ARPIT JAIN
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	112117034	PRAHNAOV A
27	Best outgoing student of MME M/s.Chennai Metco Pvt.Ltd Chennai.	112116045	R DEVI JANANI
28	Anjali Surendran Endowment Award for the best out-going undergraduate student from Production Engineering Department	114116039	K THANUSHREE
29	Best NCC Cadet	101115005	ASHUTOSH SHUKLA
		103116005	ANUSH VERMA
30	Dr. S. H. Ibrahim memorial award for the Best Outgoing student in B.Tech. Chemical Engineering	102116040	POOJA HARIHARAN
31	RECT'78 Alumni Medal for The Best Outgoing Girl Student	114116053	PRAGYA RAI

### 5. 5. 3. Alumni Awards

#### B.Tech. / B.Arch.

S. No.	Department	Roll No.	Name	CGPA
1	Architecture	101115021	MD HASEEN AKTHAR	9.53
2	Chemical Engineering	102116002	AKASH DHARSAN U S	9.67
3	Civil Engineering	103116094	VISHAL KUMAR	9.66
4	Computer Science and Engineering	106116084	SHIVANI CHANDER	9.59
5	Electrical and Electronics Engineering	107116001	AARYAN S SHAH	9.73
6	Electronics and Communication Engineering	108116107	YASHVANTH.L	9.82
7	Instrumentation and Control Engineering	110116031	G VISHAAL	9.58
8	Mechanical Engineering	111116089	SRIDHARSAN K S	9.9
9	Metallurgical and Materials Engineering	112116045	R DEVI JANANI	9.84
10	Production Engineering	114116055	PRATIKSHYA SAHOO	9.61

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

S. No.	Department	Roll No.	Name	CGPA
1	<b>Architecture</b>			
	Energy Efficient and Sustainable Architecture	201118015	SANJANA R	9.48
2	<b>Chemical Engineering</b>			
	Chemical Engineering	202118005	GANDI SATISH	9.38
	Process Control and Instrumentation	202218010	PRABHU P	9.44
3	<b>Energy and Environment</b>			

	Energy Engineering	202318012	NIJIN V P	9.83
4	<b>Civil Engineering</b>			
	Transportation Engineering and Management	203118018	PRIYADHARSHNI B	9.59
	Structural Engineering	203218023	RAMKUMAR S	9.54
	Environmental Engineering	203418023	SHRADHA NAIR	9.52
	Construction Technology and Management	203518028	V V G SAI ADITYA	9.67
5	<b>Computer Science and Engineering</b>			
	Computer Science and Engineering	206118004	CHITHRA	9.8
6	<b>Electrical and Electronics Engineering</b>			
	Power Systems	207118027	VINNAKOTA PAVANI	9.33
	Power Electronics	207218015	NAMAN AGRAWAL	9.67
7	<b>Electronics and Communication Engineering</b>			
	Communication Systems	208118026	THOTA SASIREKHA	9.72
		208118005	CHINTALA JYOTHIRMAI	9.72
	VLSI System	208218018	NITHIN K S	9.74
8	<b>Mechanical Engineering</b>			
	Industrial Safety Engineering	211218008	JIDHIN. A	9.58
	Thermal Power Engineering	211318015	MORE BHAVESH RAJA	9.29
9	<b>Metallurgy and Materials Engineering</b>			
	Welding Engineering	212118019	SALAPU SIREESHA SAI	9.38
	Materials Science and Engineering	212218007	KARUMURI RATNA PRIYANKA	9.26
	Industrial Metallurgy	212318001	AMAL C ABRAHAM	9.32
10	<b>Production Engineering</b>			
	Manufacturing Technology	214118010	KARTHIKEYAN R	9.67
	Industrial Engineering and Management	214218018	PALAKOLLU VENKATA SAI ANURAG	9.59
11	<b>Physics</b>			
	Non-Destructive Testing (M.Tech.)	213118024	SUSHEEL PATIL	9.67
	Physics (M.Sc.)	213218004	ASHUTOSH KUMAR SINGH	9.84
12	<b>Chemistry</b>			
	Chemistry (M.Sc.)	204118020	V VIDHYA	9.74
13	<b>Management Studies</b>			
	Master of Business Administration	215118047	SHAARIKA JOANNA P	9.72
14	<b>Computer Applications</b>			
	Data Analytics (M.Tech.)	205218015	RALLABANDI PHANI RAJ	9.88
	Master of Computer Applications	205117002	SHAIKHA KHAN	9.6
	Computer Science (M.Sc.)	216218025	UTSA CHATTOPADHYAY	9.47

#### 5. 5. 4. Other Awards (Instituted by RECAL)

S. No.	Name of the award	Roll No.	Name
1	Overall Outstanding Student of the Year	106116084	SHIVANI CHANDER
2	Anand Chidambaram Memorial Award	102116051	SHARAN DEEPAK MENON
3	Outstanding Sportsman	103116043	MERVIN MOSES
4	Outstanding Sport Woman	107116021	CH ESHA
5	Best Batsman of the year	111117054	KORLAKOTA
6	Best Bowler of the year	114116044	MIT RAKESH SURATI

#### 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. Publications (Scholarly Output and Publications in Q1 Journal Quartile by SJR)

S. No.	Name of the Department	Publications (2019)		Publications in Q1 Journal Quartile by SJR*
		Web of Science	Scopus	
1	Architecture	2	5	0
2	Chemical Engineering	77	85	38
3	Chemistry	78	80	33
4	Civil Engineering	31	45	10
5	Computer Applications	19	82	6
6	Computer Science Engineering	20	56	1
7	Electrical and Electronics Engineering	34	64	24
8	Electronics and Communication Engineering	43	111	7
9	Energy and Environment	6	12	5
10	Humanities and Social Sciences	2	15	0
11	Instrumentation and Control Engineering	22	36	3
12	Management Studies	6	21	2
13	Mathematics	15	28	6
14	Mechanical Engineering	77	98	24
15	Metallurgical and Materials Engineering	71	109	16
16	Physics	71	79	25
17	Production Engineering	88	121	20
<b>Total</b>		<b>662</b>	<b>1047</b>	<b>220</b>

(Note: SJR: Scimago Journal & Country Rank) Q1 to Q4 refer to journal ranking quartiles within a sub discipline using the SJR citation index. Thus, a first quartile journal (i.e., Q1) has an SJR in the top 25% of journals for at least one of its classified sub disciplines. SCImago Journal Rank (SJR indicator) is a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from.

### 5. 6. 2. Sponsored projects, Consultancy projects and Short-term courses for the Financial year 2019-20

S. No.	Departments	Sponsored Projects		Consultancy (in Lakhs)	Revenue through short term courses (in Lakhs)
		Nos.	Values (in Lakhs)		
1	Architecture	-	-	0.18	-
2	Chemical Engineering	-	-	6.0	5.3
3	Chemistry	8	398	10.7	1.4
4	Civil Engineering	2	54.5	310	1.95
5	Computer Applications	-	-	-	1.32
6	Computer Science Engineering	2	54	-	0.125
7	Electrical and Electronics Engineering	3	75	3.7	48.74
8	Electronics and Communication Engineering	5	214	1.88	1.6
9	Energy and Environment	-	-	1.13	0.064
10	Humanities and Social Sciences	-	-	-	1.1
11	Instrumentation and Control Engineering	5	179	9.6	3.05
12	Management Studies	-	-	83.8	5.5
13	Mathematics	-	-	-	2.13
14	Mechanical Engineering	2	96.2	14.23	26.0
15	Metallurgical and Materials Engineering	5	243	33.4	19.56
16	Physics	4	81.2	0.68	0.22
17	Production Engineering	2	42.52	35.42	0.16
18	Institute	1	1712	-	-
<b>Total</b>		<b>39</b>	<b>3151</b>	<b>510.72</b>	<b>118.29</b>

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

### 5. 6. 3. Details of Sponsored projects for the Financial year 2019-20

S. No.	Name of the PI/ Co-PI	Department	Title of the Project	Funding Agency	Sanctioned Amount
1	Dr. L. Cindrella	Chemistry	Development of Unitized MEAs and Fuel cell system integration (I KW) for Stationary and Transportation Applications	SPARC	9127700
2	Dr. S. Anandan	Chemistry	Ultrasonically synthesised microspheres for biomedical and Food industries	SPARC	6850927
3	Dr. Sreekanth A	Chemistry	Design and Synthesis of Sugar-orphyrin Conjugates and its metal complexes for the application of photodynamic Therapy	CSIR	1716000

4	Dr. S. Velmathi	Chemistry	SERB - Overseas Postdoctoral Fellowship (for Research Scholar)	SERB-OPDF	940000
5	Dr. Somenath Garai	Chemistry	Boosting the H <sub>2</sub> Economy by Harnessing the beauty of Encapsulation Chemistry: Augmented Kinetics for Water Splitting Reaction under Confinement	DST - HFC	6642259
6	Dr. Sarthak Mandal	Chemistry	Unravelling the Dynamics of Excitation-Energy and Electron Transfer Processes in Artificial Photosynthetic Systems	SERB-SRG	2629000
7	Dr. Somenath Garai	Chemistry	Photo induced Electron Transfer and Facile Charges Separation for Energy Applications.	SPARC	4968035
8	Dr. Somenath Garai	Chemistry	Nano- encapsulation driven synergistic activation of carbon dioxide into fuel	DST	6942452
9	Dr. Nisha Radhakrishnan	Civil Engineering	Development of an Integrated Health Monitoring System for Large Engineering Structures	SERB-IMPRINT	3403400
10	Dr. V. Sunitha	Civil Engineering	Performance Assessment of Roads Constructed using Wastic Plastics	NRRDA	2050000
11	Dr. R. Deendayal	Civil Engineering	SERB - TARE Grant	SERB-TARE	1005000
12	Dr. K. Baskar	Civil Engineering	SERB - TARE Grant	SERB-TARE	1830000
13	Dr. S. Domnic	Computer Applications	Artificial Intelligence based integrated logistics management system (ILMS) for Indian navy (Air)	DRDO	2222080
14	Dr. M. Sridevi	Computer Science Engineering	Design and Development of Linux Software Development Kit optimized for e6500 processor architecture	NPOL-CARS	963470
15	Dr. Rajeswari Sridhar	Computer Science Engineering	Digital Health Records Storage and Analysis for Healthcare Provisioning of Global Patients. An India - Australia Initiative.	SPARC	4478614

16	Dr. Vivek Mohan	Electrical and Electronics Engineering	Potential Peer to Peer Transactive Energy Market in Indian Power Distribution Systems	SPARC	2691850
17	Dr. P. Srinivasa Rao Nayak	Electrical and Electronics Engineering	Design, Implementation and Wireless Power Transfer and PV System for Battery Charging of Passenger e-Bus	CPRI	3240138
18	Dr. Sishaj P. Simon	Electrical and Electronics Engineering	DST ID-EDG3 Project "Indo-Danish collaboration for data-driven control and optimization for a highly Efficient Distribution Grid (ID-EDGE)"	DST Project through IIT	1580832
19	Dr. M. Venkata Kirthiga	Electrical and Electronics Engineering	Internet of Energy based interactive Residential Load management system	SERB-MATRICES	660000
20	Dr. Saravana Ilango	Electrical and Electronics Engineering	Design and Development of a Resilient Building Integrated Photo - Voltaic Grid Connected Dc Fast Electric Vehicle Charging System for Indian Prospects Serb - Tare Grant	SERB-TARE	1830000
21	Dr. P. Muthu Chidambaranathan	Electronics and Communication Engineering	Self-Energised UAV-assisted Communications for 5G Wireless Networks	SPARC	7323215
22	Dr. R. Pandeewari	Electronics and Communication Engineering	Metamaterial-Based Low Profile LTCC Balanced Antipodal Vivaldi Antenna for 5G eMBB	SPARC	4864275
23	Dr. V. Sudha	Electronics and Communication Engineering	MIMO-GFDM Systems for 5G eMBB Services	SERB	2088648
24	Dr. Jeyachitra R K	Electronics and Communication Engineering	Efficient Modulation Format Recognition and Optical Performance Monitoring for Intelligent Management of Future Optical Communication Networks	SERB	5021440
25	Dr. B. Venkataramani	Electronics and Communication Engineering	Design and Development of 14-bit 10 MSPS 50mW SAR (Successive Approximation Register) ADC in 180nm CMOS technology	ISRO-RESPOND	2088000

26	Dr. M. Umapathy	Instrumentation and Control Engineering	Self-Powered Sensor System for Condition Monitoring of Nuclear Waste Packages	SPARC	6732355
27	Dr. R. Periyasamy	Instrumentation and Control Engineering	Development of Differential Multimodal Spectral Imaging system to detect foot sole risk areas in Diabetic Patients.	DST-SERB	1834260
28	Dr. P. A. Karthick	Instrumentation and Control Engineering	Novel human machine Interaction Technology for the Tetraplegics	SPARC	4936420
29	Dr. M. Umapathy	Instrumentation and Control Engineering	Health Monitoring and Fault Diagnosis of Turbo pumps of Liquid Rocket Engines (LREs) using Deep Learning Neural Networks	ISRO-RESPOND	1687000
30	Dr. Geetha C	Instrumentation and Control Engineering	RFID based wireless sensors for surface crack monitoring	SERB	2706500
31	Dr. R. Anand	Mechanical Engineering	Environmental and Energy Impacts of Higher Alcohol and Biofuel Synthesis by Thermochemical Process	SPARC	6572355
32	Dr. Ashok Kumar Nallathambi	Mechanical Engineering	Experimental investigation of thermal cracking due to rewetting phenomena during metal quenching process	SERB	3051180
33	Dr. Ashok Kumar Nallathambi	Mechanical Engineering	Hot Tearing during Solidification Engineering Sciences	DST-ASEAN	330000
34	Dr. D. Nagarajan	Metallurgical and Materials Engineering	Formability Analysis of Magnesium AZ31Alloy Sheets During the Incremental Forming Process	SERB ECR	861885
35	Dr. N. Ramesh Babu	Metallurgical and Materials Engineering	Development of Nanostructured Titanium Implants with Bioactive and Antibacterial Composite Coatings for Dental and Maxillofacial Applications	DST INT-RUSSIA	9403920
36	Dr. K. Sivaprasad	Metallurgical and Materials Engineering	Additive manufacturing of next generation alloys.	SPARC	7829935
37	Dr. V. Muthupandi	Metallurgical and Materials Engineering	Understanding the forming behaviour of C103 alloy in different	ISRO-RESPOND	3262000



			treated conditions for rocket engine nozzle applications		
38	Dr. S. Kumaran	Metallurgical and Materials Engineering	Development of Multi-Component refractory alloy carbides for extreme operating environment by Spark Plasma Sintering	ISRO-RESPOND	2962000
39	Dr. S. Kumaran	Metallurgical and Materials Engineering	SERB – TARE GRANT	SERB	1830000
40	Dr. R. Justin Joseyphus	Physics	Detection of 21 cm line hydrogen spectrum from the galactic plane through background elimination under Department of Space Vikram Sarabhai Innovation Competition (VISION) 2019	DoS	205214
41	Dr. R. Nagalakshmi	Physics	DST Inspire fellowship for Research scholar	DST-INSPIRE	2118400
42	Dr. R. Nagalakshmi	Physics	Synthesis of Organic Nano fibres for Terahertz Wave (T-Ray) Guiding Applications	CSIR-NPL	2650420
43	Dr. Annapureddy Venkateswarrrlu	Physics	Unleashing the full potential of magneto electric coupling in (Ba, Ca) (Ti, Zr) O <sub>3</sub> based multi-functional composite layered structures for healthier energy harvesting	SERB	3146000
44	Dr. V. Anandakrishnan	Production Engineering	Research Work to establish HPTR brazing at GTRE	GTRE-CARS	1976500
45	Dr. M. Duraiselvam	Production Engineering	Research work on Laser Micro Cladding of Titanium and Nickel based alloy shafts	GTRE-CARS	2276000

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



**5. 6. 4. Patents Published in the calendar year 2019**

S. No.	Title of the Invention	Inventors	Department	Patent No.
1	Method for Preparing Ibuprofen Crystals Using a Green Solvent and Product Thereof.	1. Dr. T. K. Radhakrishnan 2. Dr. P. Kalaichelvi	Chemical Engineering	201741033366
2	A solid Waste Barrier Liner Composition for Landfill with Clay and Microsilica.	Dr. G. Swaminathan	Civil Engineering	201941043080
3	Real-Time Digital Fault Monitoring System for Transmission Lines in Autonomous Power Grids and Method Thereof.	Dr. M. Jaya Bharata Reddy	Electrical and Electronics Engineering	201941022285
4	Method for Extracting The I-V Curve of the Photovoltaic (Pv) Module.	1. Dr. G. Saravana Ilango 2. Dr. C. Nagamani	Electrical and Electronics Engineering,	201941037604
5	System and Method for Efficient Energy Extraction from An Existing Solar Pv System	1. Dr. Sishaj P. Simon 2. Dr. K. Sundareswaran 3. Dr. P. Srinivasarao Nayak	Electrical and Electronics Engineering	201741039045
6	Smart Load Node System for Operating an Appliance and Method Thereof.	Dr. M. P. Selvan	Electrical and Electronics Engineering	201741039083
7	Complex Multiplier Based Signal Processing System and Method Thereof. Low Multiplier Complexity In-Place Higher Radix Real-Valued Fft Architectures with Modified Processing Element.	Dr. G. Lakshminarayanan	Electronics and Communication Engineering	201741038399
8	Drowning Detection System and Method Thereof.	Dr. K. Srinivasan	Instrumentation and Control Engineering	201741038209
9	A Natural Fiber Processing Technique for Uniform GSM Fabrics	Dr. K. Sankaranarayanamsamy	Mechanical Engineering	201941020952
10	Biodiesel from Non-Edible Semecarpus Anacardium Seed Oil and Method Thereof.	Dr. R. Anand	Mechanical Engineering	201941050564
11	Solar Reverse Thermoelectric Power Generation System and Method Thereof.	Dr. Sivan Suresh	Mechanical Engineering	201941021210

12	Natural Fiber Reinforced Industrial Safety Helmet	Dr. K. Sankaranarayanasamy	Mechanical Engineering	201841000510
13	Biodiesel from Aegle Marmelos Correa and a Method Thereof. Preparation of Biocatalyst from Aegle Marmelos Correa Frut Shell for Bio Diesel Production	Dr. R. Anand	Mechanical Engineering	201741037531
14	A Novel Flux Composition for the Stainless-Steel Smaw Welding Electrodes.	Dr. S. P. Sivapirakasam	Mechanical Engineering	201741039032
15	Double Shoulder Friction Stir Processing Tool for Coating Application	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741041009
16	Friction Brazing/Soldering Tube to Tube Plate Using a Tool and A Method Thereof. Self-Sealing Type Friction Brazing/Soldering of Tube to Tube Plate using an External Tool	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741038449
17	Membrane for Water Filtration and Method Thereof.	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741039055
18	Durable Cost Effective and Efficient Membrane for Harvesting Drinking Water from Atmospheric Air and Method Thereof.	1. Dr. S. Muthukumaran 2. Dr. G. Arthanareeswaran	Metallurgical and Materials Engineering Chemical Engineering	201741039055
19	Method for Removal of Nile Blue Dye from Waste Water.	Dr. B. Karthikeyan	Physics	201841002213
20	A novel PCM based window for improving IAQ in split ac-built space	Dr. A. K. Bakthavatsalam	Training and Placement	201741039073

Source: IPR Cell, NIT, Tiruchirappalli

**5. 6. 5. Patents granted in Calendar year 2019**

S. No.	Title of the Invention	Inventors	Department	Patent No.
1	Apparatus for separating particles using piezoelectric sensor and actuator and a method thereof	Dr. G. Uma Dr. M. Umapathy	Instrumentation and Control Engineering	1707/CHE/2010

2	An electronic circuit for self-sensing piezoelectric actuator and method of operating thereof	Dr. G. Uma Dr. M. Umapathy	Instrumentation and Control Engineering	1715/CHE/2010
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Source: IPR Cell, NIT, Tiruchirappalli

### 5. 6. 6. Faculty Awards for the year 2019-2020

#### Best Performance in Teaching, Research and Institutional Development

S. No.	Name	Department
<b>Professor (HAG)</b>		
1	Dr. L Cindrella	Chemistry
<b>Professor (Engineering)</b>		
1	Dr. M. Duraiselvam	Production Engineering
2	Dr. S. Kumaran	Metallurgical and Materials Engineering
3	Dr. N. Sivakumaran	Instrumentation and Control Engineering
<b>Professor (Sciences)</b>		
1	Dr. S. Anandan	Chemistry
<b>Associate Professor (Architecture)</b>		
1	Dr. K. Thirumaran	Architecture
<b>Associate Professor (Engineering)</b>		
1	Dr. S. Suresh	Mechanical Engineering
2	Dr. N. Siva Shanmugam	Mechanical Engineering
3	Dr. R. Anand	Mechanical Engineering
4	Dr. R. Gandhimathi	Civil Engineering
5	Dr. S. Domnic	Computer Applications
<b>Associate Professor (HSS)</b>		
1	Dr. V. Sathyaraj	Humanities and Social Sciences
<b>Associate Professor (Sciences)</b>		
1	Dr. V. M. Biju	Chemistry
2	Dr. R. Nagalakshmi	Physics
<b>Assistant Professor Grade I (Engineering)</b>		
1	Dr. U. Srinivasulu Reddy	Computer Applications
2	Dr. M. Sridevi	Computer Science and Engineering
3	Dr. V. Sunitha	Civil Engineering
<b>Assistant Professor Grade II (Engineering)</b>		
1	Dr. R. Periyasamy	Instrumentation and Control Engineering
2	Dr. R. Senthilkumar	Civil Engineering
3	Dr. P. A. Karthick	Instrumentation and Control Engineering
4	Dr. A. Santhanavijayan	Computer Science and Engineering
5	Dr. P. Kaushik	Mechanical Engineering
6	Dr. S. Marisamynathan	Civil Engineering
<b>Assistant Professor Grade II (HSS &amp; Management Studies)</b>		
1	Dr. S. Nivethitha	Management Studies
<b>Assistant Professor Grade II (Sciences)</b>		
1	Dr. Sarthak Mandal	Chemistry
2	Dr. Ganesh Chandra Nandi	Chemistry

### 5. 6. 7. Budding Researcher Award for the year 2019-2020

#### Ph.D. Research scholars:

S. No.	Name	Roll No.	Department
1	K Kiruthiga	401115001	Architecture
2	Tamilmani J.	402116001	Chemical Engineering
3	Vijay N.	404116001	Chemistry
4	Janani L.	403116051	Civil Engineering
5	P. Praveen Kumar	405116008	Computer Application
6	Gerad Deepak	406118007	Computer Science and Engineering
7	V. Krushna Kanth	408116006	Electronics and Communication Engineering
8	S. Chrisben Gladson	408115001	Electronics and Communication Engineering
9	Chinmay Murali	409117004	Humanities and Social Science
10	Ramakrishna Manchi	416117004	Mathematics
11	T. Vinoth	411116003	Mechanical Engineering
12	Muralidhara B	412117004	Metallurgical and Materials Engineering
13	Antilen Jacob G	413116001	Physics
14	Vijay R	414114053	Production Engineering

### 5. 6. 8. Best Departments

Based on NIRF Parameters (Teaching Learning Resources, Graduation Outcome, Research & Professional Practice, Outreach & Inclusivity), the departments were evaluated for the “Best Performing Department” Award.

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

#### Engineering Discipline:

Department of Chemical Engineering

#### Non-Engineering Discipline:

Department of Management Studies

**In addition, Department of Chemistry (Non-Engineering) has been acknowledged for their consistent Top Performance.**

## 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 lakhs 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. 31000/- pm for first 2 years and Rs. 35000/- pm for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year.

#### 6.1.3. Scholarship Details

##### Central Government Scholarship:

S. No.	Name of Scholarship	Scholarship
1	Central Sector Scholarship scheme of top-class education <b>for SC Students</b> (Implemented by Ministry of Social Justice and Empowerment, Govt. of India)	Rs. 59,820
2	Central Sector Scholarship scheme of top-class education <b>for ST Students</b> (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:

S. No.	Name of Scholarship	Scholarship
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:

S. No.	Name of Scholarship	Scholarship
1	Oil & Natural Gas Corporation Scholarship for SC/ST students	1 <sup>st</sup> & 2 <sup>nd</sup> year Rs. 12,000/- 3 <sup>rd</sup> & 4 <sup>th</sup> 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 Student Rs. 80, 000 for each Engineering Student

The details of Scholarships and Fellowships sanctioned to the students of different programmes during 2019-2020 are as follows: (Refer NIRF document)

S. 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.	73	1467	56
2	B.Arch.	1	82	-
3	M.Tech., M.Sc., and MBA	-	761	71
4	MCA	-	65	-

## 6. 2. FINANCIAL ASSISTANCE

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 (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.

S. No.	Department	No. of Scholars in Ph.D.
1	Computer Science and Engineering	3
2	Instrumentation and Control Engineering	1
3	Electronics and Communication Engineering	1
4	Mechanical Engineering	1
5	Electrical & Electronics Engineering	4
6	Production Engineering	3



## 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 institution offering Architecture education. The facilities of the department include separate computer lab for UG and PG students with all required software, Building science laboratory, Model making workshop, Department library, Construction yard and Materials museum.

There are 16 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 also undertake architectural consultancy works. Faculty members are involved in research and consistently publish research papers in national and international journals as well as present 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.

#### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS)	5 / 2	
2	No. of books / books chapters published	Books	Book chapters
		1	
3	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	6.51
4	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	0.18
5	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	10
		-	-
6	Ph.D graduation details	Regular	Part Time
		-	03



**ARCHCULT'20 from 28/02/2020 to 01/03/2020**



## 7.2. CHEMICAL ENGINEERING

The Department of Chemical Engineering was established in the year 1967. B.Tech. (Chemical Engineering), M.Tech. (Chemical Engineering), M.Tech. (Process Control and Instrumentation) jointly with Department of Instrumentation and Control Engineering, M.S. (by Research) and Ph.D. (full time and part time) courses are being run by the department. The golden jubilee annexure building with two floors is under construction. All the under graduate and post graduate laboratories are modernized with new equipment's. All class rooms are equipped with teaching aids. Process Simulation laboratory in-housing the softwares ASPEN PLUS, CFD and Matlab are established.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	85 / 77 / 38		
2	No. of books / books chapters published	Books	Book chapters	
		-	8	
3	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		2	6	
4	No. of Patents	Filed	Published	Granted
		1	-	-
5	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		6	1	
6	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		13	4	
7	Guest Lectures	Delivered	Organized	
		8	-	
8	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	-	
9	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		2	15.45	
10	Ph.D. graduation details	Regular	Part Time	
		5	-	



ICMHEEE 2019 – 09/09/2019 to 11/09/2019



SPARC WORKSHOP – 02/12/2019 to 13/12/2019

### 7.3. CHEMISTRY

Department of Chemistry is a FIST sponsored department and we are delighted to present some of the research activities carried out in the department of Chemistry, NIT, Trichy during April 2019-March 2020. Prof. A.M. Kannan ARIZONA STATE UNIVERSITY (International PI: under SPARC project) visited the department in December 2019 and gave lectures on Fuel cell systems. Prof. Shu Pao Wu, Department of Applied Chemistry, National Chiao Tung University, Taiwan visited the department in January 2020 and gave series of lectures to students, scholars and faculties on fluorescent sensors and Bio-imaging applications. Prof. M. Ashokumar, University of Melbourne (International PI: under SPARC project) visited the department in January 2020 and gave lectures on ultrasonic synthesis of nanomaterials. Dr. S. Velmathi, visited Department of Applied Chemistry, National Chiao Tung University, Taiwan, in December 2019 under SERB-OVDF scheme for research collaboration.

Mr. N. Vijay, Research scholar of the department was selected for SERB OVD Fellowship to work in Department of Applied Chemistry, National Chiao Tung University, Taiwan for six months (August 2019-January 2020). Research scholars Ms. Anusuya Devi, Ms. Arthi, Ms. Priyanka Dorothy and Mr. Vasanthkumar of the underwent internship at Kaohsiung Medical University, Taiwan for six months. In the year 2019, department of chemistry published 98 papers in SCI/SCIE journals and gained around 2700 citations, which is a remarkable achievement for the department and we maintained the No.1 rank among the non-engineering departments of NIT Tiruchirappalli for the second consecutive year (2018 and 2019).

#### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	80 / 78 / 33	
2	No. of books / books chapters published	Books	Book chapters
		-	6
3	Sponsored Projects	Numbers	Amount (in Lakhs)
		8	398 lakhs
4	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	10.7
5	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	-
6	Guest Lectures	Delivered	Organized
		29	1
7	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		1	5
8	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		2	28 + 76 Lakhs
9	Ph.D graduation details	Regular	Part-Time
		5	1



Invited Lecture delivered by Prof. Shu Pao Wu, Taiwan on 08/01/2020



Pongal Vizha celebrated in the OJAS Building on Jan 12, 2020

## 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 80 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, NRRDA. The consultancy services are rendered various government agencies such as CIAL, AAI, Indian Railways, CPWD, and state government organizations. Our Students are able to get internship in leading Indian Institutes such as IIT's, IISc, and other prominent industries and also received prestigious fellowships.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	45 / 31 / 10		
2	No. of books / books chapters published	Books	Book chapters	
		-	4	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	54.5	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	310	
5	No. of Patents	Filed	Published	Granted
		1	1	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		3	1	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	10	
8	Guest Lectures	Delivered	Organized	
		12	-	
9	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		1	69 Lakhs	
10	Ph.D. graduation details	Regular	Part Time	
		6	-	



Workshop on Geotextile Reinforced Sustainable Pavements, July 8-12, 2019



Workshop on Geotextile Reinforced Sustainable Pavements, July 8-12, 2019

## 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 fifteen faculty members 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 books were published and six workshops were conducted.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	82 / 19 / 6	
2	No. of books / books chapters published	Books	Book chapters
		4	-
3	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	22.22
4	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		6	-
5	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		12	-
6	Guest Lectures	Delivered	Organized
		5	-
7	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	-
8	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		1	18.89 Lakhs
		Books	Book chapters



Work Shop on Computational Intelligence Techniques during 16<sup>th</sup> – 17<sup>th</sup> November 2019



## 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 66 papers in this academic year in reputed journals and conferences that are indexed in prestigious databases like SCI, Scopus, IEEE, etc. The department had carried out two consultancy projects, organized one International Conference, one National Conference and four workshops during this academic year.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	56 / 20 / 1	
2	No. of books / books chapters published	Books	Book chapters
		-	5
3	Sponsored Projects	Numbers	Amount (in Lakhs)
		2	54
4	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		5	1
		Number	Amount (in Lakhs)
5	Major Equipment (more than Rs. 5.00 lakhs)	-	-
		Regular	Part Time
6	Ph.D. graduation details	6	1
		Books	Book chapters



**FACULTY DEVELOPMENT PROGRAMME**



**SRAIC INTERNATIONAL CONFERENCE**

## 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 contributed in research by publishing several papers in reputed Journals. The 9<sup>th</sup> National Power Electronics Conference (NPEC 2019) was organized during 13<sup>th</sup> – 15<sup>th</sup> December 2019. The department has received research funding of Rs. 26.91 lakhs under SPARC Scheme. Apart, from this the department has also received research funding through agencies such as DST, SERB – MATRICS and CPRI. The Department will also be publishing four patents.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	64 / 34 / 24		
2	No. of books / books chapters published	Books	Book chapters	
		3	-	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		3	75	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	3.7	
5	No. of Patents	Filed	Published	Granted
		-	4	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		1	-	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		5	-	
8	Guest Lectures	Delivered	Organized	
		4	-	
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	1	
10	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		2	30.83	
11	Ph.D. graduation details	Regular	Part Time	
		9	-	



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

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	111 / 43 / 7		
2	No. of books / books chapters published	Books	Book chapters	
		-	1	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	214	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	1.88	
5	No. of Patents	Filed	Published	Granted
		-	1	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		-	1	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		-	52	
		Number	Amount (in Lakhs)	
8	Major Equipment (more than Rs. 5.00 lakhs)	-	38	
		Regular	Part Time	
		6	-	
9	Ph.D. graduation details	National	International	



International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019)

## 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, CO<sub>2</sub> sequestration using microalgae, phyco remediation, Computational fluid dynamics, wind energy, energy efficient building design, and energy & environmental audit.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	12 / 6 / 5		
2	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	1.13	
3	No. of Patents	Filed	Published	Granted
		-	1	-
4	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		3	-	
5	Guest Lectures	Delivered	Organized	
		4	-	



**NABL (17025:2017) certificate for Calibration Laboratory (CLDEE)**



**Visit of 5MW solar PV plant at BHEL by M.Tech. Energy Engg. students on 07/11/2019**



## 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 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	15 / 2	
2	No. of books / books chapters published	Books	Book chapters
		2	-
3	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	-
4	Ph.D. graduation details	Regular	Part Time
		2	-



**Workshop on Structural Equation Modelling -  
Basic & Advanced Analysis  
(2/12/2019 to 6/12/2019)**



**Research Colloquium on Business & Social Sciences  
(29/11/2019 to 3/12/2019)**

## 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 was awarded Young Woman Engineer Award 2019 by IEL, 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 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	36 / 22 / 3		
2	No. of books / books chapters published	Books	Book chapters	
		3	1	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	179	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	9.6	
5	No. of Patents	Filed	Published	Granted
		2	1	2
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		6	1	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	40	
8	Guest Lectures	Delivered	Organized	
		6	-	
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		5	-	
10	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		3	41.2	
11	Ph.D. graduation details	Regular	Part Time	
		5	1	



TEQIP-III Sponsored International Conference on Instrumentation and Control Engineering (ICECON - 2019)

## 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 17<sup>th</sup> 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 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	21 / 6 / 2	
2	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	83.8 Lakhs
3	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		11	-
4	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	2
5	Guest Lectures	Delivered	Organized
		1	20
6	Ph.D. graduation details	Regular	Part Time
		1	-



Nisadya'19, Annual Business Fest



INACON'19, Industry Academia Connect

### 7. 13. MATHEMATICS

The department of mathematics has launched PG program M. Sc. (Mathematics) from this academic year (2019-20). The faculty members of department of Mathematics have published good number articles in reputed journals. Outgoing students of our department are well placed in various academic and research organizations. Two Ph.D. scholars are graduating this year and all scholars are actively participating and presenting their research works in international/national level conferences organized by leading institutes. Faculties are being also being invited for talks in national level conferences/workshops organized by universities and colleges. Professor K. Murugesan have attended LEAP (Leadership for Academicians program), organized jointly by NIT, Trichy, IIIT, Sri City and NTU Singapore under the MoE, Government of India during 4<sup>th</sup> – 17<sup>th</sup> Feb, 2019.

#### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
1	Articles (Scopus / WoS / Q1 Journal)	28 / 15 / 6	
2	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	2
3	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		3	2
4	Guest Lectures	Delivered	Organized
		23	-
5	Ph.D. graduation details	Regular	Part Time
		1	-



**National Conference on Mathematical Analysis and Applications**



**International Workshop and Conference on Mathematical Analysis and Computation**



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

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	98 / 77 / 24		
2	No. of books / books chapters published	Books	Book chapters	
		-	8	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	96.2	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	14.23	
5	No. of Patents	Filed	Published	Granted
		-	6	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		12	1	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	20	
8	Guest Lectures	Delivered	Organized	
		5	2	
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	8	
10	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		1	115	
11	Ph.D. graduation details	Regular	Part Time	
		13	5	



**2<sup>nd</sup> International Conference on International Mechanical Engineering Congress (IMEC) 2019**

## 7. 15. METALLURGICAL AND MATERIALS ENGINEERING

The department of MME have contributed to the institute significantly at various levels, both nationally and globally in the year 2019-20. A total of 109 Scopus journals, 71 Web of Science indexed journals and 16 Q1 Journal papers were published by the faculty members and their research scholars during the year 2019-20. The Department faculty members have obtained 5 sponsored projects worth 243 lakhs from government agencies such as SERB, DST (INT-RUSSIA, ISRO – RESPOND and SERB-TARE) and consultancy works worth 33.4 lakhs has been executed. A revenue 19.56 lakhs was generated through short term courses. Dr. S. Muthukumaran had published 4 patents. In addition to this faculties and students have participated in various conferences both at national and international level.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	109 / 71 / 16		
2	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	243	
3	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	33.4	
4	No. of Patents	Filed	Published	Granted
		-	4	-
5	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		2	-	
6	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		23	-	
7	Guest Lectures	Delivered	Organized	
		1	-	
8	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	5	



2<sup>nd</sup> International Conference on Recent Trends in Metallurgy, Material Science and Manufacturing (IMME 2019) during 27-28 December 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 through campus placement, and some of them cleared GATE/NET examination and secured Ph.D. position in other institutions including IITs.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	79 / 71 / 25		
2	No. of books / books chapters published	Books	Book chapters	
		-	-	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		4	81.2	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	0.68	
5	No. of Patents	Filed	Published	Granted
		-	1	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		2	-	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		23	-	
8	Guest Lectures	Delivered	Organized	
		1	-	
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	5	



**ISNT National Conference on NDE for Research Scholars and Students 25<sup>th</sup> – 26<sup>th</sup> September 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. UG and PG programmes are accredited by the NBA. 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. 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.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.		
1	Articles (Scopus / WoS / Q1 Journal)	121 / 88 / 20		
2	No. of books / books chapters published	Books	Book chapters	
		1	6	
3	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	42.52	
4	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	35.42	
5	No. of Patents	Filed	Published	Granted
		4	-	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		1	-	
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		-	13	
8	Guest Lectures	Delivered	Organized	
		8	-	
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	-	
10	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		-	-	
11	Ph.D. graduation details	Regular	Part Time	
		5		



IEI Sponsored All India Workshop on Theory and Practice of Sustainable Manufacturing



## 7. 18. TRAINING AND PLACEMENT

### Notable T&P related achievements:

The students' placement record continues to be maintained at reasonably high percentages considering the pandemic driven global slowdown and lockdown. The entire process for about 209 Organizations has been happening on remote mode with the **students and the recruiting panel on remote, demanding extreme levels of seamless coordination**. The overall percentage of placements as on 31/03/2021 for under graduate programme is **83.3%** and Post Graduate Programme is **67.9%**. The placement process is still in progress. Summary details are given below:

### Notable Achievement (as on 31.03.2021):

No. of Companies Visited	No. of Students Placed	Percentage (registered)
209	UG : 519 PG : 351	UG : 83.3 PG : 67.9

With the placement process still in progress, the Institute is expected to end the year with close to near normal placements, despite extreme unfavorable global factors.

### Summary (AY 2019 - 20)

S. No.	Details	Total Nos.
1	Journals / International*	3 (Under Department of Energy and Environment): “Impact of condensate cooled air purging on indoor air quality in an air-conditioned laboratory” Building and Environment 188 (2021) 10751 DOI: doi.org/10.1016/j.buildenv.2020.107511  “Experimental investigation on thermophysical properties of coconut oil and lauryl alcohol for energy recovery from cold condensate” Journal of Energy Storage, Volume 31, October 2020, 101639 DOI: doi.org/10.1016/j.est.2020.101639  “Performance analysis of 1-Sun and 2-Sun ridge concentrator PV system with various geometrical conditions” International Journal of Energy Research DOI: doi.org/10.1002/er.6706
2	Conference / National	Organized webinar on NEP'20
3	Sponsored Projects	No's: 1 Amount: \$13,200

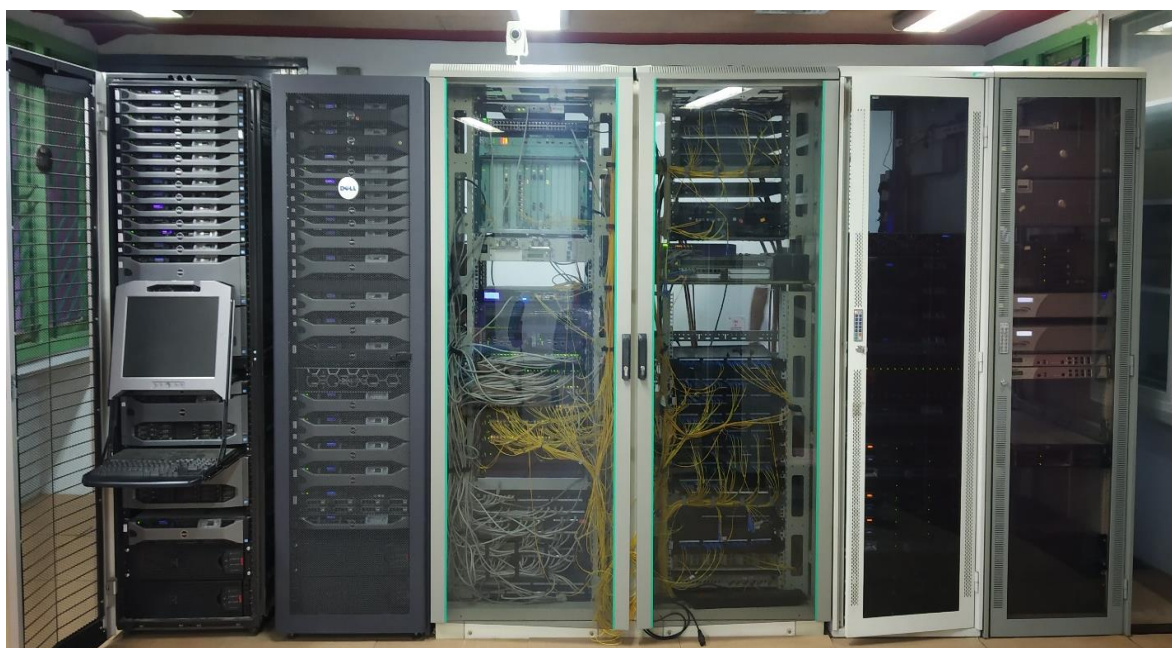
## 8. CENTRAL FACILITIES

### 8.1. 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:

NIT Tiruchirappalli 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 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:**

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 CSG laboratories are completely monitored through security cameras. Further, CSG is guarded by security personnel round the clock.

In addition to the above, 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 CSG.
- For all the Lecture Hall during teaching activity 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 /MoE 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.

## **8.2. SPACE TECHNOLOGY INCUBATION CENTRE (S-TIC)**

ISRO launched the SPACE TECHNOLOGY INCUBATION CENTRE at NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPALLI to enable start-ups to build applications and products of potential use 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 and looks forward to evolve as a student centric programme involving 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 the students 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.



**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 with a net worth of 1.6 crores have been received from the various R & D centres of ISRO across the country.

**Utilisation of NIT Tiruchirappalli facilities:**

The existing facilities and expert faculties of NIT Tiruchirappalli will be utilized by S-TIC for solving the ISRO sponsored space projects undertaken in the southern region.

**Funding:**

ISRO will provide a Grant-in aid of Rs 2.0 Cr to NIT Tiruchirappalli 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.

**8. 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 29<sup>th</sup> 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 Color 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.

### **8. 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 to 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

### **8. 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 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 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 across all departments of the Institute. Students are encouraged to pursue innovation of all kinds, ranging from hobby projects to marketable product prototypes. 24/7 access to facilities ensures that they can experiment and test ideas without a fear of failure and encouraging them to innovate, prototype, and improve their ideas.

Members of various technical clubs are actively utilizing the space of the SCIENT labs. 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. First aid training for members is also being routinely conducted every year.

## 8.6. IPR CELL ACTIVITIES

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. 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 through 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.

## 8.7. COUNSELING AND GUIDANCE CELL

Institute has provision for improving the academic performance of weaker students through Equity Action Plan. It focuses on student-centred strategies to improve their performance through the appointment of active mentors/counsellors in guiding the student. NIT Tiruchirappalli has taken the lead initiative in establishing ‘Counselling 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 under the supervision of the Office of the Dean (Students' Welfare). The Counselling and Guidance Cell also assists students, faculty and staff in overcoming 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 nurturing it.
- Helping students to sort out 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 with a focus on optimal psychosocial care.
- Help is provided through individual counselling, group therapy, family counselling and crisis counselling.

An online counselling and emotional support platform, yourdost.com, designed to foster mental wellness was launched on 6<sup>th</sup> August 2019. It anonymously connects individuals with the right expert consisting of psychologists, psychotherapists, counsellors, life coaches, career guides. This online support platform ensures people with rich and deep life experience provide suitable guidance to individuals maintaining the confidentiality. 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.

## **8.8. HOSPITAL**

The Institute Hospital is equipped with Casualty, OP & IP facilities, 24 hours' pharmacy and a clinical laboratory, functioning in the well-established new building since 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 facilitated through visiting doctors on scheduled days.

### **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 (2019-20):**

- 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 Priyadarshini, 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)

### **8. 9. HOSTELS**



The National Institute of Technology is a residential institute and Hostel administration is an independent unit with respect to its internal administration. It is 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 Councillor (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 in 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 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) - 2019-20:

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 (2019-20):

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.I.Jeyaraman, Maths	Amber A, B, MM II South	jeyaraman
6	Dr.S.S.Karthikeyan, ECE	Aquamarine A, B, Sabari Mess	sskarthikeyan
7	Dr.N Prakash, Maths	Zircon A, B, MM I North	prakashn

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.Vamsinadh Thota, Maths	Lapis, Sapphire, Topaz, Annapurna Mess	vamsinadh
12	Dr.R.Periyasamy, ICE	Emerald, Pearl, Ruby, MM II –North Mess	periyasamyr
13	Dr.D. Ruben Sudhakar, DEE	Garnet A, B Kailash	rubensudhakar
14	Dr. V. Karthik, MME	Zircon C & Mess B	karthikv

### 8. 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.

### 8. 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:**



Aqua sports complex was inaugurated in 2003 with a 25 m swimming pool. The 5 lakh litres of water are 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**

This stadium is inclusive of one volleyball court, one basketball court, two badminton courts, and three table tennis courts with 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.



## 9. TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE – III

The third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is a significant component of funding source for improving the quality of Engineering Education. TEQIP is implemented through the Ministry of Education (MoE) of the Government of India as a Central Sector Scheme (CSS). One of the main objectives of TEQIP – III is twinning arrangements to build capacity and improve performance of mentee institutions. 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.7.70 Crores under TEQIP-III. Out of this, Rs. 3.25 Crores has been utilised for purchasing equipment as part of modernization of laboratories across different departments. An amount of Rs. 375.00 Crore has been allocated for soft components head comprising of activities such as faculty staff training, student learning activities, institute reforms initiatives, mentoring activities to mentee institute, graduates' employability through finishing School, start-up Cell, Industry Institute Interaction cell events and Research Development activities. Further, Rs.70 Lakhs has been earmarked for the Operating cost.

### Activities under TEQIP-III

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

8. A workshop on “Capacity Building of Women managers in Higher Education” was held from 4<sup>th</sup> to 9<sup>th</sup> December 2017 at NIT Tiruchirappalli. 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 of MITACS Canada & MoE, NPIU New Delhi.
10. Computer Support Group, NIT Tiruchirappalli conducted a short-term course on “Computer Skills” to 154 non-teaching staffs during 4<sup>th</sup> June to 22<sup>nd</sup> June 2018.
11. Six international conferences were conducted during 2018 and 2019 by the departments of the Chemical Engineering, EEE, ECE, MME, CSE and Mechanical Engineering.
12. Dean Faculty Welfare Office jointly with IITM conducted a workshop on “Faculty Induction Training Programme” during 21<sup>st</sup> to 23<sup>rd</sup> June 2018 for the 37 newly joined faculty members (37 numbers).
13. Dean Students Welfare Office conducted an Orientation Programme for the first year B. Tech Students of all branches under TEQIP-III during 31<sup>st</sup> July, 2018 to till date.
14. Employability skill test was conducted for 469 first year B. Tech. Students during 4<sup>th</sup> to 6<sup>th</sup> Dec 2018.
15. GATE training was conducted for 150 Final year B. Tech students during Feb 2019.
16. The GATE 2019 registration fee for 221 Final year B. Tech students was reimbursed.
17. 231 Final year B. Tech students were trained for GATE 2020.
18. Second phase of seed money grant worth Rs. 38 Lakhs under the Research & Development head was awarded to 201 faculty members.

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

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 21<sup>st</sup> July 2017 at New Delhi.
2. Dr. A. V. Reddy, Dean (Students Welfare) attended the workshop on “Induction programme for sensitization” which was held on 24<sup>th</sup> August 2017 at New Delhi
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 4<sup>th</sup> to 6<sup>th</sup> September 2017
4. Eight 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
  - Dr. M. Murugewsan, Mathematics, IIM Calicut
  - Dr. Vinod Balakrishnan, Humanities, IIM Vizag

- Dr. Sarthak Mandal, Chemical Engg., IIM Trichy
  - Dr. A. Ramakalyan, ICE, IIM Trichy
  - Dr. S.Arul Daniel, EEE IIM Trichy
5. Dr. N. Sivakumaran, Start-up Cell Coordinator attended the workshop on “Start-up Activities’ & preparation of mini-action plan” held on 16<sup>th</sup> & 17<sup>th</sup> January, 2018 at BIT, Mesra, Ranchi.
  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 from 8<sup>th</sup> to 13<sup>th</sup> Jan 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 6<sup>th</sup> to 8<sup>th</sup> December 2017.
2. Short term & Long-term plan was drafted for the mentee Institution (DBRAIT) on 31st January 2018.
3. Two Officials of NIT, Trichy team; Dr. S. Senthil Kumar, Nodal Officer Academic TEQIP-III & Dr. V. Sunitha, Nodal Officer Procurement TEQIP-III visited DBRAIT under Twinning Activities during 14<sup>th</sup> & 15<sup>th</sup> May 2018.
4. Dr. J. Karthikeyan, Asso. Prof., Civil Engineering, NIT, Trichy delivered lectures on the topic “Advanced Structural Analysis” under Twinning Arrangement activities held on 13<sup>th</sup> & 17<sup>th</sup> September 2018 at DBRAIT.
5. Performance Auditor - Prof. N.C. Shivaprakash, IISc, Bangalore & NIT Trichy TEQIP team of Dr. M. Udayakumar, TEQIP Coordinator, Dr. N. Sivakumaran, Start-up cell coordinator and, Dr. S. Senthilkumar, Nodal Officer Academic TEQIP-III attended the “Twinning Arrangement activities” held on 12<sup>th</sup> & 13<sup>th</sup> October 2018 at DBRAIT, Andaman.

NAME	DESIGNATION	TOPICS OF LECTURES DELIVERED
Dr. M. Udayakumar	Co-ordinator, TEQIP-III, Professor Dept. of Mechanical Engineering, NIT-T	Special Lecture on Electric Vehicle Technology- Indian Scenario.
Dr. N.C. Siva Prakash	NIT-T Performance Auditor, TEQIP-III, Professor, Dept. of Electronics and Instrumentation Engineering, IISC Bangalore	Motivational Discussion with TEQIP Officials / HoDs / Faculty/ Staff and students.
Dr. S.Senthil Kumar	Nodal Officer (Academic), TEQIP-III, Associate Professor, Dept. of 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"> <li>• Overview of Start-up cell activities at DBRAIT</li> <li>• Case Studies on intelligent system design</li> </ul>
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6. Dr. S. Moorthi, Asso. Prof., Dr. M. Venkatakrithiga, Asso. Prof. & Dr. P.Raja, Asso. Prof. of EEE Dept. attended a programme on SAR preparation & finalizing under “Twinning Arrangement activities” which was held from 7<sup>th</sup> to 11<sup>th</sup> November 2018 at DBRAIT, Andaman.
7. The DBRAIT team of 5 Officials (Dr. V. Alagusundaram, HoD (Computer), Shri. Arun Srivastava, HoD (Electrical), Dr. Jenson Daniel, HoD (Civil), Shri B.K. Jena, HoD (Mechanical), Shri. Harsabardhan Barik, Assistant Prof, CSE, Nodal Officer (Procurement)) visited NIT Trichy under TEQIP-III Procurement plan preparation which was held on 29<sup>th</sup> & 30<sup>th</sup> January 2019.
8. Prof. S. Raghavan, ECE Dept. attended DBRAIT as a BoG nominee on 15<sup>th</sup> April 2019 & also as a Viva voce Project Examiner of final year B. Tech students on 16<sup>th</sup> April 2019 at DBRAIT.
9. Three students of Campus Interview committee of NIT Tiruchirappalli (CSE, Civil, ECE) visited DBRAIT, Andaman & Nicobar during 22<sup>nd</sup> and 23<sup>rd</sup> April 2019 to accelerate the student placement activities and provided help with updating the placement company data base, preparation of placement brochure and aptitude mock test.
10. Dr. Utpal Sharma, Principal, DBRAIT, Port Blair, A&N visited NIT Tiruchirappalli on 17/04/2019 and interacted with the Director and TEQIP team.
11. Mr. Sourav Debnath, Assistant Librarian visited DBRAIT as resource person for 2 days workshop on Integrated Library Management System (ILMS) on 11<sup>th</sup> & 12<sup>th</sup> May 2019.
12. Internship was arranged for 10 students of DBRAIT from 3<sup>rd</sup> June to 3<sup>rd</sup> July 2019.
13. One faculty and seven students from DBRAIT visited NIT Tiruchirappalli during 27<sup>th</sup> to 31<sup>st</sup> Aug, 2019.
14. A team from DBRAITT visited NIT Tiruchirappalli. Arrangements were made for visits to the departments and interaction with Dean (SW), Dean (ID), TEQIP officials and the Placement officer. During this session, they were briefed about the existing central facilities and the various student club activities at the Institute.
15. 12 students of DBRAIT participated in Festember 2019 at NIT Tiruchirappalli during first week of October 2019.
16. Shri Sukhvinder Singh, CSE faculty of DBRAIT visited NIT Tiruchirappalli related to video conference arrangements NIT Tiruchirappalli & DBRAIT on 23<sup>rd</sup> August 2019.
17. Shir Altamash Mustafa, AP Civil regarding conformation of rate reasonability of procurement visited 3<sup>rd</sup> to 5<sup>th</sup> Nov 2019.
18. Dr. K. R. Balasubramanian, Nodal Officer (Finance), Dr. K. Panneerselvam, Nodal Officer (Academic) and Dr. S. Jerome, EAP Coordinator, TEQIP-III of NIT Trichy team along with

Prof. N. C. Shivaprakash, IISc, Bangalore to discuss and accelerate the Twinning arrangement activities held on 19<sup>th</sup> and 20<sup>th</sup>, Aug 2019.

19. Dr. Kunwar Singh and Dr. E. Sivashankar, CSE Dept faculty of NIT Trichy faculty delivered guest lecture and attended viva exam of B. Tech students held on 15<sup>th</sup> & 16<sup>th</sup> October 2019.
20. The Director NIT Tiruchirappalli delivered a lecture, “Women Empowerment” on 7<sup>th</sup> January 2020 for all students and faculty of DBRAIT.
21. Student Council member and Hostel convener (8 members team) participated in PRAJANA during 30<sup>th</sup> and 31<sup>st</sup> January 2020.



## 10. 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.

### 10.1. ENTREPRENEURSHIP AND STARTUP INCUBATION PROGRAM ORGANIZED



St. Joseph College, Trichy on 22<sup>nd</sup> JAN 2020 with a participation of about 120 College students



The Institute of Engineers, (INDIA) Madurai Local Centre, on 19<sup>th</sup> FEB 2020 with participation of about 80 students from nearby colleges and 25 SMEs.

### 10.2. FACULTY STARTUP INITIATIVE PROGRAM @CEDI: FACULTY STARTUP SELECTION PROCESS HELD ON 14<sup>TH</sup> JUNE 2019 AND 24<sup>TH</sup> AUG 2019

Eight faculty teams have presented for the Faculty Startup Initiative; two levels of selection process have been conducted to evaluate the proposal by the selection committee.



**10.2.1 Projects selected for the faculty startup program with the necessary hand holding support from CEDI**

S. No.	Faculty name	Project Title
1	Dr. S. Domnic, Associate Professor, Dept. of Computer Applications	Person Detection and Recognition from Live Surveillance Video Streaming for Societal Applications
2	Dr. K. Pannir Selvam, Associate Professor, Dept. Mechanical engineering	Proposal for Start-up company to manufacture solar cooking system
3	Dr. R. Periyasamy, Assistant Professor, Dept. of ICE	A novel device for evaluating somatosensory status on plantar surface of diabetic patients

**10.2.2 Faculty startup companies which have been incorporated at the Ministry of Corporate affairs**

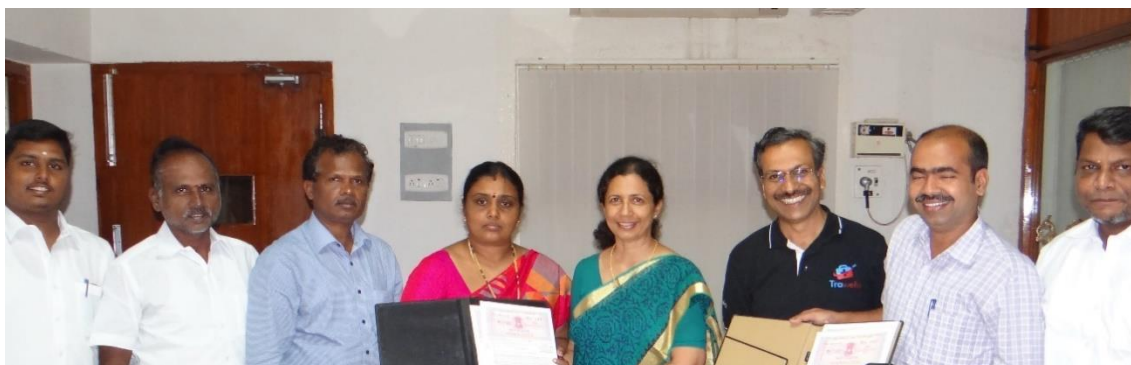
S. No.	Faculty Promoters	Company Name
1	Dr. S. Domnic, Associate Professor, Dept. of Computer Applications	AIDVISION SOLUTIONS Pvt. LTD
2	Dr. R. Periyasamy Assistant Professor, Dept. of ICE	PROGNOSTIK HEALTHCARE INSTRUMENTS Pvt. LTD.

**10.3. SELECTION OF NEW INCUBATEES LEVEL-1, 17<sup>TH</sup> JULY 2019 & LEVEL-2, 24<sup>TH</sup> AUGUST 2019:**

In the selection process, 16 teams have been shortlisted in the Level 1 and out of which the following two teams have been selected for the CEDI Incubation program during the year 2019:

S. No.	Company Name	Venture/Project Title
1	Trawello Health Care Pvt Ltd. (NIT Tiruchirappalli Alumni Startup)	HealthCare related Technology development
2	Ramani Educational and Charity Trust (Women entrepreneur)	Creating livelihood for the rural women and college students by product training and skill development on six product categories

These above incubatees have been identified for the Mentoring, Student Internships, Infrastructure support, Office space/ Incubation Cell on rental basis.



#### 10.4. NIT TIRUCHIRAPPALLI-STUDENT INTERNSHIP @ CEDI STARTUPS:

The following student intern support have been provided to the CEDI startup in association with NIT Tiruchirappalli- Training and placement office.

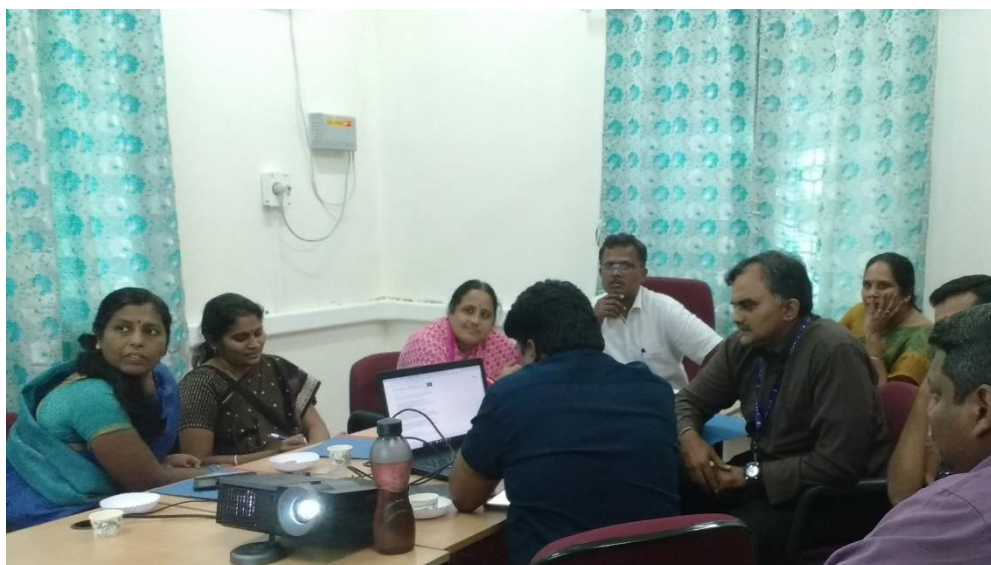
S. No.	Student Name	Stream/ Year	Project work	Monthly stipend (in Rs.)	Duration (in months)
1	K. Manoranjan	B.E.ICE/ Final	Android App Development	10,000/-	5
2	Harsh Purohit	MCA/ Final	Suite of Android App	10,000/-	5
3	Ruchita Nagar	MCA/ Final	Suite of Android App	10,000/-	5
4	Swapnil Gupta	MCA/ Final	Website development	10,000/-	5
5	Rohit Bairagi	MCA Final	Automation using scripts/tools	10,000/-	5

#### 10.5. FACULTY EXPERT MENTORING AND LAB / INFRASTRUCTURE UTILIZATION BY CEDI STARTUPS:

S. No.	Faculty Expert / Mentor support	MoA for joint work	Lab / Infra support
1	Dr. S. Domnic Principal Project Investigator	Person Identification Management System using Face Recognition and Deep Learning Technology rendered through Cloud services	Siemens CoE, ICE Lab
2	Dr. R. Periyasamy Principal Project Investigator	Portable & Automated Digital Body Mass Index (BMI) Machine	Siemens CoE, CA Lab

#### 10.6. INTERACTION WITH THE NABARD:

A Meeting was held on 29<sup>th</sup> October 2019 between Shri.RAJARAMAN, AGM, NABARD and NIT Tiruchirappalli faculty to discuss on the scope of associating in the area of Agriculture, Crop Monitoring, Irrigation and Technology in promoting agripreneur.



## 11. STUDENT ACTIVITIES

### 11.1 FESTEMBER 2019

Festember 2019, themed 'Cinema Paradiso' began on the 3<sup>rd</sup> of October, 2019 and ended on the 6<sup>th</sup> of October. 68 events, 11 workshops, and 7 informals were held during the fest. It was ensured that the participants had a fun, yet informative experience. The informals were enjoyed by people of all ages. Festember '19's fusion night was held at GJCH, from 8:00 p.m. to 11:00 p.m. on day 0. The event was sponsored by Realme, our Official Smartphone Partner. It was headlined by Karthik Iyer's IndoSoul and was met with resounding success. Karthik Iyer's Indosoul is a band that is celebrated for being the pioneer in Indian Classical Fusion music. The band consists of musicians from diverse musical backgrounds - Vikram Vivekanand on the guitar, Reshwin Nishith on bass, Ramkumar Kanakarajan on drums, Sumesh Narayanan on the mridangam and percussion, and Karthick Iyer on violin and vocals. They performed a variety of songs, spanning multiple genres, much to the audience's delight.

The events were in different clusters from Tamil, Telugu, English and Hindi Lits; Dance; Music; Dramatics and Photography and tested each participants' abilities. The sponsors for the guest lectures were JioSaavn, City Union Bank, Republic TV, Coca Cola, NesPlus, Orphic Life, Fujifilm, MTV Beats, Chennai Live 104.8 FM, Cartoon Network, Carnival Cinemas and Fever FM 91.9. The first guest lecture was by eminent journalist and a consulting editor of The Times of India, Mrs. Sagarika Ghose. It began at 2:30 pm and ended at 3:30 pm. Around 200 people attended her lecture. She spoke about important issues like gender inequality at the workplace, the importance of media during elections and how the commercialisation of media has curbed their freedom to report truthfully.

The guest lecture by Hollywood concept artist Nathan Schroeder was held at Barn Hall on Day 1 from 5:30 pm. The lecture covered the story behind him getting into this niche line of work where an idea for the setting is brought to life through art. It also covered his process of converting his ideals into tangible design, which was very well received from the crowd, winning their interest and fascination. His key message was that the artist lies within all of us, we just shouldn't let it be latent. The lecture concluded with the institute memento being given to Mr. Schroeder by the director, Dr. Mini Shaji Thomas, and the Festember memento being given to him by the Dean (Students Welfare). The workshops ensured that the participants had a fun, yet informative experience. The informals were enjoyed by people of all ages.

The second ProShow of Festember '19, Rock Nite happened on Day 1 of the fest at 9 pm. The Alternative Hard Rock band WACX was the first to perform. They are a 5-piece band from Chennai who draw their influences from the different eras of music, bringing a dynamic wall of sound and a live energetic act wherever they go. Masala Coffee, an indie band performed next. Their act was electrifying and had the audience on their feet and having an amazing time. The sponsors for this event are Realme, JioSaavn, City Union Bank, RepublicTV, FastTrack and MTV Beats.



Mrs. Rathika Ramasamy, an acclaimed wildlife photographer, delivered her guest lecture under the guest lecture series Vox Populi. The guest lecture took place on Day 2 of Festember, in the Senate room at 10 am. The event was powered by Jio Saavn, in association with Realme, our Official Smartphone Partner. Further, it was brought to us by City Union Bank and broadcasted by Republic TV-India's No.1 English News Channel.

She spoke about her upbringing, her childhood in southern Tamil Nadu. She then proceeded to talk about her education, how she chose a computer engineering degree and further went on to do a management degree before deciding her calling lay elsewhere. She then showcased a slideshow of an assorted array of her photos, while simultaneously talked about her photography career in detail. She then finished the session with a question-and-answer session.

The 4<sup>th</sup> guest lecture of the Carpe Diem guest lecture series took place in EEE Audi on 05/10/2019. Famed actor and TV personality Anu Hasan delivered an engaging discourse on entertainment. People turned up in huge numbers to listen to her compelling narrative. She also took questions in a brief Q/A session. She was presented with an institute memento, Festember memento, and a gift pack from the GL's official snack partner, NABATI.

The EDM Nite happened in GJCH on Day 2 of Festember '19. The event was sponsored by Realme, JioSaavn, City Union Bank, RepublicTV, FastTrack and MTV Beats. The event started at 10.00 pm and went on till midnight. Delhi-based EDM duo Progressive Brothers came up to huge cheers from the audience and had the jam-packed venue raving like there was no tomorrow.

The finals of various events from different clusters of Tamil, Telugu, English and Hindi Lits; Dance; Music; Dramatics and Photography were held, with each event testing the abilities of the participants. With the semi-finalists making use of their knowledge, presence of mind and talent to win the coveted Festember prize, the judges had a challenging time to choose the best of the very best.

The sponsors for the guest lectures were City Union Bank, Republic TV, IndiaGlitz, Pillsbury, MTV Beats, Chennai Live 104.8 FM, Kappa TV, and Bombay Shaving Company. The final ProShow of Festember '19, known as JioSaavn SoundBound happened on Day 3 of the fest. The star of the night,



**Festember' 19**

Benny Dayal provided the audience with a spectacular performance, making it one of the most memorable nights of Festember'19.

## 11.2 CLUBS AND SOCIETIES

S. No.	Department	Faculty
1	AAYAAM	Hindi Literature Club
2	AIESEC	International Youth Leadership Organization
3	AKSHARA	Telugu Literature Club
4	AMRUTHAVARSHINI	Classical music club
5	APEKSHAA	Non-profit organization to perform social work
6	ATHENÆUM	Model United Nation
7	BALLS BY PICASSO	English Literary Club
8	BUILDERS' HIVE	Providing Construction Solutions
9	DANCE TROUPE	Dance Team of NIT Tiruchirappalli
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 NIT Tiruchirappalli
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 NIT Tiruchirappalli
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 NIT Tiruchirappalli
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



### 11.3 STUDENT CLUBS ACHIEVEMENTS

Name of the Student	Prize Won
Kishore V	<b>Singapore - India Hackathon 2019:</b> SI Hackathon, a 36-hour international competition jointly conducted by MoE Innovation Cell (MIC), along with the All India Council for Technical Education (AICTE) and Nanyang Technological University, Singapore (NTU Singapore), was held from 28 <sup>th</sup> to 30 <sup>th</sup> September 2019. One team from NIT Trichy won a cash prize of \$2,000 (SGD) and acquired the sixth position overall and first position in their respective problem statement.
Kamalesh Palanisamy	
Kirubaraj Manimathavan	
Nithin Balaaji DV	<b>HSBC India Business Case Competition:</b> The team Reverse Engineers comprising four UG students have qualified to the National Finals and have made it to the top 4 teams in India!
Adithyaa S	
Shravan R	
Swesha Venkateshwaran	
K M Dhivakar	<b>Designers' Consortium:</b> First place in Industrial Design Problem at VIT Vellore on 12 <sup>th</sup> Oct 2019
K Vedhanarayan	
Sudarsana Jayandan	
S M Deepshikha	<b>Designers' Consortium:</b> Second place in Industrial Design Problem at VIT Vellore on. 12 <sup>th</sup> Oct 2019
Navneeth Rajiv	
Kevin Mathew Thomas	
Adithya K	<b>Designers' Consortium:</b> Third place in Earth Matters at IIT Bombay on 3 <sup>rd</sup> Jan 2020
Kevin Mathew Thomas	
Mayank Kapur	
S Smrithi	
K Vedhanarayan	
Karthi S	
Niranjan Kumar	<b>Designers' Consortium:</b> First place in Innovationeering at IIT Bombay on 3 <sup>rd</sup> Jan 2020
Premkumar S	
Niranjan Kumar	
Vaibhav Malani	
Girithar	
Saimothish	
Vishnu M H	<b>Designers' Consortium:</b> First place in Caterpillar IDP 2.0 at IIT Madras on 5 <sup>th</sup> Jan 2020
Puthiyavan L N	
S Smrithi	
Sudarsana Jayandan	
Rohit Surya	
Harikrishna K	<b>Designers' Consortium:</b> Second place in Caterpillar IDP 2.0 at IIT Madras on 5 <sup>th</sup> Jan 2020
Atharva Kulkarni	
Jayendran R	
Navneeth Rajiv	

Vaibhav Malani	
Burhanuddin Shirose	<b>Designers' Consortium:</b> First place in Bajaj Robotics Challenge at IIT Madras on 4 <sup>th</sup> Jan 2020
L S Meenatchi	
K Vedhanarayan	
Kunal Yadav	
Adithya K	<b>Designers' Consortium:</b> Second place in Bajaj Robotics Challenge at IIT Madras on 4 <sup>th</sup> Jan 2020
Dhivakar K M	
Mayank Kapur	
Seetharam	
Burhanuddin Shirose	<b>Designers' Consortium:</b> 2 <sup>nd</sup> place in Democracy Start-up on 15 <sup>th</sup> Feb 2020
Mayank Kapur	
Dhivakar K M	
Puthiyavan L N	
S Smrithi	
Premkumar S	
Yash Prakash	Third Place in Finatholon conducted by IIM Bangalore on January 2020
Nischal Mathur	
Aman Singh	<b>SIGMA - Campus Development Project:</b> To rearrange the planogram and layout of the 2K departmental store in order to improve customer experience and improve turnover
Akanksha Thakur	
Bhala Harish	
Kushagra Kandapal	
Vishaka Shah	<b>The Third Dimension:</b> Finalists at Boeing National Aeromodelling Competition (5-6 Jan, 2020), Shastra IIT Madras. Received cash prize of Rs. 5000 for qualifying in top-30
Abhishek Shanklesha	
Sai Charan Golusu	
Ishanee Khadakkar	
S. R. Harshini	<b>The Third Dimension:</b> Finished in top 10 teams at e-Yantra Competition at IIT Bombay. Each member got an internship through e-Yantra at IITB among various domains.
Gosu Arun Kumar	
Darshan Savaliya	
Praveen Dwivedi	
Praveen Yadav	<b>The Third Dimension:</b> 2 <sup>nd</sup> Place in Design Report at SAE-VIT Aerodominator (12 <sup>th</sup> October 2019), GraVITas 19, VIT Vellore
Somnath Swain	
Tamoghno Saha	
R Surya Narayan	
Rajesh Satuluri	
Amal Johnson	<b>Spider R&amp;D:</b> ACM ICPC
Rajat Bhatta	
Srikanth R	1. Online Round 2019 - Secured 51 <sup>st</sup> Rank - 18/10/2019 2. Pune-Gwalior Regionals - Secured 30 <sup>th</sup> Rank - 14/12/19 & 15/12/19 3. Amrita Regionals - Secured 107 <sup>th</sup> Rank - 26/12/19 & 27/12/19
Madhav Aggarwal	<b>Spider R&amp;D:</b> Tezos India fellowship Date: 16 <sup>th</sup> July
Aditya Kumar Singh	<b>Spider R&amp;D:</b> Shastra IIT Madras
Ruphan S	

Raj Kumar Bhagat	2. Shaastra Circuit Design Challenge (SCDC) - Winner - 6 <sup>th</sup> Jan 2020
Anjaneya	<b>Spider R&amp;D:</b> Pragyan Hackathon - 2 <sup>nd</sup> place Date: 22 <sup>nd</sup> Dec 2019
Harshit	
Thrishik	
Anjaneya	<b>Spider R&amp;D:</b> Jaipur Hackathon CodeIn Build - 5 <sup>th</sup> place Date: 25 <sup>th</sup> Jan 2020
Isha	
Khushali	
Thrishik	<b>Spider R&amp;D:</b> Inout - Participation Date: 20 <sup>th</sup> Jan 2019
Kishore	
Praveen	
Vishal	<b>Spider R&amp;D:</b> TransfiNITTe - Special Mention Date: 20 <sup>th</sup> Jan 2019
Rishav	
Shivani	
Praveen	
Kishore	
Anish	
Anjaneya	<b>Spider R&amp;D:</b> Daksh, AR in Smart Manufacturing - 1 <sup>st</sup> Prize Date: Feb 2020
Soma Karthik	
DC Vivek	
Abhishek R	
Sundar P	<b>Spider R&amp;D:</b> Daksh, AR in Smart Manufacturing - 2 <sup>nd</sup> Prize Date: Feb 2020
Vibhashan	
Shyam	<b>180DC NITT:</b> 1 <sup>st</sup> Position in Sparsh 2020 (Social Impact Case Competition) conducted by IIM Bangalore
Achyut Ramkumar	
Kargil Mishra	
Vijay Kiran Vinod	<b>180DC NITT:</b> Top 4 amongst 200+ teams in the HSBC India Case Competition 2020
Adithyaa Sriram	
Shravan Rathish	
Swesha V	
Nithin Balaaji	<b>180DC NITT:</b> 1 <sup>st</sup> place in EY Case Championship 2020
Tejas Shajapurkar	
Tejas Shajapurkar	<b>180DC NITT:</b> Top 10 in India for PM live case competition conducted by Redbricks summit, IIMA
Swesha V	
Anirudh Sriram	<b>180DC NITT:</b> National Finalists in the Solve! Global Challenge 2020 conducted by Case solvers
Srinivasa Kannappan	
Nithin Balaaji	
Adithyaa Sriram	<b>180DC NITT:</b> National finalist in Case Chronicle 2020 (Business Case Study Competition)
<b>180DC NITT Full Team</b>	Successfully completed 5 student consulting projects with clients in India and around the world 1) 2 Customer Segmentation & GTM Project 2) 3 marketing Projects
V K Viekash	<b>RMI:</b> 1 <sup>st</sup> place in Snippets hunt coding, 21 <sup>st</sup> Feb 2020 conducted at PSG
Hemangani N	

Kailash Jagadeesh	<b>RMI:</b> 1 <sup>st</sup> place in Colloquium (paper presentation), Currents '20 - 15 <sup>th</sup> Feb 2020
Shrikumaran P B	
Nilendu Ganguli	<b>RMI:</b> 3 <sup>rd</sup> place in e-Yantra conducted at IIT Bombay
Gaurav Nagotanekar	
Shubham Aggarwal	
V K Viekash	<b>RMI:</b> 3 <sup>rd</sup> place in APC-Arduino Programming Challenge, Shaastra 2020, IIT Madras. 3 <sup>rd</sup> place in Eleckart, Shaastra 2020, IIT Madras.
Hemangani N	
Kailash Jagadeesh	
Harshith Vignesh	<b>RMI:</b> 2 <sup>nd</sup> place in APC-Arduino Programming Challenge at Shaastra 2020, IIT Madras. 2 <sup>nd</sup> place in SCDC- Shaastra Circuit Design Challenge, Shaastra 2020, IIT Madras.
R Mukesh Kanna	
Akesh M	<b>RMI:</b> 1 <sup>st</sup> place in TransfNITTe v2 Date: 20 <sup>th</sup> Jan 2020
Akshat Khandelwal	
Kailash Jagadeesh	
Hemangani N	
Sathya Prakash	
Huzaifa M.U Archit T Sridarshan K.S Aebel Paul Vivek Suman  Vijayaragavan S.M V.V.S Raghuvier Prithvi Reddy S.V Nachiket Raut D. Sasi Preetham Tej Singh Ganesh A Sricharan P.K Sabyasachi Dash Sivaraman I.S Ayush Raj V.V Ravindra Reddy  Challa Yachendra Tanishk V Hirthick Kumaran N Madhav Menon	<p><b>PSI RACING TEAM</b>  <b>BAJA SAE India Competition:</b> An event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers, USA. PSI Racing, the motorsports team of NIT Tiruchirappalli, secured 5<sup>th</sup> position in the overall category out of 400 teams participating from all over India. Other Static and Dynamic events' results are as follows:  Cost Event: 13<sup>th</sup> position  Design Event: 6<sup>th</sup> position  Suspension and Traction: 5<sup>th</sup> position  Rock Crawl: 5<sup>th</sup> position  Acceleration: 10<sup>th</sup> position  Maneuverability: 7<sup>th</sup> position  Overall: 5<sup>th</sup> position</p> <p><b>Enduro Student India Competition:</b> An off-road student design competition held in Pune. PSI Racing secured 3<sup>rd</sup> position in the overall category and the other ranks are as follows:  Cost Event: 4<sup>th</sup> position  Design Event: 4<sup>th</sup> position  Acceleration: 1<sup>st</sup> position  Maneuverability: 1<sup>st</sup> position  DirtX: 2<sup>nd</sup> position  Sprint: 3<sup>rd</sup> position  Endurance: 5<sup>th</sup> position</p>

M. Siva Charan Reddy Pratyush Kumar D R Karthik Raj	Overall: 3 <sup>rd</sup> position
Vidyaa Krishnan	<b>Amruthavarshini:</b> All India Radio Podhigai Singing Idol Contest semifinalist, Vidyaa Krishnan
Gokul Krishna	<b>Athenaeum:</b> <b>YLGCMUN</b> - (Coimbatore - Competition - Jan 2020) <b>Christ DOC MUN</b> - (Bangalore - Competition - July 2019)
<b>Music Troupe, NIT Trichy</b>	<b>Dhruva IIM Trichy:</b> 1 <sup>st</sup> Place at the Annual Buisness Cultural Fest. <b>Ragam, NIT Calicut:</b> 3 <sup>rd</sup> place in Western Band Competition <b>Christ, Bangalore :</b> 3 <sup>rd</sup> in Eastern band competition <b>Dhruva IIM Trichy:</b> 1 <sup>st</sup> in solo vocals.
<b>The Thespians' Society</b>	<b>Saarang, IIT Madras:</b> 1. 2 <sup>nd</sup> place at stage play 2. 1 <sup>st</sup> place in Script writing Competition. <b>Unmaad, IIM Bangalore:</b> 1. stage play-1 <sup>st</sup> place 2. best actor 3. best script 4. improv - 1 <sup>st</sup> and 2 <sup>nd</sup> place <b>SSN college of engineering:</b> 1. 1 <sup>st</sup> place-improv 2. 1 <sup>st</sup> place-script writing competition <b>RV College of engineering</b> 1. Best play 2. best director 3. best actor
<b>Dance Troupe, NIT Trichy</b>	<b>Raagam, NIT Calicut</b> – 3 <sup>rd</sup> place <b>Pravega, IISC Bangalore</b> – 1 <sup>st</sup> place

#### 11.4 NATIONAL CADET CORPS (NCC)

A-Flight NCC organized 35 official parades in the year 2019-2020. The cadets assembled in the NSO ground thrice a week in uniforms. The third-year cadets trained the second-year cadets in the rifle drill and the first-year cadets were trained by the second-year cadets with the guidance of the third-year cadets in foot drill. The parade sessions were taken by the second year and third year cadets as they wholeheartedly taught the commands by explaining the specifications of each command and giving a demonstration to the junior cadets to ensure they had understood the command completely. The parades ended with the senior cadets giving motivational talks to the junior cadets. Cadets were provided refreshments after the parades so that their body can cope up with the physical stress. Apart from the rigorous parades, theory classes were also conducted for the cadets, where the cadets were taught about NCC and the IAF and about moral values which made them responsible citizens.

**The NCC cadets have participated / organized the following events in 2019 – 20:**

CATC-I Camp	02/07/2019 - 11/07/2019
Rally against Child Abuse	03/08/2019
Independence Day	15/08/2019
Swachhata Pakhwada – Cleanliness Drive	02/10/2019 - 03/10/2019
Orphanage Visit	13/10/2019
Breast Cancer Awareness Programme	01/11/2019
Thermogram Screening Session	02/11/2019 - 03/11/2019
Republic Day	26/01/2020
Movie Screening	07/14/2020
Wear It or Share It – Cloth Donation Drive	24/02/2020 - 26/02/2020
My Vision My Lakshya – Free Eye Checkup Camp	29/02/2020 - 01/03/2020

**CATC-I Camp 2019****Republic Day 2020****11.5 NATIONAL SERVICE SCHEME (NSS)**

National Service Scheme (NSS) is a youth programme initiative under the Ministry of Youth Affairs and Sports, Government of India. The motto of NSS is "Not me but you". NSS volunteers have helped in the Plantation project in college where over 6400 saplings have been planted. Apart from that, camps are periodically held in nearby villages where attempts are made to improve conditions for the villagers. Blood donation camps, computer coaching for school children, visiting Old Age Homes, cleaning up temples and various such activities fill the calendar of an NSS volunteer.

**EYE CHECKUP CAMP**

Joseph Eye Hospital and optical, in cooperation with NSS NIT Trichy and our NIT Tiruchirappalli Hospital team conducted an eye check-up camp, to facilitate diagnosis of eye problems and provide

**EYE CHECKUP CAMP on 21<sup>st</sup> September 2019**



patients with necessary remedies. Ophthalmologists from Joseph Eye Hospital conducted a comprehensive eye check-up and also delivered awareness talk on eye donation.

### INDIA BOOK OF RECORDS

NSS, NIT-TRICHY along with LEAP held a massive One-day Plastic awareness program to students of various schools. The event covered over 250 schools reaching out to around 28000+ students in and around Trichy District. NSS volunteers presented a speech to make awareness to the students on hazards of plastic usage and the possible damage done to the environment due to plastic waste. The event being the first massive awareness program in India made its way into the prestigious Indian Book of Records 2020 edition. The success meet for the event was held on February 18<sup>th</sup> 2020 to award the speakers and volunteers. It was presided over by Shri Sibi Adhithya Senthil Kumar IAS, Sub-Collector, Srirangam.



**Plastic awareness program on 15<sup>th</sup> October 2019**

### SPECIAL CAMP

As a part of the MoE's Unnat Bharat Abhiyan, Team NSS-NITT adopted five villages surrounding the campus. The objective was to build sustainable localities by conducting NSS activities. Following the adoption process, a seven-day camp was conducted. The volunteers conducted competitions like drawing, singing, and running races to motivate the children in the villages. Also, motivational speeches and awareness talks on competitive examinations such as NEET and IITJEE were delivered. These were



**Village Camp by NSS during October 15 – 21, 2019**

planned to motivate the students of the villages and introduce them about the different career possibilities. Ultrafiltration water purifiers were fixed in a school to provide drinking water for students.

### **SURVEY IN ADOPTED VILLAGES**

The National Service Scheme (NSS) of NIT Tiruchirappalli conducted a survey in the five villages adopted under the Unnat Bharat Abhiyan (UBA) scheme of Ministry of Education. The aim of the survey was to analyse the conditions of sanitation in those villages and to put forth solutions to improve the sanitation facilities and to build more sustainable villages.



**Village Survey by NSS under Unnat Bharat Abhiyan (UBA) scheme of MoE on November 1, 2019**

### **BLOOD DONATION CAMP**

As a part of continuous social service activities of NIT Tiruchirappalli, a blood donation camp was organized on 8<sup>th</sup> November, 2019 at the NIT Tiruchirappalli Hospital, to support the blood bank of Mahatma Gandhi Memorial Government Hospital, Tiruchirappalli with an aim of lending a helping hand to the poor especially the dengue positive patients for whom platelet transfusion may be warranted. The camp was jointly organized by Department of Management Studies (DoMS), National Service Scheme (NSS), NIT Tiruchirappalli hospital and HumaNITTy Club of the institute and marked a huge



**Blood donation camp on 8<sup>th</sup> November, 2019**

success with more than 90 donors comprising of students, faculty, non-teaching staff and residents of NIT Tiruchirappalli.

## CYCLOTHON

On account of Fit India Movement, around 300 volunteers went on for a cyclothon through the campus promoting the importance of fitness for a healthy life. The cyclothon also helped the students to now about the importance of cycling and health benefits of regular cycling which include increased cardiovascular fitness, muscle strength and flexibility.



**Fit India Movement : CYCLOTHON on January 18, 2019**

### 11.6 SPORTS ACHIEVEMENTS

S. No.	Sport	Captain Name	Event	Award
1	Athletics Men	Mr. Prashant Kumar & Mr. Reon	Inter-NIT Rourkela '20 MIT – Revels'20	Gold Silver
2	Athletics Women	Mr. Prashant Kumar & Mr. Reon	MIT – Revels'20	Bronze
3	Basketball Men	Mr. Prasanna Sriram	Inter-NIT Surathkal'20 Sastra – Colosseum'20 MIT – Revels'20	Silver Gold Silver
4	Basketball Women	Ms. Sunanda Seshan	Sastra – Colosseum'20	Bronze
5	Badminton Men	Mr. Pavan Kalyan Challa	Inter-NIT Surat'20	Bronze
6	Badminton Women	Ms. Pallavi Venumadhavan	Inter-NIT Surat'20	Gold
7	Boxing	Mr. Anjan Kumar	IIT BHU Spardha'19	Silver
8	Chess Women	Ms. Akshaya K S	Sastra – Colosseum'20	Bronze
9	Cricket	Mr. Mit Surati	Inter-NIT Surat'20 5 wins out of 7 Games played in Trichy league division 3 (TDCA)	Bronze
10	Football Men	Mr. Nusri	Sastra – Colosseum'20	Bronze
11	Football Women	Ms. J. M. R. S. Jayakodi & Ms. Mrudhula K.	MIT – Revels'20	Silver
12	Kabaddi	Mr. Naveen Allam	IIT BHU Spardha'19	Bronze
13	Kho-Kho Men	Mr. Karthick Sakthivel	IIT BHU Spardha'19	Gold
14	Kho-Kho Women	Ms. Ankita Gupta	IIT BHU Spardha'19	Gold



15	Lawn Tennis	Mr. Palani Raam	Sastra – Colosseum'20	Bronze
16	Powerlifting	Mr. Mervin Moses	IIT BHU Spardha'19 MIT – Revels'20	Silver Gold
17	Swimming Men	Mr. Darshan Kanagaraj	Inter-NIT Surathkal'20	Gold
18	Swimming Women	Ms. C.H. Esha	Inter-NIT Surathkal'20	Gold
19	Table Tennis Women	Ms. Chaarumathie	IIT BHU Spardha'19 Sastra Colosseum'20	Bronze Bronze
20	Taekwondo	Mr. Anjan Kumar	IIT BHU Spardha'19	Silver
21	Volleyball Men	Mr. Yadhu Balakrishna L	Inter-NIT – Warangal'20	Silver
22	Volleyball Women	Ms. Preksha	PITS Sportiva'19 IIT BHU Spardha'19 Inter-NIT Rourkela '20 Sastra Colosseum'20	Bronze Gold Gold Silver

## SPORTSFETE

Sportsfete'19, the annual interdepartmental sports festival of NIT-Trichy, indigenous to its students, was conducted successfully from 27th September to 30th September 2019.

For the first time in the history of Sportsfete, pre-fest games were organised for the general audience. Games in carrom, chess, badminton, and table tennis brought in a lot of excitement even before the start of this year's edition of Sportfete.

On 23rd September 2019, the flagship marathon was conducted in the presence of former Indian Athlete Padmini Thomas, Asian Games medallist and a recipient of Arjuna Award. She also took part in the marathon along with our Director, Dr. Mini Shaji Thomas, which was a massive boost to the event. The marathon saw the participation of over 2000 students across all departments.

The inauguration of the main fest was graced by our Director and the Dean (Student Welfare) on the evening of 27th September 2019. It was followed by the march past performed by students from all the departments. There were 18 sporting events conducted successfully in the spirit of fair sportsmanship for both boys and girls. The inclusion of hockey and kabaddi for girls in this edition of Sportsfete was a great success. There was a remarkable participation shown by girls. All the participants put their hearts and souls into each game for their department and carried the competitive spirit throughout the four days. Many matches went down to the wire that pulled in large crowds. The cheering from the audience brought in a lot of energy and emotions to the game.

Amid all the exciting sporting events, mouth-watering refreshments from the food stalls, an informal stage for the audience to showcase their talents, and the delightful ambience brought up a sense of liveliness to the atmosphere. The informal events, music and dance performances spiced up the evening a little more and made our experience even more worthwhile.

The valediction ceremony was held on the last day where the Production Engineering department walked away with the overall winners' trophy. As a whole, Sportsfete'19 was successful in setting high standards for further editions to come.



#### SPORTS COUNCIL MEMBERS (2019-20)

S. No.	Name	Designation
1	Mervin	Chairman
2	Kathick	Secretary
3	Prasanth	Associate Secretary
4	Nusri	Overall Coordinator
5	Darshan	Treasurer



**Overall Winners- Athletics**



**Overall Winners- Badminton**



**Volleyball Winners girls**



**Volleyball Winners boys**





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

**OFFICE OF THE PRINCIPAL DIRECTOR OF AUDIT (CENTRAL)**

Chennai

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

Registered

No. PDA(C)/CE/II/28-42/2020-21/ 128

Dated: 11.03.2021

To

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

NIT Director's Office	
Inward Dak No.	1495
DOR	15.03.2021
DOD	16.3.2021

Sir,

**Sub:** Separate Audit Report on the accounts of the National Institute of Technology, Tiruchirappalli for the year 2019-20 – 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 2019-20. Three copies of the Reports for the year 2018-19 and 2019-20 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-

Deputy Director/CE.

Encl: As above.


T. Registrar for h.a  
2. AA (Accounts)  
Main Accounts  
16/3/21



✓ Endt.No.PDA(C)/CE/II/28-42/2020-21 /129

Dated: 11.03.2021

Copy together with a copy of the Separate Audit Report of National Institute of Technology, Tiruchirappalli for the year 2019-20 and a Management Letter are forwarded to the Director, National Institute of Technology, Tiruchirappalli. It is requested to furnish 3 copies of the Hindi version of the Separate 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.

  
Deputy Director/CE.



**Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of National Institute of Technology, Tiruchirappalli for the year ended 31 March 2020.**

We have audited the attached Balance Sheet of National Institute of Technology, Tiruchirappalli as at 31st March 2020, 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 mis-statements. 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, 2007in so far as it appears from our examination of such books.



iv We further report that:

**A. Balance Sheet**

**Schedule -4 - Fixed Assets – ₹329.94 crore**

1. 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.

**B. General**

1. As per annual accounts Deposit with CPWD was ₹12.00 crore and addition under Capital Work-In-Progress (WIP) was ₹24.60 crore. However as per Form 65 issued by CPWD, advance with CPWD and addition under Capital Work-In-Progress was ₹13.14 crore and ₹18.07 crore respectively. The above balances need to be reconciled.
2. During the year 2019-20, NITT has earned an interest income of ₹1.14 crore from savings. As per GFR, interest on grant should be returned to the Grantor and hence a provision should be made. However, no provision has been made for interest to be remitted to the Ministry/Grantor.
3. Provision for retirement benefits was not made on actuarial basis in contravention of Accounting Standard 15 issued by ICAI and format of account prescribed by MHRD.

**C. Grants in aid**

Out of the grants-in-aid of ₹202.55 crore received during the year 2019-20 and ₹64.26 crore being unspent balance of the previous year, totalling ₹266.81 crore, the Institute utilised a sum of ₹239.20 crore leaving a balance of ₹27.61 crore as unutilized grant as on 31 March 2020.

**D. Management Letter**

Deficiencies which have not been included in the Audit Report have been brought to the notice of Director, NIT Trichy 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 2020; and

b) In so far as it relates to Income & Expenditure Account of the surplus for the year ended on that date.

**For and on behalf of the C&AG of India**



**Place: Chennai**  
**Date: 11.03.2021**

**Principal Director of Audit (Central), Chennai**



## **Annexure**

**1. Adequacy of Internal Audit System.**

Internal Audit has not been conducted by the Ministry for the year 2019-20.

**2. Adequacy of Internal Control System:**

Internal control System was construed as inadequate due to non preparation of Accounting Manual.

**3. System of Physical verification of fixed assets.**


Physical verification of fixed assets was done for the year 2019-20.

**4. System of Physical Verification of Inventory.**

Physical verification of inventory was done for the year 2019-20.

**5. Regularity in payment of statutory dues.**

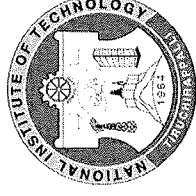
The Institute was regular in payment of statutory dues.

  
**Deputy Director/CE**



# NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015 TAMILNADU



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## ANNUAL ACCOUNTS

2019~2020



# NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015

## ANNUAL STATEMENT OF ACCOUNTS 2019~20

Contents	Page
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# National Institute of Technology, Tiruchirappalli-620 015

Balance Sheet as at 31.03.2020

	₹	₹	2018-19
<b>Sources of Funds</b>			
Capital Fund			
Designated/Earmarked/Endowment Funds			
Unsecured Loans - HEFA Loan			
Current Liabilities & Provisions			
<b>TOTAL</b>			
<b>Application of Funds</b>			
Fixed Assets			
Tangible Assets			
Intangible Assets			
Capital Works-in-progress			
Investments From Earmarked/Endowment Funds			
Long Term			
Short Term			
Investments - Others			
Current Assets			
Loans, Advances & Deposits			
<b>TOTAL</b>			

Significant Accounting Policies

Contingent Liabilities and Notes to Accounts

23

24

*[Signature]*  
Registrar  
NIT-Trichy

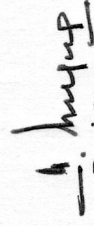
*[Signature]*  
Director  
NIT-Trichy

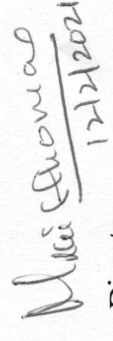
**National Institute of Technology, Tiruchirappalli-620 015**  
**Income and Expenditure Account for the Period/Year Ended 31.03.2020**

Particulars	Schedule No.	2019-20	2018-19
<b>INCOME</b>			
Academic Receipts	<u>9</u>	641569037	542931333
Grants/Subsidies	<u>10</u>	1732480650	1069533898
Income From Investments	<u>11</u>	52440288	18708895
Interest Earned	<u>12</u>	13345864	15998667
Other Income	<u>13</u>	172967622	127923231
Prior Period Income	<u>14</u>	14230438	2032133
<b>TOTAL-(A)</b>		<b>262703899</b>	<b>1777128157</b>
<b>EXPENDITURE</b>			
Staff Payments & Benefits (Establishment Expenses)	<u>15</u>	1134817955	1154463085
Academic Expenses	<u>16</u>	376962054	339696199
Administrative and General Expenses	<u>17</u>	137900322	136549382
Transportation Expenses	<u>18</u>	5704007	5097709
Repairs & Maintenance	<u>19</u>	90878352	74728688
Finance Costs	<u>20</u>	1646059	157227
Depreciation	<u>4</u>	242214413	340595557
Other Expenses	<u>21</u>	0	0
Prior Period Expenses	<u>22</u>	16545487	1435867
<b>TOTAL-(B)</b>		<b>2006668649</b>	<b>2052723714</b>
Balance Being Excess of Income over Expenditure (A-B)		620365250	-275595557
Transfer to / from Designated Fund (Building Fund)		132662644	0
Capital Expenditure from IRG - Capitalised		4268629	0
Others ( ) -Corpus Fund (78000000+111890000)		89189000	65000000
Balance Being Surplus/Deficit Carried to Capital Fund		394244977	-340595557

Significant Accounting Policies  
Contingent Liabilities and Notes to Accounts

23  
24

  
Registrar  
NIT-Trichy

  
Director  
NIT-Trichy




**SCHEDULES FORMING PART  
OF  
BALANCE SHEET**

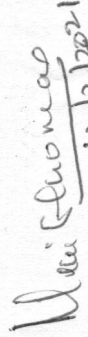


# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 1: CAPITAL FUND

		₹	₹
Particulars		2019-20	2018-19
	<b>Balance as at the Beginning of the Year</b>	5101084544	5400294035
Add:	Contribution towards Capital Fund	0	0
Add:	Grant from UGC, Govt of India and State Government to the extent utilized for capital expenditure	200141268	294080836
Add:	Assets Purchased out of IRG	4268629	
Add:	Assets Purchased out of Earmarked Funds	0	0
Add:	Assets Purchased out of Sponsored Projects, Where ownership vests in the institution	700553	3695845
Add:	Assets Donated/Gifts Received (Siemens COE)	0	79276946
Add:	Other Additions	0	0
Add:	Transfer from Surplus IRG 2018-19	459462685	
Add:	Excess of Income over expenditure transferred from the income & Expenditure Account	394244977	0
<b>Total</b>		6159902656	5777347662
Deduct:	Deficit transferred from the Income & Expenditure Account	0	-340595557
Deduct:	Depreciation on Assets Donated/Gifts Received (Siemens COE)	-174727428	-335667561
<b>Balance at the Year End</b>		5985175228	5101084544

  
 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	Building Fund	Staff Development Fund	Maintenance Fund	Depreciation Fund	Student Welfare Fund	ECC Fund	AiIC Fund	Endowment	
<b>A.</b>										
a) Opening Balance	1280714910	0	22806360	1012672	1012672	15190060	15675943	0	14783018	1351195635
b) Additions during the year	106512809	132662644	282582	0	0	0	0	5892802	0	245350837
c) Income from investments made of the funds	40859373	0	727555	32306	32306	484585	497341	353951	904352	43891769
d) Accrued Interest on Investments/Advances	48842233	0	818791	36357	36357	545352	562796	0	0	50841886
e) Interest on Savings Bank Account	177299	0	3157	140	140	2103	2170	0	0	185009
f) Other Additions	0	0	0	0	0	0	0	0	0	0
<b>Total - (A)</b>	<b>1477106624</b>	<b>132662644</b>	<b>24638445</b>	<b>1081475</b>	<b>1081475</b>	<b>16222100</b>	<b>16738250</b>	<b>6246753</b>	<b>15687370</b>	<b>1691465136</b>
<b>B.</b>										
Utilisation/Expenditure towards objectives of Funds										
i) Capital Expenditure	0	0	0	0	0	0	0	0	0	0
ii) Revenue Expenditure	0	0	0	0	0	0	0	126058	153317	279375
<b>Total - (B)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>126058</b>	<b>153317</b>	<b>279375</b>
<b>Total</b>	<b>1477106624</b>	<b>132662644</b>	<b>24638445</b>	<b>1081475</b>	<b>1081475</b>	<b>16222100</b>	<b>16738250</b>	<b>6120695</b>	<b>15534053</b>	<b>1691185761</b>
<b>Closing balance at the year end (A-B)</b>	<b>1477106624</b>	<b>132662644</b>	<b>24638445</b>	<b>1081475</b>	<b>1081475</b>	<b>16222100</b>	<b>16738250</b>	<b>6120695</b>	<b>15534053</b>	<b>1351195635</b>
<b>Represented by</b>										
Cash and Bank Balances	3696264	0	0	0	0	0	288236	920695	2142756	7047951
Investments	1408652128	0	23819654	1045118	1045118	15676748	15887218	5200000	13391297	1484717281
Interest accrued but not due	45980084	0	818791	36357	36357	545352	562796	0	0	47979737
TDS Receivable	2862149	0	0	0	0	0	0	0	0	2862149
Receivable from IRG Account	11189000	0	0	0	0	0	0	0	0	11189000
Receivable from R&C Account	4726999	0	0	0	0	0	0	0	0	4726999
CPWD Deposits/WIF	0	106862644	0	0	0	0	0	0	0	106862644
HEFA Loan A/c	0	25800000	0	0	0	0	0	0	0	25800000
<b>Total</b>	<b>1477106624</b>	<b>132662644</b>	<b>24638445</b>	<b>1081475</b>	<b>1081475</b>	<b>16222100</b>	<b>16738250</b>	<b>6120695</b>	<b>15534053</b>	<b>1691185761</b>
<b>Total</b>	<b>1477106624</b>	<b>132662644</b>	<b>24638445</b>	<b>1081475</b>	<b>1081475</b>	<b>16222100</b>	<b>16738250</b>	<b>6120695</b>	<b>15534053</b>	<b>1351195635</b>

\* 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(HEFA) : UNSECURED LOANS - HEFA LOAN

Particulars	2019-20	2018-19
<b>A. HEFA Loan</b>		
a) Opening Balance	0	0
b) Additions during the year	79000000	0
<b>Total (A)</b>	<b>79000000</b>	<b>0</b>
<b>B. Repayment during the Year</b>	<b>25800000</b>	<b>0</b>
<b>Closing balance at the year end (A-B)</b>	<b>53200000</b>	<b>0</b>

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21/9/20  
Registrar (i/c)  
NTT-Trichy

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21/9/20  
Director  
NTT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE : 2 (a) ENDOWMENT FUNDS

Sl.No.	Name of the Endowment	Opening Balance As on 1.4.2019		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	33	500	33	33	500	0	500
2	Kharche Associated Fund	10000	0	0	656	10000	656	656	10000	0	10000
3	Dr. M. Shanmugam Fund	400000	0	0	26220	400000	26220	26220	400000	0	400000
4	Chatterjee Memorial Fund	10000	0	0	656	10000	656	656	10000	0	10000
5	Rajalaxmi Trust Fund	3000	0	0	197	3000	197	197	3000	0	3000
6	Balakumaran Memorial Fund	10000	0	0	656	10000	656	656	10000	0	10000
7	Reunion Fund	44065	19624	0	2888	44065	22512	22512	44065	22512	66577
8	Janardhan Iyengar & Seethamma Fund	20000	0	0	1310	20000	1310	1310	20000	0	20000
9	Prof. S. Muthukaruppan Fund	10000	0	0	656	10000	656	656	10000	0	10000
10	Avinash Memorial Endowment Fund	200000	0	0	13110	200000	13110	13110	200000	0	200000
11	Prof. S.H.Ibrahim Endowment Fund	25000	0	0	1639	25000	1639	1639	25000	0	25000
12	Prof.M.Sitaraman Endowment Fund	25000	0	0	1639	25000	1639	1639	25000	0	25000
13	Prof.Thirumalai Arasan Mem Fund	25000	0	0	1639	25000	1639	1639	25000	0	25000
14	Nela Balasubramanian Memorial Award (Dr.B.Sekar)	125000	0	0	8194	125000	8194	8194	125000	0	125000
15	Karthik Memorial Fund(Dr.G.Swaminathan)	50000	0	0	3278	50000	3278	3278	50000	0	50000
16	Vijayalakshmi Kannan Memorial Fund	15000	0	0	983	15000	983	983	15000	0	15000
17	Dr.Duraisamy Memorial Fund (Dr.TSRajan)	50000	0	0	3278	50000	3278	3278	50000	0	50000
18	RECAL NITT Fund	68823	23288	0	4512	68823	27800	27800	68823	27800	96623
19	Ruby & Topaz 84 Batch Endowment Fund	952909	231068	0	62466	952909	293534	293534	952909	293534	1246443
20	Subash Chandrabose Memorial Award	75000	0	0	5136	75000	5136	5136	75000	0	75000
21	Dr.P.S.Manisundaram Endowment Fund	75000	0	0	4917	75000	4917	4917	75000	0	75000
22	Oisik Adak Memorial Award(Pragyan)	290001	0	0	19010	290001	19010	19010	290001	0	290001
23	Dr.J.Raja Memorial Fund	50000	0	0	3278	50000	3278	3278	50000	0	50000
24	Prof.Joseph Martin Fernando Trophy	50000	0	0	3278	50000	3278	3278	50000	0	50000
25	S.J. Chainulu Medal of Excellence	500000	0	0	32775	500000	32775	32775	500000	0	500000
26	Prof. K.S. Pandey	117000	0	0	7669	117000	7669	7669	117000	0	117000
27	M/s. Chennai Metco P. Ltd., Chennai	200000	0	0	13110	200000	13110	13110	200000	0	200000
28	80 BATCH CHAIR FUND	1000000	1107740	0	681169	1000000	1788909	0	1000000	1788909	11788909
	<b>TOTAL</b>	<b>13401298</b>	<b>1381720</b>	<b>0</b>	<b>904352</b>	<b>13401298</b>	<b>2286072</b>	<b>153317</b>	<b>13401298</b>	<b>2192755</b>	<b>15534053</b>

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Registrar  
NIT-Trichy  
21/9/2020

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Director  
NIT-Trichy  
21/9/2020



## National Institute of Technology, Tiruchirappalli-620 015

Particulars	2019-20	2018-19
<b>A. Current Liabilities</b>		
1. Deposits from Staff	0	0
2. Deposits from Students	78091987	64744528
3. Sundry Creditors		
a) For Goods & Services	21891253	18759630
b) Others	74491857	107701753
4. Deposit-Others(including EMD, Security Deposit)	49703375	43410380
5. Statutory Liabilities (GPF, TDS, WC Tax, CPF, GIS, NPS):		
a) Overdue	0	0
b) Others	585517	1787854
6. Other Current Liabilities		
a) Salaries	105694894	79560176
b) Receipts against Sponsored Projects	434340772	963882133
c) Receipts against Sponsored Fellowships & Scholarships	23082827	21642112
d) Unutilised Grants	276069234	642634737
e) Grants in Advance	0	0
f) Other Funds (a) TEQIP Funds	80925	152556
(b) CSAB 2019 Funds	127940215	0
g) Other Liabilities	24170887	83711087
<b>Total (A)</b>	<b>1216143743</b>	<b>2027986946</b>
<b>B. Provisions</b>		
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
<b>Total (B)</b>	<b>0</b>	<b>0</b>
<b>Total (A+B)</b>	<b>1216143743</b>	<b>2027986946</b>

21/9/20  
 Registrar (i/c)  
 NIT-Trichy

Director  
NIT-Trichy

**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 3 (a): SPONSORED PROJECTS**

Sl.No.	Name of the Project	Opening Balance as on 01.04.2019		Receipts/ Recoveries during the year	Total	Expenditure during the year	Closing Balance as on 31.03.2020	
		Credit	Debit				Credit	Debit
1	2	3	4	5	6	7	8	9
1	DST, New Delhi	61451631	0	37809926	99261557	43110017	56151540	0
2	CSIR, New Delhi	2507025	0	2485996	4993021	1187914	3805107	0
3	UGC/AICTE, New Delhi	1468774	0	1829577	3298351	786029	2512322	0
4	DRDO & Defence Research Laboratories	16193979	0	17173919	33367898	14610301	18757597	0
5	MHRD & MHRD (SCSP/TSP/PWD)	5152211	0	117502	5269713	368433	4901280	0
6	MHRD-GIAN	2327726	0	3046258	5373984	4924631	449353	0
7	SERB, New Delhi	37271720	0	27968592	65240312	29237994	36002318	0
8	SPARC	0	0	28900304	28900304	8843698	20056606	0
9	TAT/MODROB Projects	5765761	0	0	5765761	0	5765761	0
10	a) SIEMENS COE	693299444	0	0	693299444	563304536	129994908	0
	b) SIEMENS COE -Service	26514103	0	0	26514103	13257052	13257051	0
11	Miscellaneous Projects	45987707	0	19396173	65383880	19733408	45650472	0
12	HACKATHON	247190	0	1539847	1787037	1724263	62774	0
13	L & T - CTM Funds	16580327	0	10068061	26648388	3089592	23558796	0
14	Conference Consultancy Fund	0	0	8354718	8354718	4335063	4019655	0
15	Research Management Fund	6811402	0	2457222	9268624	1056228	8212396	0
16	ECC Fund	29222757	0	64898212	94120969	46018509	48102460	0
17	ICSR Fund	1405076	0	0	1405076	0	1405076	0
18	Project & Consultancy Fund	11675300	0	0	11675300	0	11675300	0
	<b>TOTAL</b>	<b>963882133</b>	<b>0</b>	<b>226046307</b>	<b>1189928440</b>	<b>755587668</b>	<b>434340772</b>	<b>0</b>
19	TEQIP Project	152556	0	29531704	29684260	29603335	80925	0
	<b>TOTAL</b>	<b>964034689</b>	<b>0</b>	<b>255578011</b>	<b>1219612700</b>	<b>785191003</b>	<b>434421697</b>	<b>0</b>

*Chindrella*  
21/9/20  
Registrar (i/c)  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 3 (b): SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Sl.No.	Name of Sponsor	Opening Balance as on 01.04.19		Transactions During the year		Closing Balance as On 31.3.2020	
		CR	DR	CR	DR	CR	DR
1	2	3	4	5	6	7	8
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	17036793		28543381	26608042	18972132	0
	b) State scholarships	4137209	0	1040237	1534861	3642585	0
	c) QIP Fellowships	468110	0	0	0	468110	0
	<b>TOTAL</b>	<b>21642112</b>	<b>0</b>	<b>29583618</b>	<b>28142903</b>	<b>23082827</b>	<b>0</b>

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**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 3 (c): UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS**

	2019-20	2018-19
<b>A. Capital Grants : Government of India, MHRD</b>		
Balance B/F	56684358	159565194
Add : Receipts during the year	204977000	191200000
<b>Total (a)</b>	<b>261661358</b>	<b>350765194</b>
Less Refunds		
Less : Utilized for Revenue Expenditure		
Less : Utilized for Capital Expenditure	200141268	294080836
<b>Total (b)</b>	<b>200141268</b>	<b>294080836</b>
Unutilized carried forward (a-b)	61520090	56684358
<b>B. UGC Grants : Plan</b>		
Balance B/F	0	0
Add : Receipts during the year	0	0
<b>Total (c)</b>	<b>0</b>	<b>0</b>
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
<b>Total (d)</b>	<b>0</b>	<b>0</b>
Unutilized carried forward (c-d)	0	0
<b>C. Govt. of India, MHRD Grants: Revenue</b>		
Balance B/F	585950379	118084277
Add : Receipts during the year (Grant)	1820542100	1537400000
<b>Total (e)</b>	<b>2406492479</b>	<b>1655484277</b>
Less : Surplus IRG 2018-19 transfer to Capital Fund	459462685	0
Less : Utilized for Revenue Expenditure	1732480650	1069533898
Less : Utilized for Capital Expenditure	0	0
<b>Total (f)</b>	<b>2191943335</b>	<b>1069533898</b>
Unutilized carried forward (e-f)	214549144	585950379
<b>D. Plan Grants : Government of India</b>		
Balance B/F	0	0
Add : Receipts during the year	0	0
<b>Total (g)</b>	<b>0</b>	<b>0</b>
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
<b>Total (h)</b>	<b>0</b>	<b>0</b>
Unutilized carried forward (g-h)	0	0
<b>* GRAND TOTAL (A+B+C+D)</b>	<b>276069234</b>	<b>642634737</b>

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# National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 3 (c): UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS - OBJECT HEADWISE & IRG

	₹	2019-20
<b>A. Capital Grants : Government of India, MHRD (OH-35)</b>		
Balance B/F (28204566+28479792 CPWD Deposits)	56684358	
Add : Receipts during the year	204977000	
<b>Total (a)</b>	<b>261661358</b>	
Less Refunds		
Less : Utilized for Revenue Expenditure		
Less : Utilized for Capital Expenditure		
<b>Total (b)</b>	<b>200141268</b>	
Unutilized carried forward (a-b)	61520090	
<b>B. Govt. of India, MHRD Grants : Revenue (OH-36)</b>		
Balance B/F	126487694	
Add : Receipts during the year (Grant)	909182000	
<b>Total (c)</b>	<b>1035669694</b>	
Less : Utilized for Revenue Expenditure	821120550	
Less : Utilized for Capital Expenditure	0	
<b>Total (d)</b>	<b>821120550</b>	
Unutilized carried forward (c-d)	214549144	
<b>C. Govt. of India, MHRD Grants: Revenue (OH - 31)</b>		
Balance B/F	459462685	
Add : Receipts during the year (Grant)	911360100	
<b>Total (e)</b>	<b>1370822785</b>	
Less : Surplus IRG 2018-19 transfer to Capital Fund	459462685	
Less : Utilized for Revenue Expenditure	943333686	
Less : Utilized for Capital Expenditure	0	
<b>Total (f)</b>	<b>1402796371</b>	
Unutilized carried forward (e-f)	-31973586	
Deficit balance adjusted in IRG 2019-20	31973586	
Unutilized carried forward	0	
<b>* GRAND TOTAL (A+B+C)</b>	<b>276069234</b>	
<b>D. IRG Account</b>		
Balance B/F	0	
Add : Receipts during the year	805364249	
<b>Total (g)</b>	<b>805364249</b>	
Less : Refunds		
Less : Deficit balance under OH-31 adjusted in IRG 2019-20	31973586	
Less : Utilized for Capital Expenditure	136931273	
<b>Total (h)</b>	<b>168904859</b>	
Surplus IRG 2019-20 transfer to Capital Fund (g-h)	<b>636459390</b>	

  
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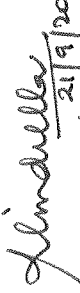
## SCHEDULE 4: FIXED ASSETS


Sl.No.	Assets Heads	Gross Block			Depreciation for the year 2019-20			Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31.03.2020	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation
1	Land	4709795	0	0	4709795	0	0	0	0
2	Site Development	0	0	0	0	0	0	0	0
3	Buildings	2503552859	14217590	0	2517770449	350781714	50355410	0	401137124
4	Roads & Bridges	42244826	772861	0	43017687	3678012	860353	0	4383365
5	Tubewells & Water Supply	45304846	952200	0	46257046	4073372	925140	0	4998512
6	Sewerage & Drainage	58924421	2705878	0	61630299	4479128	1232607	0	5711735
7	Electrical Installation and Equipment	93731176	6150400	0	99881576	22730189	4994079	0	27724268
8	Plant & Machinery	28361545	5175926	0	33537471	6500102	1676873	0	8176975
9	Scientific & Laboratory Equipments	1749176020	53173903	0	1802349923	948202147	110008255	0	1058210402
10	Office Equipments	71618377	320864	0	71939241	48008397	3772903	0	51781300
11	Audio Visual Equipments	12136295	1299569	0	13435864	3411902	1007691	0	4419593
12	Computers & Peripherals	316223030	28351524	0	344574554	264230919	24003068	0	288233987
13	Furniture, Fixtures & Fittings	158676526	19389120	0	178065646	76076019	12452778	0	88528797
14	Vehicles	14779668	0	0	14779668	7610786	1067102	0	8677888
15	Lib.Books & Scientific Journals	55712668	3807388	0	59520056	35429898	4450733	0	39880631
16	Small Value Assets	23387	0	0	23387	23387	0	0	23387
<b>Total (A)</b>		<b>5155175439</b>	<b>136317223</b>	<b>0</b>	<b>5291492662</b>	<b>1775235972</b>	<b>216806992</b>	<b>0</b>	<b>1992042964</b>
17	Capital Work in Progress (B)	<b>1355577398</b>	<b>246045968</b>	<b>1712994</b>	<b>1599910372</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1599910372</b>
<b>Sl.No.</b>	<b>Intangible Assets</b>	<b>Op Balance</b>	<b>Additions</b>	<b>Deductions</b>	<b>Cl Balance</b>	<b>Amorti. Op Balance</b>	<b>Amortization for the year</b>	<b>Deductions/ Adjustment</b>	<b>Total Amortization</b>
18	Computer Software(Incl. SIEMENS)*	968700882	9343182	0	978044064	775813139	192353775	0	968166914
19	E-Journals	48689503	0	0	48689503	47049093	1640410	0	48689503
20	Patents	2797659	979715	0	3777374	403569	419708	0	823277
21	SIEMENS' IP	51488606	0	0	51488606	5720956	5720956	0	11441912
<b>Total (C)</b>		<b>1071676650</b>	<b>10322897</b>	<b>0</b>	<b>1081999547</b>	<b>828986757</b>	<b>200134849</b>	<b>0</b>	<b>1029121606</b>
<b>Grand Total (A+B+C)</b>		<b>7582429487</b>	<b>392686088</b>	<b>1712994</b>	<b>7973402581</b>	<b>2604222729</b>	<b>416941841</b>	<b>0</b>	<b>3021164570</b>
<b>31.03.2020</b>		<b>4709795</b>	<b>0</b>	<b>0</b>	<b>4709795</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>31.03.2019</b>		<b>4709795</b>	<b>0</b>	<b>0</b>	<b>4709795</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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 Equipments Depreciation includes SIEMENS Assets Depreciation for the Year of ₹17,47,27,428/-.

  
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**SCHEDULE 4(a): FIXED ASSETS - Capital Grant & IRG**  
**National Institute of Technology, Tiruchirappalli-620 015**

Sl.No.	Assets Heads	Gross Block			Depreciation for the year 2019-20				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31.03.2020	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	
1	Land	4709795	0	0	4709795	0	0	0	0	4709795
2	Site Development	0	0	0	0	0	0	0	0	0
3	Buildings	250352859	14217590	0	2517770449	350781714	50355410	0	401137124	2116633325
4	Roads & Bridges	42244826	772861	0	43017687	3678012	860353	0	4538365	38479322
5	Tubewells & Water Supply	45304846	952200	0	46257046	4073372	925140	0	4998512	41258534
6	Sewerage & Drainage	58924421	2705878	0	61630299	4479128	1232607	0	5711735	55918564
7	Electrical Installation and Equipment	93659146	6150400	0	99809546	22722985	4990477	0	27713462	72096084
8	Plant & Machinery	28361545	5007776	0	33369321	6500102	1668465	0	8168567	25200754
9	Scientific & Laboratory Equipments	1651571866	52806762	0	1704378628	938853495	102164957	0	1041018452	663360176
10	Office Equipments	71618377	320864	0	71939241	48008397	3772903	0	51781300	20157941
11	Audio Visual Equipments	12040736	1299569	0	13340305	3397568	1000524	0	4398092	8942213
12	Computers & Peripherals	315897930	28234633	0	344132563	264095859	23914670	0	288010529	56122034
13	Furniture, Fixtures & Fittings	158488526	19389120	0	177877646	76033719	12438678	0	88472397	89405249
14	Vehicles	14734008	0	0	14734008	7601654	1062536	0	8664190	6069818
15	Lib.Books & Scientific Journals	55712668	3807388	0	59520056	35429898	4450733	0	39880631	19639425
16	Small Value Assets	23387	0	0	23387	23387	0	0	23387	0
<b>Total (A)</b>		<b>5056844936</b>	<b>135665041</b>	<b>0</b>	<b>5192509977</b>	<b>1765679290</b>	<b>208837453</b>	<b>0</b>	<b>1974516743</b>	<b>3217993234</b>
17	Capital Work in Progress (B)	<b>1355577398</b>	<b>246045968</b>	<b>1712994</b>	<b>1599910372</b>	-	-	-	-	<b>1599910372</b>
<b>Total (C)</b>		<b>6412422334</b>	<b>1597105909</b>	<b>1712994</b>	<b>6793420349</b>	<b>1765679290</b>	<b>208837453</b>	<b>0</b>	<b>1974516743</b>	<b>4817903606</b>
Sl.No.	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/ Adjustment	Total Amortization	
18	Computer Software	129531980	9294811	0	138826791	104478017	24471624	0	128949641	9877150
19	E-Journals	48689503	0	0	48689503	47049093	1640410	0	48689503	0
20	Patents	2797659	979715	0	3777374	403569	419708	0	823277	2954097
21	SIEMENS' IP	51488606	0	0	51488606	5720956	5720956	0	11441912	40046694
<b>Total (C)</b>		<b>232507748</b>	<b>10274526</b>	<b>0</b>	<b>242782274</b>	<b>157651635</b>	<b>32252698</b>	<b>0</b>	<b>189904333</b>	<b>52877941</b>
<b>Grand Total (A+B+C)</b>		<b>6644930082</b>	<b>391985535</b>	<b>1712994</b>	<b>7035202623</b>	<b>1923330925</b>	<b>241090151</b>	<b>0</b>	<b>2164421076</b>	<b>4870781547</b>
<b>Grand Total (A+B+C)</b>		<b>6644930082</b>	<b>391985535</b>	<b>1712994</b>	<b>7035202623</b>	<b>1923330925</b>	<b>241090151</b>	<b>0</b>	<b>2164421076</b>	<b>4870781547</b>

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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## National Institute of Technology, Tiruchirappalli-620 015

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2019-20				Net Block	
		Op Balance	Additions	Deductions	Cl Balance	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31.03.2020	31.03.2019
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	7204	3602	0	10806	61224	64826
8	Plant & Machinery	0	168150	0	168150	0	8408	0	8408	159742	0
9	Scientific & Laboratory Equipments	97604154	367141	0	97971295	9348652	7843298	0	17191950	80779345	88255502
10	Office Equipments	0	0	0	0	0	0	0	0	0	0
11	Audio Visual Equipments	95559	0	0	95559	14334	7167	0	21501	74058	81225
12	Computers & Peripherals	325100	116891	0	441991	135060	88398	0	223458	218533	190040
13	Furniture, Fixtures & Fittings	188000	0	0	188000	42300	14100	0	56400	131600	145700
14	Vehicles	45660	0	0	45660	9132	4566	0	13698	31962	36528
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
	<b>Total ( A )</b>	<b>98330503</b>	<b>652182</b>	<b>0</b>	<b>98982685</b>	<b>9556682</b>	<b>7969539</b>	<b>0</b>	<b>17526221</b>	<b>81456464</b>	<b>88773821</b>
17	Capital Work in Progress ( B )	-	-	-	-	-	-	-	-	-	-
<b>Sl.No.</b>	<b>Intangible Assets</b>	<b>Op Balance</b>	<b>Additions</b>	<b>Deductions</b>	<b>Cl Balance</b>	<b>Amort. Op Balance</b>	<b>Amorti. for the year</b>	<b>Deductions/ Adjustment</b>	<b>Total Amortization</b>	<b>31.03.2020</b>	<b>31.03.2019</b>
18	Computer Software (SIEMENS)	839168902	48371	0	839217273	671335122	167882151	0	839217273	0	167833780
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
	<b>Total ( C )</b>	<b>839168902</b>	<b>48371</b>	<b>0</b>	<b>839217273</b>	<b>671335122</b>	<b>167882151</b>	<b>0</b>	<b>839217273</b>	<b>0</b>	<b>167833780</b>
	<b>Grand Total ( A+B+C)</b>	<b>937499405</b>	<b>700553</b>	<b>0</b>	<b>938199958</b>	<b>680891804</b>	<b>175851690</b>	<b>0</b>	<b>856743494</b>	<b>81456464</b>	<b>256607601</b>


Director  
NIT-Trichy




# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

Sl.No.	Particulars	2019-20	2018-19
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	1484717281	1280822364
7	Others (to be specified)	0	0
	<b>Total</b>	<b>✓ 1484717281</b>	<b>1280822364</b>

  
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# National Institute of Technology, Tiruchirappalli-620 015

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

Sl.No.	Particulars	2019-20	2018-19
1	Corpus Fund Investments	1408652128	1214740544
2	Staff Development Fund Investments	23819654	21680812
3	Maintenance Fund Investments	1045118	962340
4	Depreciation Fund Investments	1045118	962340
5	Student Welfare Fund Investments	15676748	14435086
6	ECC Fund Investments	15887218	14620764
7	AIIC Fund Investments	5200000	0
8	Endowment Fund Investments	13391297	13420478
<b>Total</b>		<b>1484717281</b>	<b>1280822364</b>

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Registrar (i/c)

NIT-Trichy

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21/9/2020


Director


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## SCHEDULE 6 : INVESTMENTS - OTHERS

Sl.No.	Particulars	2019-20	2018-19
1	In Central Government Securities	0	0
2	In State Government Securities	0	0
3	Other approved Securities	0	0
4	Shares	0	0
5	Debentures and Bonds	0	0
6	Others (to be specified)	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>

  
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**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 7 : CURRENT ASSETS**

	₹	₹	₹
Particulars	2019-20	2018-19	
<b>1. Stock</b>			
a) Stores and Spares	0	0	0
b) Loose Tools	0	0	0
c) Publications	0	0	0
d) Laboratory chemicals, Consumables and glass ware	0	0	0
e) Building Material	0	0	0
f) Electrical Material	0	0	0
g) Stationery	0	0	0
h) Water supply Materials	0	0	0
<b>2. Sundry Debtors</b>			
a) Debts Outstanding for a period of exceeding six months	0	0	0
b) Other ( )	17790118		16858475
<b>3. Cash and bank Balances (inc. Stamp on Hand)</b>			
Stamp on Hand :	280623	279059	
a) With Scheduled Banks:-			
- In Current Accounts	18914569	69619188	
- In Term Deposit Accounts	1577144683	551480628	
- In Savings Accounts	495540739	618351959	
b) With Non-Scheduled Banks:-			
- In Term Deposit Accounts	0	0	0
- In Savings Accounts	0	0	0
<b>4. Post Office-Savings Accounts</b>			
<b>Total</b>	<b>2109670732</b>	<b>1256589309</b>	

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## National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 7 : ANNEXURE A

Head of Account	Code	Name of the Bank	A/C - No.	Amount
<b>I. Savings Bank Account</b>				
1. PLAN (Non Recurring) Account	A	SBI,NITT	10023882957	50904824
2. NON PLAN (Recurring) Account	B	SBI,NITT	10023882946	204349570
3. CANARA Bank Account	B	Theppakulam, Trichy	36127	224123
4. TEQIF:Account	C	SBI,NITT	10023883008	80925
5. ECC:Account	D	SBI,NITT	10023883064	41377592
6. CORPUS: other funds Account	F	SBI,NITT	10023883097	3696264
7. Research & Development Funds	G	SBI,NITT	10023883042	184215243
8. SCHOLARSHIPS Account	H	SBI,NITT	10023883019	3642585
9. Research Management Fund		SBI,NITT	33076404999	7030646
10. HP Account (Balance & Demand Remittance A/c)		SBI,NITT	30165680347	18967
<b>II. Current Account</b>				
1. Service Tax Account		SBI,NITT	34837295014	568846
2. Student Fee Account		SBI,NITT	35821815354	10000
3. Foreign Exchange Transactions Account	HEK	SBI,NITT	10891414445	2717996
4. EIGHTY BATCH CHAIR FUND Account		SBI,NITT	36736417068	1898909
5. PG Fees Account		SBI,NITT	38127411825	100926
6. Other Fees Account		SBI,NITT	38127412035	13168
7. CANARA BANK ESCROW (Principal) Account		Canara Bank, Thuvakudi	3314201000215	519110
8. CANARA BANK ESCROW (Interest) Account		Canara Bank, Thuvakudi	3314201000216	0
9. CSAB 2019 - 311 Account		SBI,NITT	38557109311	740690
10. CSAB 2019 - 220 Account		SBI,NITT	38557109220	2299587
11. Conference Consultancy Account		SBI,NITT	38322028974	4019655
12. SERB Account		SBI,NITT	38861623683	5104987
13. AIIC Account		SBI,NITT	37836124626	920695
<b>III. Term Deposits with Schedule Banks</b>				
1. Plan/IRG Deposits				963483373
2. CANARA BANK ESCROW (Principal) Account				25800000
3. Non-Plan Deposits				240755550
4. PG Fees Account Deposits (MOD)				165514000
5. R & C Funds				51991760
6. ECC Funds				10000000
7. CSAB 2019 Deposits				119600000
<b>Total</b>				<b>20915999991</b>

21/9/2020

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21/9/20  
Registrar (1/c)  
NIT-Trichy

Director  
NIT-Trichy

**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 8 : LOANS, ADVANCES & DEPOSITS**

	₹	₹
Particulars	2019-20	2018-19
<b>1. Advance to Employees (Non-Interest Bearing)</b>		
a) Salary	0	0
b) Festival	7200	443417
c) LTC	0	0
d) Medical Advance	472110	487307
e) Other (to be specified)	0	0
<b>2. Long Term Advance to Employees (Interest Bearing)</b>		
a) Vehicles Loan	2060451	2587441
b) Home Loan	0	0
c) Other ( to be specified) -Computer Loan	2199366	2629549
<b>3. Advances and Other amount recoverable in Cash or in kind or for Value to be received:</b>		
a) On Capital Account- Deposits with CPWD	119979283	119979283
b) To Suppliers	947090	506590
c) Other (to be specified) -Contingency Non-Plan : 12356566 R&C : 3495	12360061	7663286
<b>4. Prepaid Expenses</b>		
a) Insurance	2827490	2066346
b) Other Expenses	21244900	25356337
<b>5. Deposits</b>		
a) Telephone	53079	53079
b) Lease Rent	0	0
c) Electricity	13265870	12993790
d) AICTE, if applicable	0	0
f) Others (to be specified)	0	0
<b>6. Income Accrued:</b>		
a) On Investments from Earmarked/Endowment Funds	47979737	60265624
b) On Investment Others	22622592	5295516
c) On Loans and Advances	0	0
d) Others (includes income due unrealized) CSAB 2019 Investment	5299938	0
<b>7. Other-Current Assets receivable from UGC/Sponsored Projects</b>		
a) Debit Balances in Sponsored Projects	143251959	719813547
b) Debit Balances in Fellowship & Scholarship(QIF)	1566761	1566761
c) Grants Receivables	0	0
d) Other Receivables	78036	78036
<b>8. Claims Receivables</b>		
<b>Total</b>	<b>399078708</b>	<b>964648694</b>

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21/9/20  
Registrar (1/12)  
NIT-Trichy

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21/9/20  
Director  
NIT-Trichy

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

**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 9 : ACADEMIC RECEIPTS**

	Particulars	2019-20	2018-19
<b>Fees from Students</b>			
<b>Academic</b>			
1. Tuition Fee (449101277)		527101277	491986853
Share of Corpus Fund(780000000)			
2. Admission Fee		4616000	1053400
3. Enrolment Fee / Convocation Fee		11408100	1769800
4. Library Admission Fee		17975700	12184500
5. Laboratory Fee / Computer Fee		15899000	16119200
6. Art & Craft Fee / Sports Fee		8462900	1581920
7. Registration Fee		2608200	2728800
8. Syllabus Fee/ MBA Fee		6750000	5055000
<b>Total (A)</b>		<b>594821177</b>	<b>532479473</b>
<b>Examinations</b>			
1. Admission Test Fee		0	0
2. Annual Examination Fee		13569330	4708490
3. Mark Sheet, Certificate Fee		1233143	1052177
4. Entrance Examination Fee		0	0
<b>Total (B)</b>		<b>14802473</b>	<b>5760667</b>
<b>Other Fees</b>			
1. Identity Card Fee		0	100
2. Fine / Miscellaneous Fee		6683696	2106432
3. Medical Fee		576450	536533
4. Transportation Fee/Bus Fare Collection		964494	1080328
5. Hostel Fee		0	0
<b>Total (C)</b>		<b>8224640</b>	<b>3723393</b>
<b>Sale of Publications</b>			
1. Sale of Admission forms		1295000	740500
2. Sale of Syllabus and Question Paper, etc.		0	0
3. Sale of Prospectus including Admission Forms		0	0
<b>Total (D)</b>		<b>1295000</b>	<b>740500</b>
<b>Other Academic Receipts</b>			
1. Registration fee for Workshops, Programmes		0	227300
2. Registration fee (Academic Staff College)		0	0
3. Campus Development Fee		22425747	0
<b>Total (E)</b>		<b>22425747</b>	<b>227300</b>
<b>Grand Total (A+B+C+D+E)</b>		<b>641569037</b>	<b>542931333</b>

*Shindhellav*  
21/9/20  
Registrar (i/c)  
NIT-Trichy

*N. S. Kumar*  
21/9/2020  
Director  
NIT-Trichy



**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 10 : GRANTS/ SUBSIDIES (IRREVOCABLE GRANTS RECEIVED)**

Particulars	CAPITAL				Total Capital	REVENUE	2019-20	2018-19
	Govt.of India MHRD	UGC		Govt.of India MHRD				
		Capital	Specific Schemes					
Balance B/F	56684358	0	0	0	585950379	642634737	277649471	
Add : Receipts during the year								
Grant	204977000	0	0	0	1820542100	2025519100	1728600000	
Interest Income	0	0	0	0	0	0	0	
Total	261661358	0	0	0	2406492479	2668153837	2006249471	
Less : Surplus IRG 2019-20 transfer to Capital Fund	0	0	0	0	459462685	459462685	0	
Balance	261661358	0	0	0	1947029794	2208691152	2006249471	
Less : Utilised for Capital Expenditure (A)	200141268	0	0	0	0	200141268	294080836	
Balance	61520090	0	0	0	1947029794	2008549884	1712168635	
Less : utilised for Revenue Expenditure (B)	0	0	0	0	1732480650	1732480650	1069533898	
Balance C/F (C)	61520090	0	0	0	214549144	276069234	642634737	

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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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 11 : INCOME FROM INVESTMENTS

Particulars	Earmarked / Endowment Funds		Other investments	
	2019-20	2018-19	2019-20	2018-19
1) Interest				
a) On Government Securities	0	0	0	0
b) Other Bonds/Debentures	0	0	0	0
2) Interest on Term Deposits	43891769	21646492	52440288	18708895
3) Income accrued but not due on Term Deposits/Interest bearing advance to employee	47979737	60265624	0	0
4) Interest on Savings Bank Accounts	185009	156274	0	0
5) Others (Specify)	0	0	0	0
<b>Total</b>	<b>92056515</b>	<b>82068390</b>	<b>52440288</b>	<b>18708895</b>
<b>Transferred to Earmarked / Endowment Funds</b>	<b>92056515</b>	<b>82068390</b>		
<b>Balance</b>	<b>0</b>	<b>0</b>		


  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 12 : INTEREST EARNED

Particulars	2019-20	2018-19
1) On Savings Accounts with Scheduled Banks	11425982	14589980
2) On Loans		
a) Employee/Staff	1055795	552785
b) Others	0	0
3) On Debtors, EB (SD) and Other Receivables	864087	855902
<b>Total</b>	<b>13345864</b>	<b>15998667</b>

  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 13 : OTHER INCOME

Particulars	2019-20	2018-19
<b>A. Income from Land &amp; Building:</b>		
1. Hostel Room Rent	46509854	36411500
2. License Fee Qtrs	8055442	6520974
3. Hire Charges of Auditorium/Play Ground/Convention Centre, Commercial Complex	14959209	8810885
4. Electricity charge recovered	77219459	55949624
5. Water charges recovered	2840306	1436520
<b>Total (A)</b>	<b>149584270</b>	<b>109129503</b>
<b>B. Sale of Institute's Publications (B)</b>	0	0
<b>C. Income from Holding Events:</b>		
1. Gross Receipts from Annual Function/Sports Carnival	0	0
Less: Direct Expenditure incurred on the Annual Function/Sports Carnival	0	0
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
<b>Total (C)</b>	<b>0</b>	<b>0</b>
<b>D. Others:</b>		
1. Income from Consultancy	3888555	1517844
a) Honorarium to staff	0	0
2. RTI Fees	580	390
3. Income from Royalty	0	0
4. Sale of Application Form (Recruitment)	1059958	1925764
5. Misc. Receipts (Sale of Tender Form, Waste Paper etc.)	2547337	2483530
6. Profit on Sale/Disposal of Assets:-		
a) Owned Assets (under buy back purchase)	404922	0
b) Assets received Free of Cost	0	0
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations	0	0
8. Other (specify)		
a) Association and cultural fee	15482000	12866200
b) QIP Fellowship from AICTE	0	0
<b>Total (D)</b>	<b>23383352</b>	<b>18793728</b>
<b>Grand Total (A+B+C+D)</b>	<b>172967622</b>	<b>127923231</b>

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21/9/20  
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NIT - Trichy

*Vivek Kumar*  
21/9/20  
Director  
NIT-Trichy



**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 14 : PRIOR PERIOD INCOME**

Particulars	2019-20	2018-19
1. Academic Receipts (COE Exp. Adjustment)	0	1716287
2. Income from Investments	0	0
3. Intrest earned	0	0
4. Other Income	14230438	315846
<b>Total</b>	<b>14230438</b>	<b>2032133</b>


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*N. S. Kumar*  
21/9/20  
 Director  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 15 : STAFF PAYMENTS & BENEFITS (Establishment Expenses)

Particulars	2019-20	2018-19
	Non Plan	Non Plan
a) Salaries and Wages	755318727	726948965
b) Allowances and Bonus	5851432	13397986
c) Contribution to Provident Fund/EPF	2322740	2205679
d) Contribution to Other Fund (NPS)	43794626	26032449
e) Staff Welfare Expenses	1090715	2709156
f) Retirement and Terminal Benefits	180706503	237690216
g) LTC Facility	9203211	8933207
h) Medical Facility	21383452	24400280
i) Children Education Allowance	7500000	8251600
j) Honorarium	5906725	4984980
k) Others (Specify) Outsources exp.	101739824	98908567
<b>Total</b>	<b>1134817955</b>	<b>1154463085</b>


  
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 Director  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 16 : ACADEMIC EXPENSES

Particulars	₹	₹
	2019-20 Non Plan	2018-19 Non Plan
a) Laboratory Expenses /DOC	7068507	6701439
b) Field Work / Participation	0	0
c) Seminar / Workshop	2726005	906341
d) Payment to Visiting Faculty	20106382	19568135
e) Examination	0	0
f) Student Welfare Expenses	8383287	9967427
g) Admission Expenses	1214683	2027416
h) Convocation Expenses	3876129	4207972
i) Publications	0	0
j) Stipend / Means-cum-Merit Scholarship	287557352	256749620
k) Subscription Expenses E-Journals	34380375	27312106
l) Others (Specify)	0	0
a) Siemens COE Reaserch Expenses	8285580	9064313
b) Sports & Games, NCC/NSS,etc	3363754	3191430
<b>Total</b>	<b>376962054</b>	<b>339696199</b>


  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 17 : ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	₹	
	2019-20 Non Plan	2018-19 Non Plan
<b>A Infrastructure</b>		
a) Electricity and Power	84492263	82053644
b) Water Charges	19000800	18999664
c) Insurance	2068575	728837
d) Rent, Rates and Taxes (including Property Tax)	2593116	6644853
<b>B Communication</b>		
e) Postage & Telegram	364920	463504
f) Telephone Fax and Internet Charges	5388182	4854345
<b>C Others</b>		
g) Printing and Stationary	3002845	4494667
h) Travelling and Conveyance Expenses	4703234	3998818
i) Hospitality	1393313	1402006
j) Auditors Remuneration	95100	482380
k) Professional Charges	3603372	2280155
l) Advertisement and Publicity	2189772	2959844
m) Magazines & Journals	862938	2950240
n) Others (Specify)		
Board/Finance Committee Meeting Exp.	6076618	1674447
Other Exp (NIT Transit House - 350000/- + Misc. Exp. - 1715274/-)	2065274	2561978
<b>Total</b>	<b>137900322</b>	<b>136549382</b>

  
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# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 18 : TRANSPORTATION EXPENSES

Particulars	2019-20	2018-19
	Non Plan	Non Plan
1. Vehicles (Owned by Institution)		
a) Running Expenses	1656009	1798615
b) Repairs & Maintenance	1688465	1713828
c) Insurance Expenses	400526	429606
2. Vehicles taken on Rent / Lease		
a) Rent / Lease Expenses	1959007	1067457
3. Vehicle(Taxi) hiring Expenses	0	88203
<b>Total</b>	<b>5704007</b>	<b>5097709</b>

  
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**National Institute of Technology, Tiruchirappalli-620 015**  
**SCHEDULE 19 : REPAIRS & MAINTENANCE**

Particulars	₹		₹	
	2019-20 Non Plan		2018-19 Non Plan	
a) Buildings	36220605		32555524	
b) Furniture & Fixtures	1767069		1005410	
c) Plant & Machinery	54353		130792	
d) Office Equipments	91108		130023	
e) Computers	9114617		105738	
f) Laboratory & Scientific equipment	2389759		1447171	
g) Audio Visual equipment	660541		128862	
h) Cleaning Material & Services	0		0	
i) Book Binding Charges	0		0	
j) Gardening	7673318		7462935	
k) Estate Maintenance	27302887		24876572	
l) Others (Specify) AMC	5604095		6885661	
<b>Total</b>	<b>90878352</b>		<b>74728688</b>	


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21/9/20  
Registrar (i/c)  
NIT-Trichy


*Nitin Kumar*  
21/9/2020  
Director  
NIT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 20 : FINANCE COSTS

Particulars	2019-20	2018-19
	Non Plan	Non Plan
a) Bank Charges	285959	157227
b) Others (Specify)	1360100	0
<b>Total</b>	<b>1646059</b>	<b>157227</b>

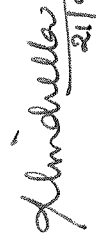
  
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 21/9/2020  
 Director  
 NIT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 21 : OTHER EXPENSES

Particulars	₹	
	2019-20 Non Plan	2018-19 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
<b>Total</b>	<b>0</b>	<b>0</b>

  
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 Director  
 NIT-Trichy




# National Institute of Technology, Tiruchirappalli-620 015

## SCHEDULE 22 : PRIOR PERIOD EXPENSES

Particulars	₹		₹	
	2019-20 Non Plan		2018-19 Non Plan	
1. Establishment Expenses	7235868			0
2. Academic Expenses	634033			0
3. Administrative Expenses	7578542			0
4. Transportation Expenses	27848			0
5. Repairs & Maintenance	1069196			0
6. Other Expenses (GST Payment)	0			1435867
<b>Total</b>	<b>16545487</b>			<b>1435867</b>

  
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 NIT-Trichy

  
 Director  
 NIT-Trichy

**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 ₹ 17.12 Lakhs added to Fixed assets and the depreciation provided from the year of completion of work.
- 3.4 The depreciation amounts to ₹ 41,69,41,841/- for the Year 2019-20, of which ₹ 24,22,14,413/- is exhibited under Income and Expenditure Account and ₹ 17,47,27,428/- 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 31<sup>st</sup> March 2020, for Retirement Benefits were ascertained by Actuary. The details are as follows:

Particulars	Current ₹	Non-Current ₹	Total ₹
Gratuity	2,01,39,166	32,94,68,612	34,96,07,778
Leave Encashment	4,18,09,333	51,38,88,227	55,56,97,560
<b>Total</b>	<b>6,19,48,499</b>	<b>84,33,56,839</b>	<b>90,53,05,338</b>



## **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
- c) 50% of Campus Development Fee Collection

### **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 31<sup>st</sup> 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.

*Amichellur*  
21/9/20  
Registrar (i/c)  
NTT-Trichy

*Visuvan*  
21/9/2020  
Director  
NTT-Trichy

## 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	1
Non-Teaching Staff	1
Others	26

#### 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 2019-20 is ₹24.49 crore (Grant:5.9 Cr, HEFA:7.9 Cr, IRG:10.69 Cr) The completed deposit works to the value of ₹ 17.12 Lakhs is added to the Fixed Assets in 2019-20. As on 31.03.2020, out of the total work awarded i.e. A/A. ₹ 215.16 crore, ₹ 58.59 crore is yet to be executed.

##### 2. FIXED ASSETS:

- 2.1 Additions in the year to Fixed Assets in Schedule 4 include Assets purchased out of Capital Grant & IRG ₹ 39,27,87,929/-, Sponsored Projects & Others ₹ 5,83,662/-.
- 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 1.4.2019 ₹	Additions during year 2019-20 ₹	Deductions during year 2019-20 ₹	Total as on 31.3.2020 ₹
Building	1,24,61,820	-	-	1,24,61,820
Electrical Installation	3,49,973	-	-	3,49,973
Equipment & Tools	19,73,83,933	31,37,327	-	20,05,21,260
Computers & Peripherals	76,02,470	-	-	76,02,470
Computer Software	1,07,78,288	-	-	1,07,78,288
Furniture & Fixtures	41,37,183	6,59,495	-	47,96,678
Library Books	2,77,31,981	-	-	2,77,31,981
<b>Total</b>	<b>26,04,45,648</b>	<b>37,96,822</b>	<b>-</b>	<b>26,42,42,470</b>

- 2.4 Fixed assets in Schedule 4 does not includes assets purchased out of Funds of Sponsored Projects during the year 2019-20.

The details of such Assets are:

Assets	Original cost as on 1.4.2019 ₹	Additions during year 2019-20 ₹	Deduction/ Capitalized ₹	Total ₹	Notional Depreciation Opening Balance ₹	Notional Depreciation for the year 2019- 20 ₹	Deduction/ Acc. Depreciation ₹	Total Notional Depreciation ₹	Total Book value as on 31.3.2020 ₹
Equipment & Tools	67837400	29367761	558673	96646488	11465463	7731719	89388	19107794	77538694
Computers & Peripherals	7946622	584269	-	8530891	2396880	1706178	-	4103058	4427833
Computer Software	3087526	-	466338	2621188	2844329	112265	373070	2583524	37664
<b>Total</b>	<b>78871548</b>	<b>29952030</b>	<b>1025011</b>	<b>107798567</b>	<b>16706672</b>	<b>9550162</b>	<b>462458</b>	<b>25794376</b>	<b>82004191</b>



2.5 **SIEMENS - COE Accounts** - Treatment in Institute Accounts for the Total Funds of ₹ 20,64,60,197/- released by the Institute through MHRD Grants during the year 2017-18 and 2018-19.

NITT Portion	Amount ₹	2017 - 2018			2018 - 2019		
		Capital	Revenue	WIP	Capital	Revenue	Current Assets & Advances
Service	24856740	-	-	24856740	-	8285580	16571160
IP (Research)	51488606	-	1716287	49772319	51488606	-	-
Software	64305981	46809354	-	-	17496627	-	-
Hardware	65808870	-	-	65808870	65808870	-	-
<b>Total</b>	<b>206460197</b>	<b>46809354</b>	<b>1716287</b>	<b>140437929</b>	<b>134794103</b>	<b>8285580</b>	<b>16571160</b>

NITT Portion	Amount ₹	2019-20			Exhibition in Annual Accounts 2019-20	
		Capital	Revenue	Current Assets & Advances		
Service	24856740	-	8285580	8285580	Schedule 16 and 8	
IP (Research)	51488606	-	-	-	Schedule 4 and 1	
Software	64305981	-	-	-		
Hardware	65808870	-	-	-		
<b>Total</b>	<b>206460197</b>	<b>-</b>	<b>8285580</b>	<b>8285580</b>		

## 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 ₹ 20.64/- 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	Balance	
Service	39771155	-	-	39771155	-	39771155	-	Schedule 3(a) and 8
IP (Research)	758301225	-	649960116	108341109	-	108341109	-	
Software	839168902	839168902	-	-	-	-	-	Schedule 4 and 1
Hardware	86170594	-	-	86170594	86170594	-	-	
<b>Total</b>	<b>1723411876</b>	<b>839168902</b>	<b>649960116</b>	<b>234282858</b>	<b>86170594</b>	<b>148112264</b>	<b>-</b>	

### **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. HEFA LOAN**

Institute has entered into an MoU with HEFA for enhancing Centre of Dynamic Excellence, Interdisciplinary Research Centre's & Lab's, Infrastructure Projects, IT Infrastructure and Smart Class. HEFA has sanctioned ₹ 51.60 crores for Phase I, and released ₹ 7.90 crores during the FY 2019-20 to CPWD for ongoing Infrastructure Projects. Institute has repaid HEFA Loan Principal of ₹ 2.58 crores out of IRG and HEFA Loan Interest of ₹ 13.60 lakhs out of Grant to HEFA during the FY 2019-20 and disclosed the balance of ₹ 5.32 crores in HEFA Loan under Schedule 2: Unsecured Loans - HEFA Loans as per MHRD guidelines.

6. 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.
7. Previous year's figures have been regrouped wherever necessary.
8. Figures in the Final accounts have been rounded off to the nearest rupee.
9. Schedules 1 to 24 are annexed to and form an integral part of the Balance Sheet at 31<sup>st</sup> March 2020 and the Income & Expenditure account for the year ended on that date.

10. 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 2019-20 have been attached, to the Institutions' Accounts.

  
Registrar (i/c)  
NIT-Trichy

  
Director  
NIT-Trichy

# RECEIPTS AND PAYMENT ACCOUNT

**National Institute of Technology, Tiruchirappalli-620 015**  
**Receipts and Payments Accounts for the Period/Year Ended 31.03.2020**

Receipts	2019-20	Payments	2019-20
I. Opening Balance		I. Expenses	
a) Cash Balance	0	a) Establishment Expenses	1026434905
b) Bank Balance		b) Academic Expenses	345854307
i. In current accounts	69619188	c) Administrative Expenses	128100847
ii. In deposit accounts	1832302992	d) Transportation Expenses	5405356
iii. Savings accounts	618351959	e) Repairs & Maintenance	80077230
II. Grants Received		f) Prior Period Expenses	17584348
a) From Govt of India	2025519100	g) Finance cost	1646059
Grant receivable received		II. Payments Against Earmarked/Endowment Funds	279375
b) From State Government	0	III. Payments Against Sponsored Projects/Schemes	222058515
C) From other Sources	0	Fixed Assets(R & C): 30237071, Revenue Exp.:162218109	
III. Academic Receipts	629841881	Fixed Assets(Teqip):3796822, Revenue Exp.: 25806513	
IV. Receipts Against Earmarked/Endowment Funds	96772194	IV. Payment against Sponsored Fellowships/Scholarships	1534861
V. Receipts Against Sponsored Projects/Schemes	282537986	V. Investments and Deposits made	
Sponsored Project : 253006282		a) Out of Earmarked/Endowment Funds	
TEQIP : 29531704		b) Out of own funds (others)	
VI. Receipts against Sponsored Fellowships/Scholarships	1040237	VI. Term Deposits with Scheduled Banks	1225586118
VII. Income Investments From		VII. Expenditure on fixed Assets and capital works-in Progress	3148853656
a) Earmarked/Endowment funds	107001521	a) Fixed Assets	3144880802
b) Other Investments	34247437	b) Capital Works-in Progress	129972679
VIII. Interest Received on		VIII. Other Payments including statutory payments	238486718
a) Bank Deposits/EB Deposit	864087	IX. a) Refunds of Grants	0
b) Loans and Advances	1055795	b) Repayment of HEFA Loan	0
C) Savings Bank Accounts	11610991	X. Deposits and Advances	25800000
IX. Investments encashed	4374439774	XI. Other Payments.- Sundry Creditors	3344532454
X. Term Deposits with Scheduled Banks encashed	3144880802	XII. Closing Balances	204813304
XI. Other Income(inc.Prior period income)	181135098	a) Cash in hand	0
XII. Deposits and advances	3440551357	b) Bank Balances	
XIII. Miscellaneous Receipts including	16446407	in Current Accounts	18914569
XIV. Any Other Receipts	0	in Savings Accounts	495540739
		in Deposit Accounts	3061861964
<b>Total</b>	<b>16868218806</b>	<b>Total</b>	<b>16868218806</b>

*Handwritten Signature*  
 Registrar (i/c)  
 NIT-Trichy

*Handwritten Signature*  
 Director  
 NIT-Trichy



# **GPF AND NPS ACCOUNTS**

**National Institute of Technology, Tiruchirappalli-620 015**  
**Provident Fund Account Balance Sheet as at March 31, 2020**

Liabilities	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19	Assets	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19
<b>GPF</b>					
Opening Balance	207063040	177813187	Investment	234384831	213120245
Less: Subscription for March 2019	4069251	3965700	Int accrued as on 31/03/20	6914048	6091801
			Subscription Due in the Year	3580	3580
Add: Subscriptions in the year	51608750	50142551	Subscription Due for March, 2020	4187034	4069251
Add: Subscriptions for March 2020	4187034	4069251	GPF	0	0
Add: Interest Credited	16033509	14318074	CPF	0	0
Less: Advance / Withdrawal	48319021	35314323	UC due to CPF	0	0
<b>Closing Balance</b>	<b>226504061</b>	<b>207063040</b>	NPS-II	0	0
			Tax Recovered from interest on investments	0	0
<b>CPF</b>			Pending refund from income Tax Department		
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			
<b>Closing Balance</b>	<b>0</b>	<b>0</b>	<b>Cash at Bank</b>		
<b>University Contribution (CPF)</b>			SBI, Branch-I	9367058	11802185
Opening Balance	0	0	Other Bank	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			
<b>Closing Balance</b>	<b>0</b>	<b>0</b>			
<b>NPS Tier-II Account</b>					
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			
<b>Closing Balance</b>	<b>0</b>	<b>0</b>			
<b>Interest Reserve</b>					
Opening Balance	28024022	28566012			
Add: Excess of income over Expenditure	328468	-541990			
<b>Closing Balance</b>	<b>28352490</b>	<b>28024022</b>			
<b>Total</b>	<b>254856551</b>	<b>235087062</b>	<b>Total</b>	<b>254856551</b>	<b>235087062</b>


*Chandrasekhar*  
21/9/20  
Registrar (i/c)  
NIT-Trichy


*W. S. Kumar*  
21/9/20  
Director  
NIT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## Provident Fund Account Income and Expenditure Account for the year ended 31.03.2020

Expenditure	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19	Income	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19
<b>Interest Credited to:</b>					
GPF Account	16033509	14318074	Interest earned on Investment	15539730	12744948
CPF Account	0	0	Add: Interest Accrued on 03/20	6914048	6091801
University Contribution(CPF)	0	0	Add: Tax recovered on interest- Refund to be obtained	0	0
NPS Tier-II Account	0	0	Less: Interest accrued for March 19	6091801	5060665
Excess of Income over Expenditure	328468	0	Excess of Expenditure over Income	0	541990
<b>Total</b>	<b>16361977</b>	<b>14318074</b>	<b>Total</b>	<b>16361977</b>	<b>14318074</b>


  
 Registrar (i/c)  
 NIT-Trichy


  
 Director  
 NIT-Trichy

# National Institute of Technology, Tiruchirappalli- 620015

## Provident Fund Account Receipts and Payments Accounts for the Financial Year 2019-20

Receipts	Amount in ₹	Payments	Amount in ₹
Opening Balance as on 01/04/19		GPF Adv./Withdrawal	48319021
SBI, Branch - I	11802185	CPF Adv./Withdrawal	0
SBI, Branch - II	0	NPS Tier-II	0
Bank	0	University Contribution Withdrawal	0
GPF Subscription	51608750	Investment during the year	205961008
CPF Subscription	0		
CPF University Contribution	0		
NPS Tier-II Account	0		
Investment Encashed	184696422	Closing Balance:-	
Interest Received	15539730	SBI, Branch-I	9367058
		Bank	0
<b>Total</b>	<b>263647087</b>	<b>Total</b>	<b>263647087</b>


  
 Registrar (i/c)  
 NIT-Trichy


  
 Director  
 NIT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## NPS Tier-I Account Balance Sheet as at March 31, 2020

Liabilities	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19	Assets	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19
<b>NPS Tier-I Account</b>			<b>NPS Tier-I Account</b>		
Opening Balance	5115297	3587048	Subscription and contribution due for 03/20	6446155	4683382
Less: Subscription for March 2019	4683382	3161248	Investment	0	0
Add: Subscriptions U Contribution	74176882	60249175	Interest Accrued but not due	0	0
Add: Interest Credited	0	0	Balance at Bank	2269310	2059342
Less: Transferred to NSDL	74073506	60243060			
Add: Subscription UC for 03/2020	6446155	4683382			
<b>Closing Balance</b>	<b>6981446</b>	<b>5115297</b>			
Excess of income over Expenditure	0	0			
Balance As on 1.4.2019	1627427	1506203			
Add: During the Year	106592	121224			
Less: Excess of Expenditure over Income	0	0			
<b>Total</b>	<b>8715465</b>	<b>6742724</b>	<b>Total</b>	<b>8715465</b>	<b>6742724</b>

  
 Registrar (i/c)  
 NIT-Trichy


  
 Director  
 NIT-Trichy




# National Institute of Technology, Tiruchirappalli-620 015

## NPS Tier- I Account Income and Expenditure Account for the Financial year 2019-20

Expenditure	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19	Income	Amount in ₹ 31-Mar-20	Amount in ₹ 31-Mar-19
Interest Credited to:					
Subscribers' Accounts	0	0	Interest earned on Investment/Savings Bank	106592	121224
Bank Charges	0	0	Less: Interest accrued for 31.03.2019	0	0
			Interest accrued but not due	0	0
Excess of Income over Expenditure	106592	121224	Excess of Expenditure over Income	0	0
<b>Total</b>	<b>106592</b>	<b>121224</b>	<b>Total</b>	<b>106592</b>	<b>121224</b>


  
 Registrar  
 NIT-Trichy


  
 Director  
 NIT-Trichy

# National Institute of Technology, Tiruchirappalli-620 015

## NPS Tier- I Account Receipts and Payments Accounts for the Financial Year 2019-20

Receipts	Amount in ₹	Payments	Amount in ₹
Opening Balance as on 01/04/19		Investment	0
NPS Tier - I Account	2059342	Withdrawal/Refund to NSDL	74073506
Own Subscription	31581548		
University Contribution	42595334		
Interest Received on Investment	0		
Interest on Savings bank Account	106592		
Investment Encashed	0	Closing Balance as on 31/03/2020	2269310
<b>Total</b>	<b>76342816</b>	<b>Total</b>	<b>76342816</b>

  
 Registrar (i/c)  
 NIT-Trichy

  
 Director  
 NIT-Trichy



NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI