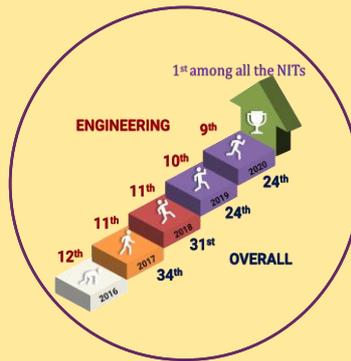


ANNUAL REPORT

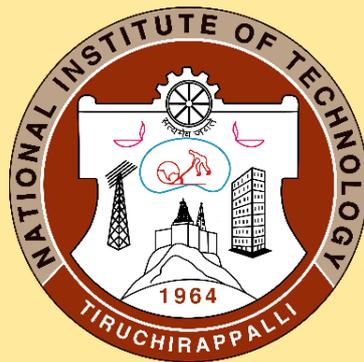
2020-21

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI



ANNUAL REPORT

2020-21



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI

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DIRECTOR'S FOREWORD

Efforts to combat the pandemic ushered in an altogether new era in the field of education with everything being online: classes, laboratories, exams, project reviews, club activities, important celebrations such as Independence Day, Republic Day, Institute Day, Festember, Pragyan and even Convocation 2020. In the face of the still uncertain future of education in a post-pandemic world, our resilience appears to have only grown stronger.



Over the course of last year, the campus community successfully made a near-seamless transition to virtual teaching and learning environments. We did more than merely adapt to digital learning; we were able to mine the innumerable possibilities offered by digital learning platforms to overcome mobility constraints. Our faculty and students have shown great zeal in adapting to the pedagogical demands and challenges of virtual learning environments.

We continue to make great strides on the academic front, performing well in all the growth markers.

We made an impact yet again, 5th year in a row, by moving to the 9th position in the Engineering category in the NIRF India Rankings 2020 and retained No. 1 position among all the NITs. The Institute has improved on all the NIRF parameters and in the last 3 years, the score improved from 59.44 to 64.1. In the overall category, we moved to 24th position from 34th, in two years, with many renowned universities and institutes still behind us. The NIRF Task Force and Data Intelligence Team's co-ordination was instrumental in achieving this recognition - Congratulations!

The strategic plan (2019-24) for the Institute – which was unveiled 3 years ago, delineating a clear road map to move forward – is being implemented effectively, with periodic review and follow up. This has kept us on track and shown results, visible from the improvements in publications, introduction of new courses, establishment of centers of excellence and strengthening of Industry and Alumni relations, ultimately reflecting in our rankings! The strategic plan is already aligned with the National Education Policy 2020 with the implementation of a flexible curriculum, facilitation of industry collaborations, the enabling of credit transfer from elite Institutions and much more. Through these initiatives, along with the prescient introduction of a Master's programme in English Language and Literature in 2020, NIT Tiruchirappalli has demonstrated that its vision aligns with that of the NEP '20 for the integration of vocational education with general education. As part of NEP implementation, the institute initiated direct Ph.D. admissions for B.Tech./B.Arch. graduates for the first time in 2021-22. Integrated M.Tech./Ph.D. programs are also launched from this year.

We are in the process of aligning our strategic plan to implement more initiatives of NEP 2020, including online courses & programs to increase the gross enrolment ratio.

Amongst our noteworthy achievements in AY 20-21 are the fellowships awarded to our Ph.D. scholars under the Prime Minister's Research Fellows (PMRF) Scheme. By virtue of being the only NIT to feature in the top 25 institutions in the NIRF ranking, we were recently inducted into the pool of premier national institutions eligible for this prestigious fellowship. I am delighted to announce that 13 of the students secured the coveted PMRF fellowship out of the 16 seats allotted to us in 2020-21. This serves as an indisputable demonstration of the quality of research conducted at NIT Tiruchirappalli as well as the national and global relevance of the problems we engage with. I extend my congratulations to the awardees and their supervisors.

Some of the other highlights of AY 20-21 are:

1. The Institute, along with CDAC, has invested Rs. 19 Crore and setup a high-performance supercomputing facility as part of the National Supercomputing Mission (NSM).
2. At NIT Tiruchirappalli we encourage multidisciplinary research and to this end we successfully launched the 190 Crore Centre of Dynamic Excellence in Manufacturing in 2018 in partnership with Siemens Industry Software. Moreover, we also launched the Centre for Artificial Intelligence, IOT and Intelligent machines a few months back. In addition, the Centre for Advanced Manufacturing & Automation (CAMA), the Interdisciplinary labs for Energy Harvesting and Storage Technology for Combustion & Emission Studies and for Electronics System Design Calibration & testing are all ready for inauguration, as part of our strategic plan.
3. Being the National MOOCs coordinator for UG and PG Engineering programs, the Institute has initiated the development of new courses for the Swayam platform with an initial funding of Rs. 3 Cr from the Ministry of Education.
4. NIT Tiruchirappalli consistently topped with the highest audit score of 1.03 in TEQIP III phase following its top spot recognition in TEQIP I & II phases earlier.

The pandemic did not hinder our growth on the Research & Consultancy front either:

1. We published an average of ~ 1400 SCI journal papers in 2020- 72 % in Q1 and Q2 Journals indicating the quality of publications–Furthermore, the citations rose to 17000.
2. The Institute filed 20 patents, published 6 patents and was granted 4 patents in AY 2020-21.
3. I am also pleased to announce that our faculty put in efforts to generate a consultancy revenue of ~ 2.5 crores last year in AY 20-21, a remarkable feat in these tough times
4. The Department of Mathematics has been selected for DST FIST funding of 2.5 Crores. Congratulations!
5. TCS Foundation has in principle agreed to sponsor 10 crores for setting up a TCS AI Centre at NIT Tiruchirappalli.

6. Our Institute is now closely associated with the Ministry of Small and Medium Enterprises (MSME) design schemes and was recently awarded 3 student projects, which is a good beginning towards innovation for a societal cause.
7. We completed ~ 30 workshops/conferences in virtual mode and were successful in bagging 5 AICTE - ATAL workshops and 9 FDP/STTPs under the AICTE Margadharshan Scheme. The workshops tackled a diverse range of relevant themes while never losing focus on the most pressing concern that educators today are confronted with: the challenges of delivering quality education virtually.

Recruitment and Graduation:

1. Recruiting the right Faculty and staff is the most challenging assignment of a Director. I am glad we were successful in this endeavour last year too. We recruited 69 new Faculty in March 2020 – including 21 women – who joined during the pandemic. They are contributing immensely to the growth of the Institute.
2. To encourage more women to take up leadership positions, capacity building workshops were conducted for new women faculty and I am elated to state that we have women in many leadership positions in the Institute.
3. For the first time in the history of the Institute, direct recruitment for Group B & C posts were conducted and 92 young men & women were recruited in July 2021. Three of our Non-Muster Roll employees and around 6 of our temporary staff have secured permanent positions in this process. Congratulations! I must compliment Dr.Sathish, Assistant Registrar (Recruitment) and the team for this great effort.
4. A total of 1777 graduates received degrees in Convocation 2020, including 173 Ph.D. degrees, which is an all-time record.

Alumni Activities:

1. Alumni Relations reached new heights in the last 3 years with the appointment of a new Dean Alumni Relations. I wish to laud the unstinting support offered by RECAL, the Alumni Association of REC/NIT Tiruchirappalli for establishing the RECAL Cares initiative, by raising 2 Crores, to overcome the challenges posed by the Pandemic. This facilitated building an Oxygen Generator, providing Oxygen concentrators, Helth-athon Research & Prototype grants, support to students with deceased parents, Medical/grocery kit for ad-hoc staff, etc.
2. Eleven Distinguished Alumni Awards and Young Achievers Awards are awarded this year to notable alumni for their remarkable contributions in their fields.
3. In association with RECAL, we launched the NIT Tiruchirappalli USA Alumni chapter initiative called ALUMNICAST/Fireside chats, featuring high profile Alumni speakers, to encourage young students and faculty.

4. The Heritage Centre – an Institute and RECAL initiative – will soon be a reality showcasing our history & heritage.
5. Our alumnus, Mr. Raj Shanmugaraj, sponsored Rs. 188 lakhs towards the establishment of the Centre for System On-Chip (SoC) Design and Fabrication in the Department of Electronics and Communication Engineering.

Infrastructure and Green Campus:

1. We added a golden Jubilee Annexe building for the Department of Chemical Engineering. Furthermore, the construction of 6 Department Annexe buildings has been initiated, a new ladies hostel is nearing completion and work on a new boys hostel is about to commence. 200 Crores is being invested in these structures and facilities adding 60,000 sq M of built space to take the Institute to the next level in terms of infrastructure.
2. NIT Tiruchirappalli bagged the ‘One District One Green Champion’ award as part of Swachhta Action Plan 2020-21, awarded by the Mahatma Gandhi National Council of Rural Education.
3. Two Miyawaki forests were set up on campus on the occasion of World Forest day in March 2021 with the planting of 6000 saplings. This marks the commencement of an urban afforestation initiative with the aim to encourage the growth of dense forest cover of native plants on campus.
4. A world class Technogym was inaugurated for the benefit of the campus community.
5. I wish to reiterate that NIT Tiruchirappalli has been doing exceptionally well in protecting the campus against the spread of the pandemic since March 2020 with consistent support and efforts from all fronts, especially the Medical team and Security Team. I extend my sincere gratitude to them and to the core administration team// including the Deputy Director, Registrar and Deans.
6. In addition to ensuring the safety of the campus residents, the Institute extended its support to the Trichy Administration by facilitating a COVID CARE CENTRE with 500 beds to aid the locality.

Today we are announcing the names of 31 Faculty achievers young and old, 20 budding researchers, UG and PG meritorious award and endowment award winners// along with the Best Departments.

My congratulations to all award winners. Special congratulations to the Festember and Pragyam teams of 2020-21, you did it online with tons of imagination!

This account of our achievements in AY 20-21 is testament to the fact that NIT Tiruchirappalli has proved itself more than capable in confronting and overcoming the manifold difficulties posed by the pandemic on academic and non-academic fronts.

The pandemic has no doubt thrown a wrench in traditional ways of sharing and accruing knowledge. However, in doing so, it has revealed to us our indomitable spirit, our resilience and the boundless

capacity we possess to adapt to and overcome unimaginable adversities. This is the spirit that we strive to inculcate and foster in our students; this is the key objective of the education we impart to them.

I can state with immense pride and pleasure that NIT Tiruchirappalli has set a fine example in this respect to educational institutions the world over. NIT Tiruchirappalli is proud of the COVID assistance initiatives we actuated and considers it a privilege to have played a part in fostering a scientific community with a humanitarian outlook, thereby reinforcing the message conveyed in the institute tagline – Locally Relevant, Globally Competitive.

Let us continue working together in this spirit to ensure that we outshine our own achievements in the coming academic year.

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, by being ranked ninth among all the technical institutes in the country and first among the 31 NITs (sixth year in a row) by the National Institutional Ranking framework (NIRF), India Ranking 2021, Government of India. In ‘overall’ ranking, NIT Tiruchirappalli moved to 23rd position and remained in the top 25 Educational Institutions in the country. Established as the Regional Engineering College (REC) in 1964, the salubrious campus became NIT, Tiruchirappalli in 2003 and is an Institution of National Importance under Ministry of Education, Government of India. The President of India is the visitor of the Institute.

The Institute has 17 Academic departments and runs 10 UG Programmes, 31 Masters Programme, MS by Research and Ph.D. Programmes in major fields of Engineering, Sciences, Humanities and Management. The vibrant campus with 7000 + students is a shining example of cultural diversity with students drawn from almost all the states in the country and abroad.

NIT, Tiruchirappalli follows credit based academic programmes with flexible curricula, minor specializations and new evaluation models. The Institute has won prestigious awards for best industry linked institute, best in employability, social responsibility and project governance from FICCI. NIT, Tiruchirappalli has been declared the Best Innovation Club at the Festival of Innovation and Entrepreneurship held at Rashtrapathi Bhawan in 2018, by the President of India. The Institute also bagged the Green Campus Award conferred by TNPCB and is in the top 10 in Swatch Campus ranking.

The Strategic Plan for the Institute released in 2018 aims to propel the Institute to be one of the top 100 Institutions in the world, with systematic review and monitoring in place. NIT Tiruchirappalli has set up the first of its kind Centre of Excellence in Manufacturing, with an investment of 190 Crores is a perfect example of Industry-Academia Partnership. The Institute established ISRO - Space Technology Incubation Centre in 2019 and National Research Development Council (NRDC) Patent Facilitation Centre in 2020 and is part of the National Super Computing Mission with a 650 TF Super Computer being installed. MoE has appointed NIT Tiruchirappalli as National MOOCS coordinator for UG & PG Engineering programs, in the process of setting up Studios and developing courses-2020. NIT Tiruchirappalli is one of the Prime Ministers’ Research Fellowship (PMRF) Granting Institution from 2020. NIT Tiruchirappalli has forged links with peer universities and institutes, both at the national as well as international levels, to enhance research and enrich its academic programmes. The alumni have distinguished themselves through their achievements and contributions to the domains of industry, academics, research, business, and governance.

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
23/06/2020	59 th	OOM Room, NIT Tiruchirappalli
29/09/2020	60 th	OOM Room, NIT Tiruchirappalli
14/12/2020	61 st	OOM Room, NIT Tiruchirappalli
30/01/2021	62 nd	IC&SR Committee Room, IIT Madras
30/03/2021	63 rd	OOM ROOM, NIT Tiruchirappalli

DIRECTORS OF NIT, TIRUCHIRAPPALLI

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

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 Sundarrajan	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
Two members Nominated by the Government of India		
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
One member Nominated by Board among the Board Members		
Dr. Kumanan	Professor (HAG), Department of Production Engineering	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
23/06/2020	43 rd	OOM Room, NIT Tiruchirappalli
29/09/2020	44 th	OOM Room, NIT Tiruchirappalli
14/02/2020	45 th	OOM Room, NIT Tiruchirappalli
30/01/2021	46 th	IC&SR Committee Room, IIT Madras
31/03/2021	47 th	OOM Room, NIT Tiruchirappalli

3. 2. 2. Building and Works Committee

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

The following are members of the Buildings and Works Committee:

Director, NIT, Tiruchirappalli	Chairperson
Members	
Dr. M.Duraiselvam, Dean (Planning & Development), National Institute of Technology, Tiruchirappalli.	Mr. K. Rajendran, Superintending Engineer (Civil Section), CSIR, Karaikudi

Dr. V. Jagadeesh Kumar, Professor, Department of EEE, IIT Madras	Dr. S.Jerome, Board Representative, Assistant Professor, Department of MME, National Institute of Technology, Tiruchirappalli.
Registrar, NIT, Tiruchirappalli – 620 015	Member Secretary

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

Date	B & WC Meeting	Venue
05/06/2020	25 th	Senate Hall, NIT, Tiruchirappalli
11/09/2020	26 th	Webex (Online), 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
09/05/2020 (agenda & notes circulation)	50 th	Due to COVID-19, the agenda and notes of Senate was circulated through e-mail to senate members and were further confirmed
11/05/2020 (agenda & notes confirmation)		
03/06/2020	51 st	Online Mode (through MS Teams)
31/08/2020	52 nd	Online Mode (through MS Teams)
25/01/2021	53 rd	Online Mode (through MS Teams)

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 2020 – 2021: 1 time

3. 2. 5. Selection Committee for Technical / Administrative / Ministerial Staff

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

The Selection Committee for Technical posts is as follows:

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

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

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

Total number of times the Selection Committee met during 2020 – 2021: 1 time

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

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

Faculty / Staff Appointed from 01/04/2020 To 31/03/2021:

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

S. No.	Name	Designation	Date of Joining
1.	Smt.Bhagyasri K	Architecture	06/05/2020 FN
2.	Smt.Pudhuma Bharathi K	Architecture	06/05/2020 FN
3.	Shri.Saurabh Kumar	Architecture	05/06/2020 FN
4.	Dr.Jyoti Sahu	Chemical Engineering	05/06/2020 FN
5.	Dr.Kartikeya Shukla	Chemical Engineering	03/08/2020 FN
6.	Dr.Sitara K	CSE	18/06/2020 FN
7.	Dr.Kamalika Bhattacharjee	CSE	29/06/2020 FN
8.	Dr.Sai Krishna M	CSE	18/05/2020 FN
9.	Dr.Chandramani Chaudhary	CSE	29/06/2020 FN
10.	Dr.Bala Krishnan R	CSE	13/05/2020 FN
11.	Dr.Balaji Banothu	Computer Applications	11/05/2020 FN
12.	Dr.Bopche Ghanshyam Sitkura	Computer Applications	11/06/2020 AN
13.	Dr.Selvakumar K	Computer Applications	20/05/2020 FN
14.	Dr.Jitendra Kumar	Computer Applications	28/05/2020 FN
15.	Dr.Aneesh Mathew	Civil Engineering	22/05/2020 FN

16.	Dr.Greegar George	Civil Engineering	13/05/2020 AN
17.	Dr.Kamal Krishna Bera	Civil Engineering	29/05/2020 FN
18.	Dr.Darshana O	Civil Engineering	12/05/2020 FN
19.	Dr.Mashudha Sulthana U	Civil Engineering	11/05/2020 FN
20.	Dr.Baby Viswambharan	Chemistry	27/05/2020 FN
21.	Dr.Jothi Lakshmi N	Chemistry	20/05/2020 FN
22.	Dr.Hemant Kumar	ECE	19/06/2020 FN
23.	Dr.Sudharsan P	ECE	11/06/2020 FN
24.	Dr.P Maheswaran	ECE	22/05/2020 AN
25.	Dr.S Kayalvizhi	EEE	24/06/2020 AN
26.	Dr.Aneesa Farhan M A	EEE	27/05/2020 FN
27.	Dr.Pinkymol K P	EEE	21/05/2020 AN
28.	Dr.Naveen Yalla	EEE	25/06/2020 FN
29.	Dr.Ashok Kumar	EEE	04/06/2020 FN
30.	Dr.Padmaja M	Humanities - Economics	26/05/2020 FN
31.	Dr.Nisha Viswanathan	Humanities - English	05/06/2020 FN
32.	Dr.Karthika V.K.	Humanities - English	14/05/2020 FN
33.	Dr.Umasankar Patra	Humanities - English	05/06/2020 FN
34.	Dr.Shiraz Sohail	ICE	01/06/2020 FN
35.	Dr.Sivanesan M	Mathematics	29/05/2020 FN
36.	Dr.Shivaranjani N	Mathematics	06/05/2020 FN
37.	Dr.Atul Kumar Verma	Mathematics	01/06/2020 FN
38.	Dr.Abhijit Das	Mathematics	25/06/2020 FN
39.	Dr.Sreejith Mohan	Mechanical Engineering	11/05/2020 FN
40.	Dr.Prakash R	Mechanical Engineering	04/05/2020 FN
41.	Dr.Rajasekaran G	Mechanical Engineering	06/05/2020 FN
42.	Dr.Nivish George	Mechanical Engineering	14/05/2020 FN
43.	Dr.Bishweshwar Babu	Mechanical Engineering	25/06/2020 FN
44.	Dr.Desu Rahgu Ram Karthik	Mechanical Engineering	29/05/2020 FN
45.	Dr.Krishna Mohan Kumar	Mechanical Engineering	01-07-2020 FN
46.	Dr.Nimu Chand Reger	MME	05/06/2020 AN
47.	Dr.Prince Gideon Kubendran Amos	MME	19/10/2020 FN
48.	Dr.A Muthuchamy	MME	18/06/2020 FN
49.	Dr.Malolan Sundararaman	Management Studies	13/05/2020 FN
50.	Dr.B Janarthanan	Management Studies	12/05/2020 FN
51.	Dr.Shobitha Poullose	Management Studies	11/05/2020 FN
52.	Dr.I Rajesh	Management Studies	13/05/2020 AN
53.	Dr.Manju Mahipalan	Management Studies	19/05/2020 AN
54.	Dr.Kirubakaran J	Management Studies	03/06/2020 FN
55.	Dr.Somnath Mukhopadhyay	Physics	22/06/2020 FN
56.	Dr.Takhellambam Sonamani Singh	Physics	06/05/2020 FN
57.	Dr.Venkata Suryanarayana Mummidi	Physics	10/06/2020 AN
58.	Dr.Matruprasad Rout	Production Engineering	29/05/2020 FN
59.	Dr.Prakash Kumar	Production Engineering	26/05/2020 FN
60.	Dr.Vasu M	Production Engineering	21/05/2020 FN
61.	Dr.Santosh Kumar Mishra	Production Engineering	26/05/2020 FN
62.	Dr.Jagadesh T	Production Engineering	06/05/2020 FN
63.	Dr.Vineet Kumar Yadav	Production Engineering	28/05/2020 FN

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

S. No.	Name	Designation	Date of Joining
NIL			

3.3. STAFF POSITION

The sanctioned strength against the actual staff in position as on 31/03/2021 is furnished below:

Sl. No.	Category	Sanctioned Strength	Staff in Position
1	Director	1	1
2	Professor	100	67
3	Professor (HAG)		26
4	Associate Professor	75	73
5	Assistant Professor	218	137
6	Group-A & Admn. Staff	137	61
7	Technical Staff	236	78
8	Other Staff	59	46

Faculty who retired during the period from 01.04.2020 to 31.03.2021:

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1	Dr.Gopalan N.P	Professor (HAG)	Computer Applications	30/04/2020
2	Dr.N.Anantharaman	Professor (HAG)	Chemical Engineering	31/05/2020
3	Dr.Natarajan .C	Professor	Civil Engineering	31/07/2020
4	Dr.N.Ammasai Goundan	Professor (HAG)	Electronics & Electrical Engineering	31/10/2020
5	Dr.B.Ramadoss	Professor (HAG)	Computer Applications	30/11/2020

Non-Faculty who retired during the period from 01/04/2020 to 31/03/2021:

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1	Raman V	Attendant (SG-I)	ICE	30/04/2020
2	Prema A	Supdt. (SG-II)	Academic Office	31/05/2020
3	Sridhar K	Technician (SG-II)	MME	31/05/2020
4	Dr.M. Rajendrakumar	Physical Director	PED	31/05/2020
5	Aboobacker K	Security Guard (SG-II)	Security Office	30/06/2020
6	Valarmathi C	Supdt. (SG-II)	S&P Section	30/11/2020
7	A. Palanivel	Registrar	Registrar Office	30/06/2020

Faculty who took VRS during the period from 01/04/2020 to 31/03/2021:

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
1	Dr.P.A Krishnan	Associate Professor	Civil Engineering	27/12/2020

Non-Faculty who took VRS during the period from 01/04/2020 to 31/03/2021:

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
1	Kumudha M	Superintendent (SG-I)	Main Office	31/10/2020

Faculty who expired while in service during the period from 01/04/2020 to 31/03/2021:

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1	Dr.V.Suriyanarayanan	Associate Professor	MME	24/08/2020

Non-Faculty who expired while in service during the period from 01/04/2020 to 31/03/2021:

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1	Gunashekaaran J	Superintendent (SG-II)	Main Office	21/07/2020
2	Rajendran P	Senior Attendant	MME	20/10/2020
3	Panner Selvam P	Senior Attendant	Main Office	11/11/2020

Faculty who resigned during the period from 01.04.2020 to 31.03.2021:

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

Non-Faculty who resigned during the period from 01.04.2020 to 31.03.2021:

Sl. No.	Name of the Staff	Designation	Department	Date of Resignation
1	Parameswaran R	Deputy Librarian	Central Library	31/12/2020

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 2020-21 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.



5. ACADEMIC PROGRAMMES AND AWARD OF DEGREES

The Institute has 17 Academic departments and runs 10 UG Programmes, 31 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. Geotechnical Engineering
8. Data Analytics
9. Computer Science and Engineering
10. Energy Engineering
11. Power Electronics
12. Power Systems
13. Communication Systems
14. VLSI System
15. Industrial Automation
16. Industrial Safety Engineering

17. Thermal Power Engineering
18. Material science and Engineering
19. Industrial metallurgy
20. Welding Engineering
21. Industrial Engineering and Management
22. Manufacturing Technology
23. 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 Arts (4 Semesters)

English Language and Literature

Master of Science (By Research)

All Engineering Departments

Doctor of Philosophy

All Departments

5. 2. ADMISSIONS 2020 - 21

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, MCA, M.Sc. and M.A. programmes are based on the scores in the GATE, CAT, NIMCET, JAM and NITT examinations respectively.

5. 2. 1. Fresh Admission 2020 - 21

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

Sl. No.	Category	UG	PG	Total
1.	Foreign Nationals	47	4	51
2.	Scheduled Castes	135	79	214
3.	Scheduled Tribes	69	38	107

4.	Physically Handicapped	30	3	33
5.	EWS	140	85	225
6.	OBC	336	189	525
7.	DASA	109	2	111

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M. Sc.	MCA	MBA	MA	MS	Ph. D.	TOTAL
1.	Architecture	62		24							7	93
2.	Chemical Engineering		84		46						5	135
3.	Chemistry					26					10	36
4.	Civil Engineering		124		137						17	278
5.	Computer Applications				26	21	112				12	171
6.	Computer Science and Engineering		148		35						18	201
7.	Electrical and Electronics Engineering		135		60						21	216
8.	Electronics and Communication Engineering		143		63						15	221
9.	Energy and Environment				21						6	27
10.	Humanities and Social Sciences								25		11	36
11.	Instrumentation and Control Engineering		116		23					1	14	154
12.	Management Studies							99			10	109
13.	Mathematics					23					9	32
14.	Mechanical Engineering		136		56						16	208
15.	Metallurgical and Materials Engineering		74		60						17	151
16.	Physics				24	23					10	57
17.	Production Engineering		121		63					1	15	200
TOTAL		62	1081	24	614	93	112	99	25	2	213	2325

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 2020-21 are given below:

Sl. No.	DEPARTMENT	B. Arch.	B. Tech.	M. Arch.	M. Tech.	M.Sc.	MCA	MBA	MA	MS	Ph. D.	TOTAL
1.	Architecture	246		48							29	323
2.	Chemical Engineering		310		88						46	444
3.	Chemistry					46					62	108
4.	Civil Engineering		452		241					8	87	788
5.	Computer Applications				53		309				82	444
6.	Computer Science and Engineering		521		54	35				10	79	699
7.	CECASE									5	18	23
8.	Electrical and Electronics Engineering		487		102					4	88	681
9.	Electronics and Communication Engineering		498		109					15	113	735

10.	Energy and Environment				42					4	29	75
11.	Humanities and Social Sciences							20			54	74
12.	Instrumentation and Control Engineering		452		23					2	67	544
13.	Management Studies						197				58	255
14.	Mathematics					42					31	73
15.	Mechanical Engineering		498		100					20	129	747
16.	Metallurgical and Materials Engineering		282		115					2	81	480
17.	Physics				43	43				4	79	169
18.	Production Engineering		433		107					14	140	694
TOTAL		246	3933	48	1077	166	309	197	20	88	1272	7356

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

Sl. No.	Programme	SC	ST
1.	B. Tech.	508	257
2.	B.Arch.	39	20
3.	M. Arch.	7	2
4.	M.Tech.	152	68
5.	M.B.A.	29	7
6.	M.C.A	49	24
7.	M.A.	3	1
8.	M.Sc.	19	5
9.	Ph.D.	198	34
10.	MS	7	0
TOTAL		1011	418

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

5. 3. 2. B.Tech. / B.Arch. students on roll

Sl. No.	Department	I Year	II Year	III Year	IV Year	V Year	Total
1.	Architecture	62	57	47	39	41	246
2.	Chemical Engineering	84	89	69	69		311
3.	Civil Engineering	124	128	102	98		452
4.	Computer Science & Engineering	148	152	122	99		521
5.	Electrical & Electronics Engineering	135	141	107	104		487
6.	Electronics & Communication Engineering	143	144	108	103		498
7.	Instrumentation & Control Engineering	116	128	105	103		452
8.	Mechanical Engineering	136	140	117	105		498
9.	Metallurgical & Materials Engineering	74	82	65	61		282
10.	Production Engineering	121	122	96	94		433
TOTAL		1143	1183	938	875	41	4180

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

Sl. No.	Department / Discipline	I Year	II Year	Total
1.	Architecture (M.Arch.)			
	Energy Efficient and Sustainable Architecture	24	24	48
2.	Chemical Engineering			
	Chemical Engineering	24	23	47
	Process control & Instrumentation	22	19	41
3.	Civil Engineering			
	Transportation Engineering and Management.	28	23	51
	Structural Engineering	29	23	52
	Environmental Engineering	25	28	53
	Construction Technology and Management	30	30	60
	Geotechnical Engineering	25	-	25
4.	Computer Applications			
	Data Analytics	26	27	53
5.	Computer Science & Engineering			
	Computer science and Engineering	35	19	54
6.	Electrical & Electronics Engineering			
	Power Electronics	29	19	48
	Power Systems	31	23	54
7.	Electronics & Communication Engineering			
	Communication Systems	31	21	52
	VLSI System	32	25	57
8.	Instrumentation and Control Engineering			
	Industrial Automation	23	-	23
9.	Energy and Environment			
	Energy Engineering	21	21	42
10.	Mechanical Engineering			
	Industrial Safety and Engineering	24	25	49
	Thermal Power Engineering	32	19	51
11.	Metallurgical & Material Engineering			
	Materials Science and Engineering	23	19	42
	Welding Engineering	23	22	45
	Industrial Metallurgy	14	14	28
12.	Production Engineering			
	Industrial Engineering Management	31	22	53
	Manufacturing Technology	32	22	54
13.	Physics			
	Non - Destructive Testing	24	19	43
TOTAL		551	424	975

5. 3. 4. MBA Students on Roll

Sl. No.	Department	I Year	II Year	Total
1.	Management Studies / MBA	99	98	197

5. 3. 5. MCA Students on Roll

Sl. No.	Department	I Year	II Year	III Year	Total
1.	Computer Applications / MCA	112	110	87	309

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

Sl. No.	Department	I Year	II Year	Total
1.	Chemistry	26	20	46
2.	Computer Applications	21	14	35
3.	Physics	23	20	43
4.	Mathematics	23	19	42
TOTAL		93	73	166

5. 3. 7. M.A. Students on Roll

Sl. No.	Department	I Year	II Year	Total
1.	Humanities and Social Sciences	20	-	20

5. 3. 8. M.S. (by research) Students on Roll

Sl. No.	Department	2016	2017	2018	2019	2020	Total
1.	Chemical Engineering						0
2.	Civil Engineering	3	1	4			8
3.	Computer Science & Engineering	2	2	3	3		10
4.	Electrical & Electronics Engineering	4	5	4	2		15
5.	Electronics & Communication Engineering		2		2		4
6.	Instrumentation & Control Engineering		1			1	2
7.	Mechanical Engineering	8	5	6	1		20
8.	Metallurgical & Materials Engineering		1	1			2
9.	Physics	3			1		4
10.	Production Engineering	5	3	4	1	1	14
11.	Energy Engineering	2		1	1		4
12.	CECASE	5					5
Total		32	20	23	11	2	88

5. 3. 9. Ph.D. Students on Roll

Sl. No.	Department	2015	2016	2017	2018	2019	2020	Total
1.	Architecture	6	2	2	5	7	7	29
2.	Chemical Engineering	11	9	8	9	4	5	46
3.	Civil Engineering	15	11	18	14	12	17	87
4.	Computer Science & Engineering	10	8	11	16	16	18	79
5.	Electrical & Electronics Engineering	14	7	16	16	14	21	88
6.	Electronics & Communication Engineering	25	12	19	20	22	15	113
7.	Energy and Environment	4	5	6	2	6	6	29
8.	Instrumentation and Control Engineering	15	8	9	16	5	14	67
9.	Mechanical Engineering	24	32	24	21	12	16	129
10.	Metallurgical and Materials Engineering	19	12	11	10	12	17	81
11.	Production Engineering	24	27	29	26	19	15	140
12.	CECASE	10	2		1	5		18
13.	Management Studies	11	7	8	12	10	10	58
14.	Computer Applications	18	12	14	17	9	12	82

15.	Chemistry	12	10	7	12	11	10	62
16.	Physics	14	13	16	11	15	10	79
17.	Humanities and Social Sciences	3	4	13	7	16	11	54
18.	Mathematics			5	7	10	9	31
Total		235	181	216	222	205	213	1272

5. 4. CONVOCATION

The 16th Convocation of NIT, Tiruchirappalli was held on 7th November 2020. Padma Vibhushan Shri Azim Premji, Founder Chairperson, WIPRO Limited was the chief guest and delivered the Convocation Address. A total of 1777 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)

Sl. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Arch.	M.Tech.	M.Sc.	MCA	MBA	MS	Ph.D.	TOTAL
1.	Architecture	38	-	17	-	-	-	-	-	4	59
2.	Chemical Engineering	-	60	-	37	-	-	-	-	10	107
3.	Chemistry	-	-	-	-	19	-	-	-	9	28
4.	Civil Engineering	-	94	-	105	-	-	-	4	7	210
5.	Computer Applications	-	-	-	23	26	85	-	-	15	149
6.	Computer Science and Engineering	-	101	-	30	-	-	-	1	6	138
7.	Electrical and Electronics Engineering	-	97	-	49	-	-	-	3	9	158
8.	Electronics and Communication Engineering	-	104	-	51	-	-	-	2	17	174
9.	Energy and Environment	-	-	-	23	-	-	-	-	-	23
10.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	7	7
11.	Instrumentation and Control Engineering	-	92	-	-	-	-	-	1	9	102
12.	Management Studies	-	-	-	-	-	-	72	-	9	81
13.	Mathematics	-	-	-	-	-	-	-	-	-	-
14.	Mechanical Engineering	-	102	-	51	-	-	-	9	24	186
15.	Metallurgical and Materials Engineering	-	58	-	46	-	-	-	7	24	135
16.	Physics	-	-	-	23	22	-	-	-	7	52
17.	Production Engineering	-	95	-	51	-	-	-	6	16	168
TOTAL		38	803	17	489	67	85	72	33	173	1777

5. 4. 2. Convocation Prizes

The following are the details of prizes awarded to the students at the 16th Convocation:

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

Department	Roll No.	Name	CGPA
Electronics and Communication Engineering	108116107	Yashvanth L	9.84
Mechanical Engineering	111116089	Sridharsan K S	9.84

The Institute Medal 2020 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102116002	Akash Dharsan U S	9.67
Civil Engineering	103116094	Vishal Kumar	9.67
Computer Science and Engineering	106116084	Shivani Chander	9.63
Electrical and Electronics Engineering	107116001	Aaryan S Shah	9.72
Electronics and Communication Engineering	108116107	Yashvanth.L	9.84
Instrumentation and Control Engineering	110116031	G Vishaal	9.54
Mechanical Engineering	111116089	Sridharsan K S	9.84
Metallurgical and Materials Engineering	112116045	R Devi Janani	9.81
Production Engineering	114116055	Pratikshya Sahoo	9.59
	114116061	Reo Paul Jackson	9.59
Architecture	101115021	Md Haseen Akhtar	9.49

The Institute Medal 2020 for the overall Highest CGPA in M.Tech. and M. Arch.

Specialization	Roll No.	Name	CGPA
Chemical Engineering	202118005	Gandi Satish	9.31
Process Control and Instrumentation	202218010	Prabhu P	9.55
Transportation Engineering and Management	203118018	Priyadharshni B	9.67
Structural Engineering	203218027	Sneha Liya George	9.45
Environmental Engineering	203418023	Shradha Nair	9.61
Construction Technology and Management	203518028	V V G Sai Aditya	9.55
Data Analytics	205218015	Rallabandi Phani Raj	9.72
Computer Science and Engineering	206118004	Chithra	9.83
Power Systems	207118006	Devaraj S	9.44
Power Electronics	207218015	Naman Agrawal	9.73
Communication Systems	208118009	Kadimi Vinay Kumar	9.61
VLSI System	208218018	Nithin K S	9.79
Energy Engineering	202318012	Nijin V P	9.86
Industrial Safety Engineering	211218008	Jidhin. A	9.66
Thermal Power Engineering	211318015	More Bhavesh Raja Shaila	9.23
Welding Engineering	212118019	Salapu Sireesha Sai	9.31
Materials Science and Engineering	212218007	Karumuri Ratna Priyanka	9.22
Industrial Metallurgy	212318001	Amal C Abraham	9.26
Non-Destructive Testing	213118024	Susheel Patil	9.55
Manufacturing Technology	214118010	Karthikeyan R	9.73
Industrial Engineering and Management	214218011	Jagdhane Sahil Pramod	9.62
Energy Efficient and Sustainable Architecture	201118015	Sanjana R	9.58

The Institute Medal 2020 for the overall Highest CGPA in M.Sc.

Specialization	Roll No.	Name	CGPA
Chemistry	204118020	V Vidhya	9.78
Computer Science	216218025	Utsa Chattopadhyay	9.55
Physics	213218004	Ashutosh Kumar Singh	9.74

The Institute Medal 2020 for the overall Highest CGPA in MCA

Specialization	Roll No.	Name	CGPA
Computer Applications	205117002	Shaikha Khan	9.64

The Institute Medal 2020 for the overall Highest CGPA in MBA

Specialization	Roll No.	Name	CGPA
Management Studies	215118047	Shaarika Joanna P	9.69

5. 5. INSTITUTE DAY PRIZES

On the basis of academic performance, the following students were awarded Merit Prizes on the 58th edition of Institute Day 2021 held on 14th August 2021 through blended mode with limited dignitaries on the Dais. Professor Govindan Rangarajan, Director, Indian Institute of Science Bangalore, was the Chief Guest.

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

Batch	Rank	Roll Number	Name	CGPA
2015	1	101115008	CHIRASMITA DAS	9.41
2015	2	101115021	MD HASEEN AKHTAR	9.39
2015	3	101115024	NIKHIL SAINI	9.30
2016	1	101116009	BODAKUNTI SUNIL KUMAR	8.98
2016	2	101116040	SWEATHA R	8.88
2016	3	101116001	AARATI ANIL	8.72
2017	1	101117037	SRI AAKASH S	9.28
2017	2	101117026	R.ASHRUTHA HARSHINI	8.76
2017	3	101117046	V K JEEVAN KUMAR	8.74
2018	1	101118015	HRIDHAYA SUBRAMANIAM	9.26
2018	2	101118029	PRATYAY GHOSH	9.14
2018	3	101118033	R SNEHA	9.10
2018	3	101118036	SHIKHA PEGU	9.10
2019	1	101119036	NIHARIKA SAINI	9.50
2019	2	101119004	A NAVILAN	9.40
2019	3	101119031	MANAVI	9.26

B.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	102116002	AKASH DHARSAN U S	9.79
2016	2	102116026	S KOUSHIK	9.35
2016	3	102116049	SHANTHI BHUSHAN S	9.26
2017	1	102117016	DEEPTI KANNAN	9.91
2017	2	102117048	SHANKHA SUBHRA PAUL	9.62
2017	3	102117062	SUYASH SACHIN DAMIR	9.60

2018	1	102118008	ANUJ DASGUPTA	9.80
2018	2	102118037	MAYANK JHA	9.48
2018	3	102118030	JAYDEEP CHAWDA	9.33

B.Tech. / CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	103116094	VISHAL KUMAR	9.69
2016	2	103116035	KEDARISSETTI ASHRITHA	9.41
2016	3	103116098	YASHWANT	9.37
2017	1	103117031	C M K RAJSHRI	9.72
2017	2	103117097	TRISHLA VATS	9.71
2017	3	103117061	NANDINI GOPAN	9.27
2018	1	103118012	ASHUTOSH VERMA	9.46
2018	2	103118095	SUDHARSAN RATHNAKUMAR	9.40
2018	3	103118010	APARNA P	9.35

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	106116084	SHIVANI CHANDER	9.84
2016	2	106116016	BENEDICT FLORANCE A	9.45
2016	3	106116088	SHUBHENDRA PAL SINGHAL	9.37
2017	1	106117053	MOGALAPALLI HARSHIT	9.89
2017	2	106117043	L HARI NARAYANAN	9.84
2017	3	106117093	SNEHA SREEDHARA	9.74
2018	1	106118103	V AANANTH	9.62
2018	2	106118091	S PAVITHRA	9.49
2018	3	106118014	A PRANAV SHRIRAM	9.40
2018	3	106118036	HARSHIT AGRAWAL	9.40
2018	3	106118044	KHUSHALI ANIL PATEL	9.40
2018	3	106118083	R V S SATYANAND	9.40

B.Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	107116001	AARYAN S SHAH	9.43
2016	2	107116019	CHARULATHA N	9.23
2016	3	107116008	AMRITHA S B	9.09
2017	1	107117106	VISHESH BIYANI	9.57
2017	2	107117012	ANJULA MARY ANTONIS	9.31
2017	2	107117069	PAWAR SATYAM JAGDISH	9.31
2017	3	107117095	SHUBHABROTO MUKHERJEE	9.27
2018	1	107118025	CHAKRADHAR SAU	9.50
2018	2	107118100	S P SRINIDHI	9.49
2018	3	107118084	SANDIPAN ROY	9.48

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	108116107	YASHVANTH.L	10
2016	2	108116093	SWATTHI VIJAY SANKER	9.88
2016	3	108116067	RAJIV RAMACHANDRAN	9.85
2017	1	108117093	SHARAN CHANDRA	9.73

2017	2	108117079	RAMAPRAGADA KRISHNA SAI TARUN	9.65
2017	3	108117064	M PRANAV	9.63
2018	1	108118084	SAI MITHERAN J	9.94
2018	2	108118061	L P PRATHIK REDDY	9.78
2018	3	108118017	ARVINTH S	9.76

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	110116031	G VISHAAL	9.05
2016	2	110116066	RAGHAV BALAJI	9.00
2016	2	110116068	RAJU DEVANG BALRAJ	9.00
2016	3	110116074	SAKTHIVEL PALANI	8.97
2017	1	110117025	C SANJAY	10
2017	1	110117078	SHASHVAT JAYAKRISHNAN	10
2017	2	110117083	SIVASANGARAN V	9.57
2017	3	110117029	DHWANI SHAH	9.51
2018	1	110118043	MADHAVAN B S	9.76
2018	2	110118049	MIRIAM SANTHOSH KADAVAN	9.65
2018	3	110118066	R ARVIND	9.41
2018	3	110118104	V K VIEKASH	9.41
2018	3	110118097	VARRUN PILLAI S P	9.41

B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	111116089	SRIDHARSAN K S	9.71
2016	2	111116046	M NAARENDHARAN	9.51
2016	3	111116002	ADHITYA K	9.15
2017	1	111117064	PREMKUMAR S	9.41
2017	2	111117028	DARSHAN SONI	9.37
2017	3	111117013	ANMOL PANDA	9.33
2018	1	111118091	R SURYANARAYAN	9.94
2018	2	111118031	GIRISH A N	9.81
2018	3	111118017	BODDEDA NOOKA SATYA MUKESH PRANAY KUMAR	9.65

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	112116045	R DEVI JANANI	9.76
2016	2	112116051	SHUBHAM GUPTA	9.71
2016	3	112116049	SAMEER AMAN SALMAN	9.67
2017	1	112117034	PRAHNAOV A	9.62
2017	2	112117016	B.SUBISHA	9.55
2017	3	112117006	AKHILESH KUMARAN S	9.40
2018	1	112118004	ARCHITA V	9.87
2018	2	112118058	SURYARAO KIMAYA	9.85
2018	3	112118047	SATYAM	9.76

B.Tech. / PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2016	1	114116075	SHWETHA S KUMAR	9.71

2016	2	114116039	K THANUSHREE	9.68
2016	2	114116061	REO PAUL JACKSON	9.68
2016	3	114116045	M NIVEDITA	9.62
2017	1	114117064	POLA VAMSI RAHUL	9.68
2017	2	114117022	BODDEPALLI MANASA	9.62
2017	2	114117085	TAMIRI SURYA PRAKASH	9.62
2017	3	114117083	SUNANTHA M	9.59
2018	1	114118046	K MUTHU NARAYANAN	9.85
2018	2	114118030	C.SIVASUBRAMANIAN	9.61
2018	3	114118025	BALAKRISHNA T S	9.59

B.Tech. / I YEAR (2019)

Batch	Rank	Roll Number	Name	CGPA
2019	2	107119056	J SOUNDARYA	9.85
2019	1	111119011	ANIRUDH S	9.87
2019	3	114119036	GREESHWAR R.S.	9.80

M.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	202118005	GANDI SATISH	9.31
2018	2	202118001	AMRUTHA SATHYAN K	9.12
2018	3	202118002	ASHIK B S	9.08
2019	1	202119023	VADLANA DAVID RAJU	9.05
2019	2	202119010	GOLLAPALLI MANI VEERA SANTHOSHI	8.88
2019	2	202119011	JAGANATHAN J	8.88
2019	3	202119002	AMRUTHA C	8.76

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2018	1	202218010	PRABHU P	9.55
2018	2	202218009	MUTHU KRISHNAN C	8.48
2018	3	202218014	SIDHARTH	8.47
2019	1	202219010	HONRAO SHUBHAM NANDKUMAR	9.45
2019	2	202219012	KESAVKUMAR A	8.98
2019	3	202219003	AZEETH KUMAR M	8.85

M.Tech. / ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	202318012	NIJIN V P	9.86
2018	2	202318013	PRAFFUL AGRAWAL	9.68
2018	3	202318014	RAHUL R	9.27
2019	1	202319016	SANDEEP M	9.64
2019	2	202319001	ADHIL MUHAMMED A	9.19
2019	3	202319023	VASURAJAN B	9.07

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2018	1	203118018	PRIYADHARSHNI B	9.67
2018	2	203118011	JYOTHIS V LAL	9.52
2018	3	203118016	PELLAKURI SARATH CHANDRA	9.27
2019	1	203119001	ARDRA V H	9.71

2019	2	203119022	SUSAN FRANCIS	9.64
2019	3	203119002	AROHI MALVIYA	9.24

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	203218027	SNEHA LIYA GEORGE	9.45
2018	2	203218023	RAMKUMAR S	9.44
2018	3	203218008	DIVYA ROY S	9.29
2019	1	203219009	CHINNU S NAIR	9.60
2019	2	203219011	KUMMARIKUNTLA YASHWANTH	9.31
2019	3	203219018	SATULURI TARA KAMA KALYAN	9.14

M.Tech. / ENVIRONMENTAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	203418023	SHRADHA NAIR	9.61
2018	2	203418012	LEKSHMI MOHAN B	9.35
2018	3	203418001	AFEENA GULAM	9.33
2019	1	203419002	ANJU ANTONY	9.31
2019	2	203419013	K S SREELAKSHMI	9.26
2019	3	203419023	REVATHY SURESH	9.12

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2018	1	203518028	V V G SAI ADITYA	9.55
2018	2	203518021	RAMACHANDRAN A	9.36
2018	3	203518007	BHAVANA LEKSHMY M V	9.23
2019	1	203519012	GAMINI SRI VALLI	9.68
2019	2	203519004	ALOK KUMAR	9.05
2019	3	203519020	PRAGYA SAINI	8.95
2019	3	203519030	THIRUVASAGAM A	8.95

M.Tech. / DATA ANALYTICS

Batch	Rank	Roll Number	Name	CGPA
2018	1	205218015	RALLABANDI PHANI RAJ	9.72
2018	2	205218006	CHEEDELLA UPENDRA	9.50
2018	3	205218020	RONANKI SWAMY SRIHARSHA	9.39
2019	1	205219027	YAZHMOZHI V M	9.92
2019	2	205219003	ALLA VINEELA SAI	9.38
2019	3	205219012	DHARMESH SINGH	8.92

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	206118004	CHITHRA	9.83
2018	2	206118025	SUSHMITA KUMARI NISHAD	9.50
2018	3	206118016	NISHANT SWARUP	9.24
2019	1	206119017	SHREYA NARASIMHAN KL	9.60
2019	2	206119008	LEENA SINHA	9.07
2019	3	206119001	AMAN MAHANSARIA	8.76

M.Tech. / POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2018	1	207118006	DEVARAJ S	9.44
2018	2	207118027	VINNAKOTA PAVANI	9.27

2018	3	207118007	DEVARALA ROMIKA	9.25
2019	1	207119004	BHARATHY KANNAN M	9.42
2019	2	207119011	MULIK PRAFULKUMAR SANJAY	9.32
2019	3	207119002	BALWANI MAYURKUMAR RAJKUMAR	8.90
2019	3	207119014	PATIL GANESH ANIL	8.90

M.Tech. / POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2018	1	207218015	NAMAN AGRAWAL	9.73
2018	2	207218001	ADAPA SAI SIVANI	9.34
2018	3	207218022	SINCHITA MAITY	9.33
2019	1	207219016	RAYUDU SUPRIYA	9.20
2019	2	207219009	GUDHIPELA VEERANALLAIAH	9.15
2019	3	207219010	KODAVATI SAI CHARAN	8.88

M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2018	1	208118009	KADIMI VINAY KUMAR	9.61
2018	2	208118005	CHINTALA JYOTHIRMAI	9.59
2018	2	208118026	THOTA SASIREKHA	9.59
2018	3	208118004	CHEEMALA NAVEEN	9.33
2019	1	208119010	KALAVAGUNTA DILIP KUMAR	9.57
2019	2	208119013	MAMILLA VAASANTHA THUSHAARA	9.45
2019	3	208119017	PALLAPINTI TARAKESWARI	9.43

M.Tech. / VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2018	1	208218018	NITHIN K S	9.79
2018	2	208218012	KARRE NARESH	9.44
2018	3	208218003	ANUMULA TEJASWI	9.26
2019	1	208219010	KANDUKURU GOUSULU	9.52
2019	2	208219007	GUMPINA RAMA KRISHNA CHAITANYA	9.45
2019	3	208219006	GANNAVAPU VENKATESWARA RAO	9.31

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	211218008	JIDHIN. A	9.66
2018	2	211218005	C NIKITHA	9.05
2018	3	211218021	SANJU SUNDAR R	8.98
2018	3	211218022	SARATH M	8.98
2019	1	211219024	VIGNESH G	9.26
2019	2	211219001	AJIN C R	9.08
2019	3	211219017	PRABHALA KRISHNA BHARADWAJ	8.95
2019	3	211219018	PRAJWAL I NAIK	8.95
2019	3	211219022	SOORAJ SABU	8.95

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	211318015	MORE BHAVESH RAJA	9.23
2018	2	211318013	MANEESH PATEL	9.22
2018	2	211318016	NITIN SHARMA	9.22
2018	3	211318028	VISHVA DEEPAK	9.20

2019	1	211319005	ASWIN S KUMAR	9.42
2019	2	211319011	MOHAMMAD ARSHAD RAZA	9.22
2019	3	211319004	ARAVIND DINESH P	8.98

M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	212118019	SALAPU SIREESHA SAI	9.31
2018	2	212118015	NITESH BORKAR	9.08
2018	3	212118008	BIBISH B ANTONY	8.95
2019	1	212119012	MURUGAN E	9.37
2019	2	212119001	ADARSH A K	9.15
2019	3	212119007	FAZAL IBRAHIM	8.98

M.Tech. / MATERIAL SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2018	1	212218007	KARUMURI RATNA PRIYANKA	9.22
2018	2	212218012	RAMJI R	9.09
2018	3	212218002	DEEPAK V PILLAI	9.00
2019	1	212219004	ASHWIN M	9.49
2019	2	212219007	GADHAVAJHALA SRI SAI SAMHITHA	9.22
2019	3	212219014	PATALE RESHMA RAOSAHEB	9.12
2019	3	212219019	VANKAYALA SATYAM	9.12

M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2018	1	212318001	AMAL C ABRAHAM	9.26
2018	2	212318003	BHASKARAN K	9.00
2018	3	212318006	KRISHNAN S	8.91
2019	1	212319009	PEELA LASYA	9.39
2019	2	212319003	E C KARTHIKEYAN	9.22
2019	3	212319013	SRIGURU B	9.20

M.Tech. / NON DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2018	1	213118024	SUSHEEL PATIL	9.55
2018	2	213118006	ASHOKKUMAR T	9.50
2018	3	213118015	MUHAMED MUSTHAFA PULIKKAL	9.30
2019	1	213119021	SUDHANSHU PANDEY	9.70
2019	2	213119017	SAMARJIT NATH MAZUMDER	9.22
2019	2	213119024	VISHNU V GUPTHAN	9.22
2019	3	213119004	ASHWIN. N.P	9.05

M.Tech. / MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2018	1	214118010	KARTHIKEYAN R	9.73
2018	2	214118019	RAGUNATHAPRABHU S	9.67
2018	3	214118012	MATHEW JOHN	9.48
2019	1	214119010	KUMARESH D	9.56
2019	2	214119015	NIRMAL SHARMA	9.24
2019	3	214119018	PUTSALA VENKATA RAMANA	8.93
2019	3	214119020	RITESH ANAJEKAR	8.93

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2018	1	214218011	JAGDHANE SAHIL PRAMOD	9.62
2018	2	214218005	DEEPAK TYAGI	9.55
2018	3	214218018	PALAKOLLU VENKATA SAI ANURAG	9.48
2019	1	214219010	MOHAMMED SANJID	9.80
2019	2	214219019	SAURAF N	9.58
2019	3	214219017	SANDEEP P NAIR	9.27

M.Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2018	1	201118015	SANJANA R	9.58
2018	2	201118016	SINDHYA MEGNATH	9.18
2018	3	201118018	VIGNESH SAJEEV	9.15
2019	1	201119013	NUTHANA MANOHARAN	9.39
2019	2	201119006	JYOTI LUTHRA	9.36
2019	3	201119023	VEENA V DESHPANDE	9.06

MBA / MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2018	1	215118047	SHAARIKA JOANNA P	9.67
2018	2	215118059	VIJAYALAKSHMI N	9.06
2018	3	215118027	MIRIAM ANN PHILIP	9.00
2018	3	215118075	SUSHREE SUPRIYA PRIYA DARSINI	9.00
2019	1	215119096	VASANTHA G	9.60
2019	2	215119052	NAVYA KAUL	9.20
2019	3	215119042	KARTHICK M	9.16

M.Sc. / CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2018	1	204118020	V VIDHYA	9.90
2018	2	204118004	ASWIN CHANDRAN	9.17
2018	3	204118014	PALI MEHTA	9.03
2019	1	204119016	PRIYA GARG	9.39
2019	2	204119017	RENNY LOUIS ANTO M	9.11
2019	3	204119007	GAYATHRIDEVI S	8.92

M.Sc. / COMPUTER SCIENCE

Batch	Rank	Roll Number	Name	CGPA
2018	1	216218015	PAVITTHIRAA P	9.76
2018	2	216218025	UTSA CHATTOPADHYAY	9.24
2018	3	216218001	AKSHAYA E	9.21
2019	1	205319014	TRIPTY DUBEY	9.05
2019	2	205319004	CHESHTA KESHARI	9.00
2019	3	205319005	CHETNA SHARMA	8.92

M.Sc. / PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2018	1	213218013	M LAXMAN	9.57
2018	2	213218004	ASHUTOSH KUMAR SINGH	9.50
2018	3	213218016	RAVI KUMAR	9.39
2019	1	213219015	RISHABH KUMAR	9.16

2019	2	213219008	FADIYAH M	8.97
2019	3	213219012	MANISHA PATRO	8.92

M.Sc. / MATHEMATICS

Batch	Rank	Roll Number	Name	CGPA
2019	1	216119019	VIMAL KUMAR M	9.56
2019	2	216119015	SONU KUMARI	9.24
2019	3	216119016	SOURABH SINGH	9.03

MCA / COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2017	1	205117002	SHAIKHA KHAN	9.86
2017	2	205117024	KAMNA BUNDELA	9.55
2017	3	205117019	JITENDER YADAV	9.52
2018	1	205118079	SWEEKRITI SINGH	9.37
2018	2	205118032	KUNDAN THAKARE	9.21
2018	3	205118062	SAHIL GOEL	9.18
2019	1	205119063	NITISH KUMAR RATHOUR	9.47
2019	2	205119019	ARIHANT BANTHIA	9.37
2019	3	205119106	TWINKLE AGARWAL	9.29

5. 5. 2. Endowment Awards

Sl. No.	Name of the award	Roll No	Name
1.	Smt.G.S.Raja Lakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering.	102117016	DEEPTI KANNAN
		102117062	SUYASH SACHIN DAMIR
		102117066	UPAMANYU PATTNAIK
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.	103117031	C M K RAJSHRI
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101116009	BODAKUNTI SUNIL KUMAR
4.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213119021	SUDHANSHU PANDEY
5.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107117069	PAWAR SATYAM JAGDISH
6.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	108116107	YASHVANTH.L
		110117078	SHASHVAT JAYAKRISHNAN
		110117025	C SANJAY
7.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108117064	M PRANAV
8.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	106119089	NITIN GUPTA
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110117078	SHASHVAT JAYAKRISHNAN
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110117029	DHWANI SHAH

11.	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215119096	VASANTHA G
12.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215119042	KARTHICK M
13.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108117064	M PRANAV
14.	Karthik S Memorial Award for the First Rank Holder upto VII semester in B.Tech. Production Engineering.	114117064	POLA VAMSI RAHUL
15.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder upto VII semester in B.Tech. ECE	108117064	M PRANAV
16.	Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester M.Tech. Industrial Safety Engineering.	211219001	AJIN C R
17.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	111119005	ABHISHEK S SHARMA
18.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112117034	PRAHONAOV
19.	Dr.T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc. Physics in I and II Semester	213219015	RISHABH KUMAR
20.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108118084	SAI MITHERAN J
21.	Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture	101116009	BODAKUNTI SUNIL KUMAR
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular Architecture	101118006	DHANYASRI SAKTHIVEL RAJA
23.	S J Chainulu medal of Excellence (For the First Rank Holder in the First year)		
	1. Chemical Engineering	102119057	PRANAV SRIDHAR K
	2. Civil Engineering	103119004	ABHISHEK VIJAYAN
	3. Computer science and Engineering	106119041	G PAVITHRA
	4. Electrical and Electronics Engineering	107119056	J SOUNDARYA
	5. Electronics and Communication	108119010	ANIKET KAMAL BHATIA
	6. Instrumentation and Control Engineering	110119002	AATHITHYAN.K.K
	7. Mechanical Engineering	111119011	ANIRUDH S
	8. Metallurgical and Materials Engineering	112119033	HARSHINEE MURALI
	9. Production Engineering	114119036	GREESHWAR R.S.
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215120066	NIVEDHA RACHEL SAJU

25.	Prof.K.S.Pandey memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 th Semester and also be active in sports activities)	112117057	VENONSHYA
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	112118058	KIMAYA SURYARAO
27.	Best outgoing student of MME M/s.Chennai Metco Pvt. Ltd Chennai.	112117016	SUBISHA
28.	Anjali Surendran Endowment Award for the best out-going undergraduate student from Production Engineering Department	114117064	POLA VAMSI RAHUL
29.	Best NCC Cadet	110117069	RISHABH VERMA
30.	Dr.S.H. Ibrahim memorial award for the Best Outgoing student in B.Tech. Chemical Engineering	102117069	TEJA VENKATESA PERUMAL
31.	Dr.S.H. Ibrahim Memorial Award For Best Student in the Field of 'Mass Transfer' in Chemical Engineering for the year 2020-2021	102117016	DEEPTI KANNAN
32.	RECT'78 Alumni Medal For The Best Outgoing Girl Student	111117013	ANMOL PANDA

5. 5. 3. Alumni Awards

B.Tech. / B.Arch.

Sl.No.	Department	Roll No.	Name	CGPA
1.	Architecture	101116040	SWEATHA R	8.71
2.	Chemical Engineering	102117016	DEEPTI KANNAN	9.77
3.	Civil Engineering	103117031	C M K RAJSHRI	9.66
4.	Computer Science and Engineering	106117043	L HARI NARAYANAN	9.78
5.	Electrical and Electronics Engineering	107117106	VISHESH BIYANI	9.78
6.	Electronics and Communication Engineering	108117064	M PRANAV	9.74
7.	Instrumentation and Control Engineering	110117078	SHASHVAT JAYAKRISHNAN	9.94
8.	Mechanical Engineering	111117058	MANU AATITYA R P	9.40
9.	Metallurgical and Materials Engineering	112117034	PRAHNAOV A	9.58
10.	Production Engineering	114117064	POLA VAMSI RAHUL	9.66

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

S.No.	Dept./Specialization	Roll No.	Name	CGPA
1.	Architecture			
	Energy Efficient and Sustainable	201119013	NUTHANA MANOHARAN	9.54

	Architecture			
2.	Chemical Engineering			
	Chemical Engineering	202119023	VADLANA DAVID RAJU	9.04
	Process Control and Instrumentation	202219010	HONRAO SHUBHAM NANDKUMAR	9.35
3.	Energy and Environment			
	Energy Engineering	202319016	SANDEEP M	9.52
4.	Civil Engineering			
	Transportation Engineering and Management	203119022	SUSAN FRANCIS	9.72
	Structural Engineering	203219009	CHINNU S NAIR	9.69
	Environmental Engineering.	203419003	APARNA VS	9.26
	Construction Technology and Management	203519012	GAMINI SRI VALLI	9.75
5.	Computer Science and Engineering			
	Computer Science and Engineering	206119017	SHREYA NARASIMHAN KL	9.46
6.	Electrical and Electronics Engineering			
	Power Systems	207119004	BHARATHY KANNAN M	9.56
	Power Electronics	207219016	RAYUDU SUPRIYA	9.38
7.	Electronics and Communication Engineering			
	Communication Systems	208119010	KALAVAGUNTA DILIP KUMAR	9.67
	VLSI System	208219010	KANDUKURU GOUSULU	9.63
8.	Mechanical Engineering			
	Industrial Safety Engineering	211219001	AJIN C R	9.29
	Thermal Power Engineering	211319005	ASWIN S KUMAR	9.33
9.	Metallurgy and Materials Engineering			
	Welding Engineering	212119012	MURUGAN E	9.51
	Materials Science and Engineering	212219004	ASHWIN M	9.38
	Industrial Metallurgy	212319009	PEELA LASYA	9.30
10.	Production Engineering			
	Manufacturing Technology	214119010	KUMARESH D	9.63
	Industrial Engineering and Management	214219010	MOHAMMED SANJID	9.67
11.	Physics			
	Non Destructive Testing (M.Tech.)	213119021	SUDHANSHU PANDEY	9.54
	Physics (M.Sc.)	213219015	RISHABH KUMAR	9.11
12.	Chemistry			
	Chemistry (M.Sc.)	204119016	PRIYA GARG	9.54
13.	Mathematics			
	Mathematics (M.Sc.)	216119015	SONU KUMARI	9.25
14.	Management Studies			
	Master of Business Administration	215119096	VASANTHA G	9.45
15.	Computer Applications			
	Data Analytics (M.Tech.)	205219027	YAZHMOZHI V M	9.94
	Master of Computer Applications	205118079	KM SWEEKRITI SINGH	9.44
	Computer Science (M.Sc.)	205319014	TRIPTY DUBEY	9.12

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

Sl.No.	Name of the award	Roll No.	Name
1.	Overall Outstanding Student of the Year	111117102	VENKA SUBRAMANIAN RM
2.	Anand Chidambaram Memorial Award	102117005	ANANTHANARAYANAN POTTI S
3.	Outstanding Sportsman	110117037	JAYENDHRA SHIVA
4.	Outstanding Sportswoman	107117078	PURNIMA UNNIKRISHNAN

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 Faculty	Publications (CY: 2020)		Publications in Q1 Journal Quartile by SJR*
		Web of Science	Scopus	
1.	Architecture	7	6	0
2.	Chemical Engineering	70	63	50
3.	Chemistry	72	59	39
4.	Civil Engineering	68	86	30
5.	Computer Applications	49	72	12
6.	Computer Science Engineering	55	83	17
7.	Electrical and Electronics Engineering	41	68	25
8.	Electronics and Communication Engineering	87	123	17
9.	Energy and Environment	13	15	8
10.	Humanities and Social Sciences	17	25	8
11.	Instrumentation and Control Engineering	26	48	17
12.	Management Studies	21	18	8
13.	Mathematics	32	30	4
14.	Mechanical Engineering	69	102	31
15.	Metallurgical and Materials Engineering	67	69	28
16.	Physics	74	87	31
17.	Production Engineering	78	113	24
Total		846	1067	349

(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 2020-21

S. No.	Departments	Sponsored Projects		Consultancy (in Lakhs)	Revenue through short term courses (in Lakhs)
		Nos.	Values (in Lakhs)		
1.	Chemical Engineering	1	9.10	11.80	1.07
2.	Chemistry	-	-	-	0.73
3.	Civil Engineering	1	72.31	166.95	0
4.	Computer Applications	-	-	35.87	1.31
5.	Computer Science Engineering	2	28.27	-	0.03
6.	Electrical and Electronics Engineering	3	157.5	-	1.42
7.	Electronics and Communication Engineering	3	48.12	1.35	0.01
8.	Energy and Environment	-	-	3.3	0.18
9.	Instrumentation and Control Engineering	1	14.54	-	-
10.	Management Studies	-	-	-	2.81
11.	Mathematics	-	-	0	0.67
12.	Mechanical Engineering	-	-	1.80	0.28
13.	Metallurgical and Materials Engineering	3	141.93	0.09	0.26
14.	Physics	0	0	0	0.32
15.	Production Engineering	-	-	6.02	0.75
16.	Siemen Centre of Excellence	-	-	29.17	-
Total		15	471.77	256.34	9.84

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

5. 6. 3. Details of Sponsored projects for the Financial year 2020-21

S. No.	Name of PI/ Co-PI	Department	Title of the Project	Funding Agency	Sanctioned amount (Rs.)	Sanctioned Date
1.	Dr. Ezhilarasi D	Instrumentation and Control Engineering	Design of sliding mode controller for biped walking	DRDO - CARS	1453930	13.03.2020
2.	Dr. N. Ramesh Babu	Metallurgical and Materials Engineering	'Development of high strength and low young modulus, bioactive and antibacterial porous titanium structure for orthopedic implants'	DST	3645062	14.10.2020
3.	Dr. C. Mala	Computer Science Engineering	Design and development of algorithms for	DRDO - CARS	997000	30.01.2020

			underwater target classification employing data augmentation and incremental learning			
4.	Dr. Sudharsan P	Electronics and Communication Engineering	Analysis of aerial intelligent reflecting surfaces for application in 6G wireless system	SICI-SICRG	1000000	27.11.2020
5.	Mentor Dr. K. Sivaprasad PI Dr. Prabhukumar	Metallurgical and Materials Engineering	SERB-TARE Grant	SERB-TARE	1830000	02.12.2020
6.	Mentor Dr. G. Saravana Ilango PI Dr. Kamalesh MS	Electrical and Electronics Engineering	SERB-TARE Grant	SERB-TARE	1830000	07.12.2020
7.	Mentor Dr. D. Sriram Kumar PI Dr. Balamurugan	Electronics and Communication Engineering	SERB-TARE Grant	SERB-TARE	1830000	04.12.2020
8.	Dr. S. Senthil kumar	Electrical and Electronics Engineering	MEITY		8376000	28.05.2020
9.	Dr. V. Sunitha	Civil Engineering	Evaluation of pavement performance of coir reinforced rural roads in Tamilnadu	COIR BOARD	72,31,000	05.02.2021
10.	Dr. E. S. Gobi	Electronics and Communication Engineering	Hunting representative sensors and constructing regression model between sensor outcomes using ML	GTRE-DRDO	1982068	10.02.2021
11.	Mentor Dr. C. Mala	Computer Science Engineering	SERB-TARE Grant	SERB-TARE	1830000	03.12.2020
12.	Dr. S. Kumaran	Metallurgical and Materials Engineering	Development of oxide dispersion strengthened tungsten heavy alloys: study their structure-property relation	DRDO	8717744	26.02.2021

13.	Dr. S. Moorthi	Electrical and Electronics Engineering	'Wireless sensor node for online data transfer of parameters from electrical machines and drives"	MEITY	5544000	28.05.2020
14.	Dr. N. Samsudeen	Chemical Engineering	Development of Graphene based nanomaterials for bioelectricity generation through tannery wastewater treatment using microbial fuel cell	DST	910000	05.11.2020

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

5. 6. 4. Patents Published in the calendar year 2020

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Thermomagnetic temperature Indicator and Method Thereof	Dr. R. Justin Joseyphus	Physics	202041005420
2.	System For Thermal Response Enhancement of Phase Change Materials of Energy Storage and Method Thereof	Dr. Sivan Suresh	Mechanical Engineering	202041028529
3.	A Mold For Casting Previous Concrete and Method Thereof	Dr. K. Muthukkumaran	Civil Engineering	202041011873
4.	An Elasto plastic Deformation Processing Tool and Method Thereof	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	202041006504

Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 5. Patents granted in Calendar year 2020

S. No.	Title of Invention	Inventors	Department	Patent No.
1.	Method for Preparing Ibuprofen Crystals using a Green Solvent and Product Thereof	Dr. T. K. Radhakrishnan Dr. P. Kalaichelvi	Chemical Engineering	201741033366
2.	A method to prevent synergetic action of erosion and corrosion in storm water control pumps	Dr. S. Natarajan Dr. S. P. Kumaresh Babu	Metallurgical and Materials Engineering	5145/CHE/2014

Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 6. Faculty Awards for the year 2020-2021

Best Performance in Teaching, Research and Institutional Development

ARCHITECTURE			
S. No.	Category	Name of the Faculty	Department
1.	Associate Professor	Dr. K. Thirumaran	Architecture
CIRCUIT BRANCHES			
S. No.	Category	Name of the Faculty	Department
1.	Professor	Dr. P.J.A. Alphonse	Computer Applications
2.		Dr. P. Palanisamy	Electronics and Communication Engineering
3.		Dr. C. Mala	Computer Science and Engineering
4.	Associate Professor	Dr. S. Domnic	Computer Applications
5.	Assistant Professor (Grade I)	Dr. B. Janet	Computer Applications
6.		Dr. U. Srinivasulu Reddy	Computer Applications
7.		Dr. S. Sangeetha	Computer Applications
8.		Dr. M. Brindha	Computer Science and Engineering
9.	Assistant Professor (Grade II)	Dr. Shiraz Sohail	Instrumentation and Control Engineering
10.		Dr. P. Sudharsan	Electronics and Communication Engineering
11.		Dr. A. Santhana Vijayan	Computer Science and Engineering
NON-CIRCUIT BRANCHES			
S. No.	Category	Name of the Faculty	Department
1.	Professor	Dr. S. T. Ramesh	Civil Engineering
2.		Dr. S. P. Sivapirakasam	Mechanical Engineering
3.		Dr. M. Durai selvam	Production Engineering
4.	Associate Professor	Dr. S. Suresh	Mechanical Engineering
5.		Dr. N. Siva Shanmugam	Mechanical Engineering
6.		Dr. S. Vinodh	Production Engineering
7.	Assistant Professor (Grade I)	Dr. V. Sunitha	Civil Engineering
8.	Assistant Professor (Grade II)	Dr. S. Marisamynathan	Civil Engineering
9.		Dr. R. Senthil Kumar	Civil Engineering
10.		Dr. K.S.S. Harish	Mechanical Engineering
SCIENCES			
S. No.	Category	Name of the Faculty	Department
1.	Professor	Dr. S. Anandan	Chemistry
2.		Dr. N. Gopalakrishnan	Physics
3.	Associate Professor	Dr. S. Manivannan	Physics
4.		Dr. A. Sreekanth	Chemistry
5.	Assistant Professor (Grade II)	Dr. Ganesh Chandra Nandi	Chemistry

MANAGEMENT STUDIES & HUMANITIES AND SOCIAL SCIENCES			
S. No.	Category	Name of the Faculty	Department
1.	Professor (HAG)	Dr. M. Punniyamoorthy	Management Studies
2.	Associate Professor	Dr. V. Sathyaraj	Humanities and Social Sciences
3.	Assistant Professor (Grade II)	Dr. B. Janarthan	Management Studies
4.		Dr. Malolan Sundararaman	Management Studies

5. 6. 7. Budding Researcher Award for the year 2020-2021

Ph.D. Research scholars:

S. No	Name	Roll Number	Department
1.	A. Sethupathy	402115053	Chemical Engineering
2.	M. Krishnaveni	404117053	Chemistry
3.	M. Musthafa	404114051	Chemistry
4.	P. Vasanthakumar	404115010	Chemistry
5.	P. Chandru	403117002	Civil Engineering
6.	V. Anusudha	403117006	Civil Engineering
7.	Gerard Deepak	406118007	Computer Science and Engineering
8.	Madichetty Sreenivasulu	406116004	Computer Science and Engineering
9.	E. Silambarasan	405116005	Computer Applications
10.	B. Pradeep Kumar	407115001	Electrical and Electronics Engineering
11.	Gadipudi Amaranageswarao	408117004	Electronics and Communication Engineering
12.	Chinmay Murali	409117004	Humanities and Social Sciences
13.	Sudhir Singh	416117005	Mathematics
14.	Cyril Reuben Raj	411117051	Mechanical Engineering
15.	A. Rajesh Kannan	411116056	Mechanical Engineering
16.	Anoop Sunny	413117002	Physics

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 Metallurgical and Materials Engineering

Non-Engineering Discipline:

Department of Physics

In addition, Department of Chemical Engineering (in engineering discipline) 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 3rd, 4th and 5th year.

6.1.3. Scholarship Details

Central Government Scholarship:

S. No.	Name of Scholarship	Scholarship
1	Central Sector Scholarship scheme of top-class education for SC Students (Implemented by Ministry of Social Justice and Empowerment, Govt. of India)	Rs. 59,820
2	Central Sector Scholarship scheme of top-class education for ST Students (Implemented by Ministry of Tribal Affairs)	Rs. 59,820
3	National Scholarship for persons with disabilities (Ministry of Social Justice and empowerment, Government of India), Trust Fund	Rs. 40,600
4	Prime Minister's Scholarship Scheme	Rs. 2,000/- per month for boys Rs. 2,250/- per month for girls
5	Rajiv Gandhi National Fellowship	Rs. 8,000/- per month (Ph.D.)
6	UGC Scholarship	Rs. 25,000/- per month (Ph.D.)
7	Swami Dayananda Foundation Scholarship	Rs. 1,00,000/- per annum
8	National Talent Search Scheme, New Delhi	Rs. 2,000/- per month
9	National Handicapped Finance & Development Corporation, New Delhi	Decided by the Trust

State Government Scholarship:

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 st & 2 nd year Rs. 12,000/- 3 rd & 4 th 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 2020-2021 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.	88	1952	-
2	B.Arch.	2	150	-
3	M.Tech, M.Arch, M.Sc., and MBA	5	812	-
4	MCA	0	73	-
5	MA	0	4	-

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.

M.Tech. during 2020-2021:

S. No.	Department	No. of Students in M.Tech.
1.	Electronics and Communication Engineering	2
2.	Mechanical Engineering	1

Ph.D. during 2020-2021:

S. No.	Department	No. of Scholars in Ph.D.
1.	Computer Science and Engineering	6
2.	Electrical & Electronics Engineering	7
3.	Electronics and Communication Engineering	2
4.	Instrumentation and Control Engineering	3
5.	Mechanical Engineering	2
6.	Metallurgical and Materials Engineering	3
7.	Production Engineering	4

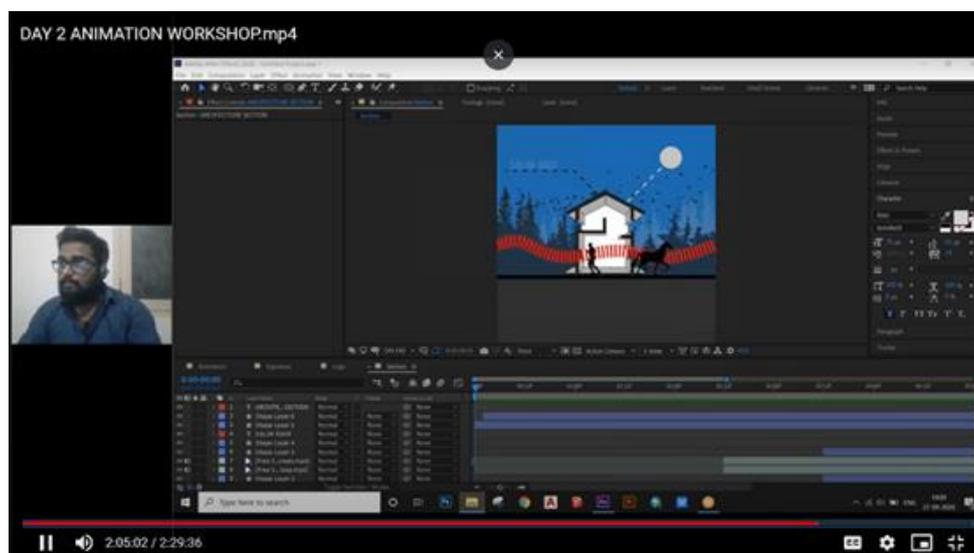
7. DEPARTMENTS

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 UG programme (B.Arch.), one PG programme (M.Arch. in Energy Efficient & Sustainable Architecture), & research programme (Ph.D.) in Architecture & allied fields. The department is well recognized as one of the top institutions offering Architecture education & ranked 8th position in the NIRF. The facilities of the department include a separate computer lab for UG & PG students with all required software, Building science laboratory, Model making workshop, Department library, Construction yard & Materials museum. The faculty members are carrying out architectural consultancy works, and involved in research & published research papers in national & international journals as well as presented papers in international conferences. Even during the pandemic situation, academicians, practicing architects, & industry experts as guest faculty & external reviewers were invited through virtual platforms to impart practical knowledge to the students. With the efforts, dedication, & tremendous hard work by the internship batch of B.Arch. students, all of them placed in very reputed firms all over India. Archcult 2021 has transformed into a fantabulous event that was conducted virtually due to the prevailing pandemic situation. The students along with the faculty advisor, Prof. Amalan Kaushik had planned a unique series of workshops. As it was an online event, this allowed International students to attend & be part of the workshop. Around 1000 participants attended the workshop & made it a great success & a memorable event.

Summary (AY 2020 - 21)

S.No.	Details	Total Nos.	
1.	Articles (WoS / Scopus)	6 / 7	
2.	No. of books / books chapters published	Books	Book chapters
		1	1
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	2
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	300
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	3
6.	Guest Lectures	Delivered	Organized
		1	Nil
7.	Ph.D. graduation details	Regular	Part Time
		1	3



ARCHCULT 2021 from 01.10.2021 to 03.10.2021

7.2. CHEMICAL ENGINEERING

The Department of chemical engineering was established in the year 1967. Our department has grown up in all possible directions over the period of 50 years. In connection with our golden jubilee celebration, an annexure building has been newly constructed with two floors to accommodate the increased student strength and also to expand the research facilities. The faculty strength of our department is 19 and having wide range of specializations to strengthen the teaching learning and research activities of the department. Apart from teaching and research, most of our faculty are supporting the Institute Administration through various administrative roles. The department in-house a well-established Process Simulation lab with softwares ASPEN PLUS, CFD and Matlab. The Department is supported by research funding through various schemes including DST-FIST. The department has been involved in in-house sanitizer production. The department conducted an International conference funded by SICI through mixed mode. One of the patents filled by our faculty got granted this year. The department is honored by PMRF awarded to M.A.Sundaramahalingam of our department. Students have been actively participating in various online conferences through presentations even during this pandemic period. The faculty of chemical engineering department have been interacting with research community of national and international levels through various invited talks. The department is proud to share that Mr. Shivam Nagi and Mr. Ananthanarayanan Potti of final year B.Tech. (Chemical Engineering) secured AIR 8 and 220 respectively in GATE 2021.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.		
1.	Articles (WoS / Scopus / Q1 journals)	70 / 63 / 50		
2.	No. of books / books chapters published	Books	Book chapters	
		-	5	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		1	9.10	
4.	No. of Patents	Filed	Published	Granted
		1	-	1
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		-	1	
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		16	39	
7.	Guest Lectures	Delivered	Organized	
		43	----	
8.	Ph.D. graduation details	Regular	Part Time	
		8	---	



Inauguration of Golden Jubilee Building at Chemical Engineering Department on 20th October 2020



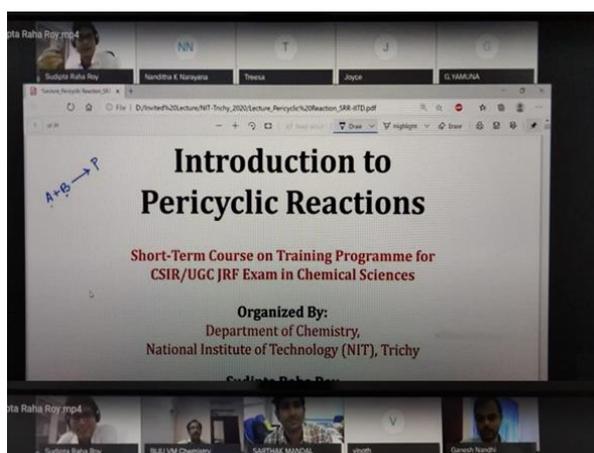
International Conference on RTAMGESE Sponsored by Shastri Indo-Canadian Institute (SICI) during March 12th & 13th, 2021

7.3. CHEMISTRY

Department of Chemistry trains about 1000 B.Tech. students per Year in branch specific Engineering Chemistry course. About 58 M.Sc. students and 60 research scholars specializing in Chemistry benefit from the advanced and varied research facilities available in the Department. The Department has the state of art Research labs (9 Nos), M.Sc. Labs (4 Nos.) and B.Tech. Labs (2 Nos.). The faculty members and the research scholars regularly publish their research findings in high impact journals. In the current year, 77 research papers, 7 book chapters are published and 4 research scholars have successfully defended their thesis. A National level students' symposium titled, "HORIZON" is conducted annually by the Post graduate students of Chemistry Department showcasing the academic, extracurricular and event managerial talents of the students, providing valuable platform for the students from other Institution to interact with the subject and research experts. Lot of foreign professors visit department of chemistry often.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
		1.	Articles (WoS / Scopus / Q1 journals)
2.	No. of books / books chapters published	Books	Book chapters
		-	7
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		1	1
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		3	2
5.	Guest Lectures	Delivered	Organized
		33	
6.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		3	260 Lakhs
7.	Ph.D. graduation details	Regular	Part-Time
		4	-



Short term course On training programme for CSIR/UGC JRF exam in chemical sciences 14th – 18th September 2020



International E-workshop on Electronic structure theory and application to chemical system 2nd – 6th November, 2020

7. 4. CIVIL ENGINEERING

Civil Engineering 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 1 UG & 4 PG regular programmes. The department also offers L&T sponsored M.Tech. programme on Construction Management & Technology under Build India Scholarship programme of L & T Ltd, Chennai. At the moment more than 80 research scholars are carrying out Ph.D. & MS research studies. The department is backed by highly qualified & experienced faculty & our faculty members are very active in Teaching, research, industrial projects, & consultancy activities. The Wave Flume Facility in the department was inaugurated on 26th January 2021 celebrations which would facilitate world-leading research & innovation in the field of offshore & coastal engineering. The department has excelled with prestigious awards & fellowships received by the faculty & students. Many faculties received sponsored research projects for over 1.5 crores from various agencies such as TSAMRC, Coir Board, Govt. of India, NHAI, etc. The consultancy services are rendered by various government agencies such as CIAL, AAI, Indian Railways & state government organizations. Our Students are able to get internship in leading Indian Institutes such as IIT's, IISc, & other prominent industries, & also received prestigious fellowships.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.		
1.	Articles (WoS / Scopus / Q1 journals)	68 / 86 / 30		
2.	No. of books / books chapters published	Books	Book chapters	
		-	12	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		1	72.31	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		47	166.95	
5.	No. of Patents	Filed	Published	Granted
		1	1	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		8	2	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		22	14	
8.	Guest Lectures	Delivered	Organized	
		81	2	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	2	
10.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		5	70.89	
11.	Ph.D. graduation details	Regular	Part Time	
		6	-	



Inauguration of Wave Flume Facility on 26th January 2021



Dr. Darshana O Receiving Young Women Engineer Award on 11th March 2021

7. 5. COMPUTER APPLICATIONS

The Department of Computer Applications, since its inception has pioneered in Information Technology by offering courses such as Master of Computer Applications (MCA), Master of Science (M.Sc.) in Computer Science and M.Tech. in Data Analytics. With fourteen regular faculty members the department is actively involved in research through funded research projects like NRB-DRDO, DRDO, CDAC Trivandrum, Project Management Consultancy, etc. The faculties have conducted eight workshops. Organized three guest lectures and have published seven book chapters.

Summary (AY 2020 - 21)

Sl.No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	49 / 72 / 12	
2.	No. of books / books chapters published	Books	Book chapters
		-	6
3.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		-	35.87
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		8	-
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	18
6.	Guest Lectures	Delivered	Organized
		29	3
7.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	-
8.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		-	Lakhs



Work Shop on “Effective Online Teaching Learning Strategies” during 26th to 31st May 2020

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. Five faculty members joined the department in the academic year 2020 – 2021 at the Assistant Professor Grade II level and making the total faculty strength of the department as 21. The department has proven its excellence in research by publishing 90 papers in reputed journals and conferences that are indexed in prestigious databases like SCI, Scopus, IEEE, etc for the year 2020 - 2021. Besides publications, the department faculty has also filed patents. The faculty and students of the department have received awards and fellowships. The department association (CSEA) has conducted VORTEX, a technical symposium and has arranged workshops and guest lectures from reputed industries and organizations.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.		
1.	Articles (WoS / Scopus / Q1 journals)	55 / 83 / 17		
2.	No. of books / books chapters published	Books	Book chapters	
		3	6	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	28.27	
4.	No. of Patents	Filed	Published	Granted
		-	1	-
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		4	-	
6.	Guest Lectures	Delivered	Organized	
		10	-	
		-	-	
7.	Ph. D graduation details	Regular	Part Time	
		4	3	



Technical session by Prof. K.Chandrasekaran during the Online Faculty Development Programme on Smart Grid Features and Blockchain Technology for Smart Grid on 9th November 19, 2020 (WebEx Meetings)



Presidential address by Prof.N. Kumaresan, IEEE SB Advisor & Dean (Student Welfare), at Inaugural Ceremony of IEEE Computer Society Chapter on 29th June 2020

7.7. ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering, NIT, Tiruchirappalli was started in the year 1964. It offers one Under-Graduate programme (B.Tech.), two Post-Graduate programmes (M.Tech. in Power Systems and Power Electronics) and also research programmes (M.S. and Ph.D.) in the various fields of Electrical and Electronics Engineering. The department has proven its excellence in research by publishing papers in the highly reputed journals and transactions and also filing patents in the new findings. The reputed POSOCO award is received by our students every year right from its inception and also the Prestigious Prime Minister's Research Fellowship (PMRF) was received by one student this year. The sponsored projects are obtained for over 1 crore and several project proposals are in pipeline for approval.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	41 / 68 / 25	
2.	No. of books / books chapters published	Books	Book chapters
		-	5
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		3	157.5
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		12	-
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	9
6.	Guest Lectures	Delivered	Organized
		23	
7.	Ph.D. graduation details	Regular	Part Time
		2	1



EEE Association Inauguration 20-21 by Mr.Saji S, Senior Vice President, HVDC Manager India at Hitachi-ABB Power grids on 30th December 2021



Currents' 21 with Chief guest Dr.Nambi Seshadri, Professor of Electrical and Computer Engg., University of California, San Diego on 26th February 2021

7. 8. ELECTRONICS AND COMMUNICATION ENGINEERING

The ECE Department which is well established, continued its elegance and mastery in Academic, Research and all other co-curricular activities in this year also. The first International ONLINE workshop (Conference) at National Institute of Technology Tiruchirappalli was organized by Department of Electronics and Communication Engineering, National Institute of Technology Tiruchirappalli. The Scheme for Promotion of Academic and Research Collaboration (SPARC) Sponsored Two Weeks Workshop on “Recent Trends on Metamaterial Antennas for Wireless Applications and Deep Learning Techniques” was also conducted. One Indian Patent was Published and One US patent filed in the current academic year. The sponsored projects to the tune of Rs.151.11068 Lakhs has been sanctioned.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	87 / 123 / 17	
2.	No. of books / books chapters published	Books	Book chapters
		-	12
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		3	48.12
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		-	1.35
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		-	2
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		5	33
7.	Guest Lectures	Delivered	Organized
		35	-
8.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	1
9.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		5	35.71315
10.	Ph.D. graduation details	Regular	Part Time
		11	1

SCREEN SHOTS TAKEN DURING THE VIRTUAL EVENT MDCWC 2020 CONDUCTED DURING 22 to 24 OCTOBER 2020

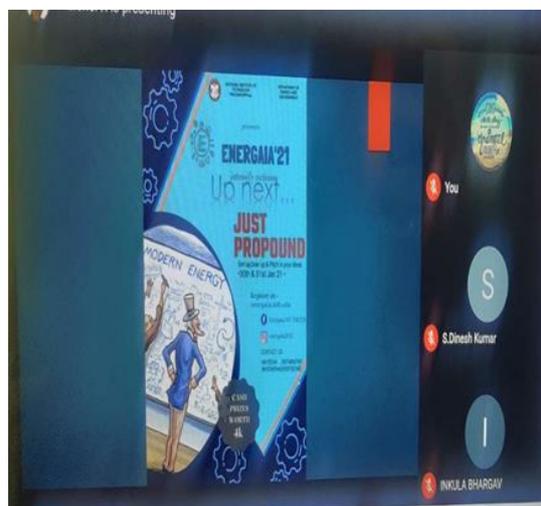
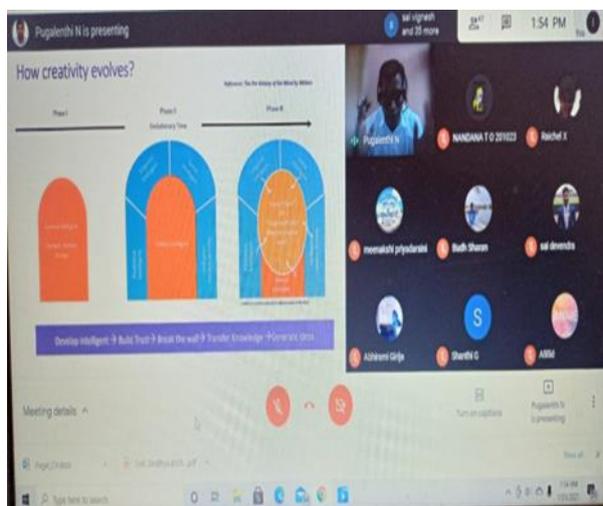


7. 9. ENERGY AND ENVIRONMENT

Department of Energy and Environment (DEE), formerly, Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (present-day NITT) in 1995, under the auspices of UK – India RECs Project: Energy Theme. DEE is housed in an energy efficient building with least carbon foot print for both its building and operation. DEE harbours an NABL accredited calibration lab and testing laboratories equipped with sophisticated instruments accredited with ISO: IEC 17025:2017 (CC-2553) for the period of two years from 04.06.2020. Our potential customers for calibration services offered by DEE include BHEL, HAPP, OFT, IOCL, TVS, Precise sensor, Pure Tech India Ltd., Joseph eye hospital etc. DEE offers water testing services for Trichy Municipal Corporation and others. The department is well equipped with energy auditing instruments and expertise for carrying out energy audit. The current research areas pursued by the department includes organic spirulina cultivation, biodiesel from micro algae, solar desalination, hybrid treatment of water and waste water, energy storage materials, thermo-chemical conversion of biomass, 3D printing in energy applications and solar passive cooling techniques using advanced software's such as TRNSYS, ANSYS, SOLIDWORKS, Matlab, F-Chart Solar Systems Analysis and PV F-Chart Photovoltaic Systems Analysis. Our recent project activities include, (1) A consultancy project to FL Smidth Germany to estimate biomass potential for cement industry worth Rs. 2.00 lakhs and (2) DST project under the scheme of Science for Equity Empowerment and Development Division worth about Rs.108 Lakhs to implement biomass driven trigeneration system to improve the livelihood of ST people at Yelagiri Hills, Tamilnadu.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	13 / 15 / 8	
2.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		2	3.3
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		3	-
4.	Guest Lectures	Delivered	Organized
		6	3



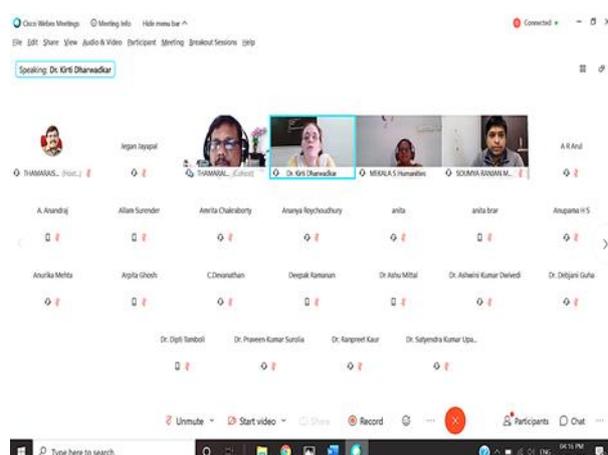
Energaia'21 during 30th to 31st January 2021

7. 10. HUMANITIES AND SOCIAL SCIENCES

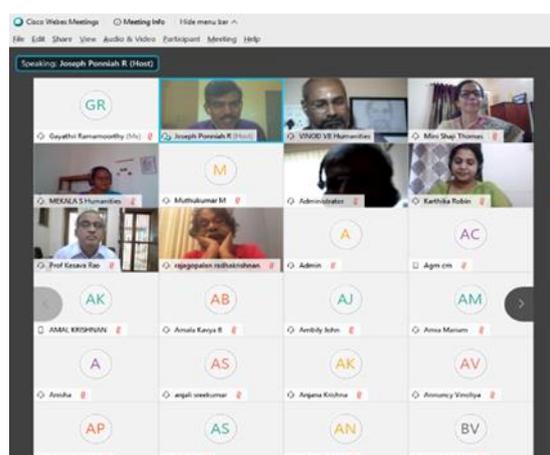
The Department of Humanities and Social Sciences (formerly, the Department of Humanities) has been in existence since 2004. To meet the existing demands of industry, business, public and private organizations, academic and human services, the Department has constantly striven for a practical curriculum 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 M.A. and Ph.D. program 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 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	17 / 25 / 8	
2.	No. of books / books chapters published	Books	Book chapters
		4	2
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		2	-
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		2	5
5.	Guest Lectures	Delivered	Organized
		19	-
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		1	-
7.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		-	-
8.	Ph.D. graduation details	Regular	Part Time
		5	1



Five-day online Faculty Development programme on “Academic Leadership and Team Building for Educational Excellence” sponsored by ATAL (23.11.2020 – 27.11.2020)



Inauguration of new PG programme M.A. (English Language & Literature) 2020 -21 on 20.09.2021

7. 11. INSTRUMENTATION AND CONTROL ENGINEERING

Established in the year 1993 to cater the needs of control and instrumentation engineers in industry, R&D organization and for other service sectors in the country. Apart from B. Tech program in Instrumentation & Control, the department offers M. Tech program in Industrial Automation and M.Tech. in Process Control and Instrumentation (jointly with Chemical engineering department), as well as Doctoral & MS by research programme. The department activities are focussed into three major areas namely, Instrumentation & Sensor Technology, Control & Industrial Automation and Biomedical Engineering. The department is equipped with nine state-of-the-art labs and fifteen faculties, with the facilities available in the department and Centres of Excellence of the institute, students have an opportunity to pursue their research in AI, Automation, Networked Control System, Predictive Analytics, Intelligent Control, Sensor Development, Advance Control Strategies, Biomedical Instrumentation and Signal Processing. Students have exposed to both academia and industry through courses, industrial lecture, internship and course project at outside organisations

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	26 / 48 / 17	
2.	No. of books / books chapters published	Books	Book chapters
		-	03
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	14.54
4.	No. of Patents	Filed	Published Granted
		01	- -
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		10	-
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	Conference - 17
7.	Guest Lectures	Delivered	Organized
		08	04
8.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	05
9.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		05	32.62
10.	Ph.D. graduation details	Regular	Part Time
		07	02

7. 12. MANAGEMENT STUDIES

The Department of Management Studies (DoMS), NIT Trichy has been nurturing students to manage with indelible expertise and skills for nearly four decades. Since its inception from 1978, the mission of DoMS is focused towards enriching the society through education, research and consultancy. The department has a strong industry connect and the vast source of alumni network which is the biggest asset of DoMS. The department also capitalizes resources of other engineering departments of NITT in terms of resource pooling and sharing for various academic and research activities. Our pedagogy emphasizes on application of management concepts and techniques in contemporary business world through extensive industrial interactions. We constantly strive to deliver the MBA programme with a stern focus on bridging the gap between academics and industry expectation. DoMS, NIT Trichy has been ranked 35th position under management category in NIRF rankings 2020 by Government of India.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	21 / 18 / 8	
2.	No. of books / books chapters published	Books	Book chapters
		-	1
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		3	-
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		2	-
5.	Guest Lectures	Delivered	Organized
		13	26
6.	Ph.D. graduation details	Regular	Part Time
		5	3



Inauguration of NISADYA '2020 – Annual Business Fest on 19th December 2021



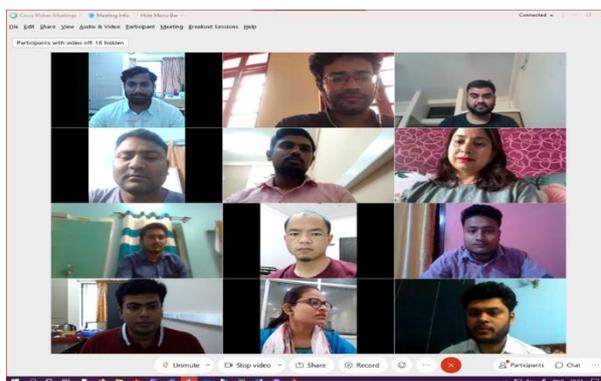
National Sustainable Business Conference on 10th March 2021

7.13. MATHEMATICS

The Department of Mathematics is one of the pioneering departments of the institution that offers assistance to many Information Technology & Engineering courses of the Institution. It is committed to the cost of quality education in Mathematics that forms the basis for all the other fields and IT, a field growing in leaps & bounds. The department provides a good theoretical foundation through high quality teaching complemented by extensive practical training. The department is dedicated to the mission of providing honest, sincere principled & highly skilled professionals trained to adapt to the dynamic requirement of the IT industry. This department comprising 17 faculty members, all with doctorate degrees, actively involved in research and in carrying out projects besides teaching. The persistence of the dedicated faculty in preserving the standards is manifest in the successful placement & in the production of Ph.D.s. To keep in touch with trends in growing technology, the faculty members participate regularly in refresher courses & symposium by various universities & research institutions. This department has been sanctioned Rs.50L under DST-FIST Level 1 Programme. Presently, there are 31 research scholars pursuing research work in various fields. The Department of Mathematics is offering **M. Sc. (Mathematics)** from 2019 in which students are admitted through Joint Admission Test (JAM). There are 19 students in the academic year 2019-2021 & 23 students in the academic year of 2020-22.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	32 / 30 / 4	
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		2(workshop)	-
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	5
4.	Guest Lectures	Delivered	Organized
		27	-



National Level Online Workshop on Functional Analysis & Numerical Analysis, 5th – 9th April 2021



AICTE Training and Learning (ATAL) FDP on advances in Fuzzy Logic and Neural Network in Artificial Intelligence, 28th December 2020 to 1st January 2021

7. 14. MECHANICAL ENGINEERING

The Department of Mechanical Engineering is one among the first three departments established in 1964. With a team of 27 faculty members which includes 6 newly joined highly qualified young faculties, the department consistently strives to be a globally renowned Department in Mechanical Engineering where the best of teaching, learning and research synergize to fulfil the requirements of industry and society. As a feather in its cap, the department has been ranked within 500 consecutively for the past four years in the QS world ranking which makes the department unique among all NITs in the country. The Department offers an undergraduate level programme in Mechanical Engineering, postgraduate level programmes in Thermal Power Engineering and Industrial Safety Engineering and research programme in M.S and Ph.D. The department keeps itself up to date with the state of art laboratories in order to nurture collaborative and cutting edge research activities.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	69 / 102 / 31	
2.	No. of books / books chapters published	Books	Book chapters
		4	16
3.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		3	1.8
4.	No. of Patents	Filed	Published
		4	1
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		NIL	1
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		NIL	5
7.	Guest Lectures	Delivered	Organized
		31	11
8.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		NIL	4
9.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		4	42.14
10.	Ph.D. graduation details	Regular	Part Time
		15	7



SPARC Sponsored Online Workshop on “Environmental and Energy Impacts of Biomass Thermochemical Process” 25th–29th January 2021



Mesh with Mech – Articles on leading inventions happening like Hyperloop or autonomous cars (Instagram posts)



Auto Cadre –An event on account of Mechanical engineer's day on 27 Sept 2020. We conducted 3 events and one workshop

MEA – MECHANICAL ENGINEERING ASSOCIATION



Soirée –Event for freshers to help them bond well among themselves and with the department and to fill them on what they miss during an online semester



InterTalk - To help 2nd years land an internship we had 6 speakers who helped by sharing their experience of landing an internship

Mechanical Engineering Association (MEA) – 2021 Events

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). Consultancy works worth 33.4 lakhs was done. 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 2020 - 21)

S. No.	Details	Total Nos.		
		67 / 69 / 28		
1.	Articles (WoS / Scopus / Q1 journals)			
2.	No. of books / books chapters published	Books	Book chapters	
		-	02	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		03	141.93	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		01	0.09	
5.	No. of Patents	Filed	Published	Granted
		00	01	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		02	-	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		03/00/01/02	-	
8.	Guest Lectures	Delivered	Organized	
		07	02	
9.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		04	60	
10.	Ph.D. graduation details	Regular	Part Time	
		11	2	



Guest Lecture on “Basics of Metallography” by Dr. George Vander Voort, Consultant, Buhler, on 29th December 2021



Dr.K.G.Prashanth, Head, Additive Manufacturing Laboratory, Tallinn University, Estonia given lectures in SPARC sponsored National Workshop on Additive Manufacturing - 02.11.2020 to 07.11.2020

7. 16. PHYSICS

The Department of Physics has seventeen faculty members and more than eighty Ph.D. students. We offer **M. Sc. (Physics)**, **M. Tech. (Non-Destructive Testing)** and **Ph. D (Physics)** courses. In addition, the department offers Physics for all B.Tech. programmes. The Department has meritorious R & D activities, actively carried out by seventeen research groups, with research funding from agencies like DRDO, DST, DBT and CSIR. The Department is sponsored under “Fund for Improvement of S & T Infrastructure in Higher Educational Institutions (FIST) of Department of Science & Technology (DST), Government of India. The Department has active **student chapters of OSA** (Optical Society of America) and **SPIE** (Society of Photo-Optical Instrumentation Engineers), which motivate and nurture the fundamental understanding on physics amongst the school children of remote neighborhood, by demonstrating eye-catching experiments.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.		
1.	Articles (WoS / Scopus / Q1 journals)	74 / 87 / 31		
2.	No. of books / books chapters published	Books	Book chapters	
		-	1	
3.	No. of Patents	Filed	Published	Granted
		-	1	-
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		2	2	
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	85	
6.	Guest Lectures	Delivered	Organized	
		16	-	
7.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	1	
8.	Ph.D. graduation details	Regular	Part Time	
		14	3	



International Workshop on Advanced Materials and Applications (IWAMA'21) by NITT-OSA and NITT-SPIE during 1st – 2nd March 2021



International Conference on Novel engineering materials for Biomedical, Energy, Environmental Sensing, and other application (ICON BEES 2021), 11th - 13th March 2021

7. 17. PRODUCTION ENGINEERING

Production Engineering is a professional practice of manufacturing technology with management science. The goal is to accomplish the manufacturing processes effectively and efficiently. The curriculum of Production engineering encompasses the contents with engineering materials, casting technology, machining technology, physical & mechanical joining processes, tool engineering, metrology, manufacturing systems, automation & Rapid manufacturing. In a typical industry, once the design is realized, production engineering concepts regarding work-study, ergonomics, operation research, tooling, manufacturing management, materials management, production planning, transportation etc., play important roles in efficient production processes. These deal with integrated design & efficient planning of the entire manufacturing system, which is becoming increasingly challenging with the emergence of sophisticated production methods & control systems. The Department offers B.Tech., M.Tech. in Manufacturing Technology and Industrial Engineering & Management, M.S. & Ph.D. programs. 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 & Operations Management. More than 138 Ph.D. degrees were awarded from the department & it offers engineering consultancy in of design, manufacturing & resource management.

Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1	Articles (WoS / Scopus / Q1 journals)	78 / 113 / 24	
2	No. of books / books chapters published	Books	Book chapters
		-	3
4	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	6.02
5	No. of Patents	Filed	Published
		2	-
6	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	-
7	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	1
8	Guest Lectures	Delivered	Organized
		14	-
9	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	1
10	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		1	7.48
11	Ph.D. graduation details	Regular	Part Time
		2	2

The screenshot shows a Zoom meeting interface with a slide titled "Takt time and cycle time". The slide content is as follows:

Takt time and cycle time

Takt time is the rate at which a product is to be produced to meet customer demand.

A dealer desires to take delivery of eight refrigerators after a shift of eight hours duration from a company. The takt time of this refrigerator is $8 \text{ hours} \div 8 \text{ refrigerators} = 1 \text{ hour}$.

Cycle Time is the time consumed in the company to produce one unit of the product.

Short Term Course on Lean Manufacturing and Industry 4.0 conducted during 4th – 8th January 2021

7.18. TRAINING AND PLACEMENT

Notable T&P related achievements:

During the year under report (2020 -21), 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 31.05.2021 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 participated	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 2020-21)

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 (Boeing)	No's:	1	Amount:	\$13,200

8. CENTRAL FACILITIES

8.1. COMPUTER SUPPORT GROUP (CSG)

The OCTAGON - Computer Center is the sterling hallmark of this campus was opened with the theme of "Dare to Dream". This center serves the campus-wide LAN in close association with the user departments. This LAN caters to about 7500 users across the campus (using Wired connection and through Wireless). 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 & TwinNet (Annex1) and Third i (Annex2) buildings accommodates the central computing facilities, it has a server room with 40 high-end servers and there are 9 laboratories (5 labs in Octagon building, 2 labs in the TwinNet (Annex1) and 2 labs in the Third i (Annex2) building) with totally 600+ high-end computers. The centre is maintained by the department of Computer Support Group (CSG).

Summary (AY 2020-21):

- Supported online classes and Video Conferences through MS Teams and Cisco WebEx software during Covid-19 Lockdown period.
- Supported for uploading the study material documents received from Institute Faculty. A dedicated portal (<https://studymaterial.nitt.edu/login.php>) has been developed for uploading the same.
- Developed a portal for first online semester examinations due to Covid-19 Lockdown period. The first online semester examinations were conducted successfully with the help of CSG.
- An online e-resources server (idp.nitt.edu) has been configured for central library journal access.
- UG and PG Admission Processes were conducted successfully with the help of CSG during Covid-19 Lockdown period.
- Due to Covid-19 Lockdown period, all the meetings / events were conducted through Video Conference mode. These large number of VC requests were handled by CSG with minimum man power.
- Independence Day and Republic day events were Live Streamed for the outside users.
- Shri. K. Srinivasan, Sr. Technical Officer, CSG has received Covid-19 warriors award on behalf of CSG.
- Supported for the first Virtual Convocation which was conducted fully online mode.
- Procured SMS API for enabling OTP Authentication for Online classes.
- Supported for various recruitment process through the recruitment portal.
- Taken over the control of MIS Software after completing the knowledge Transfer successfully from M/s. Tata Consultancy Services, Ltd.
- Developed a portal for UG / PG Students No dues based on the request received from Dean Academic office.

- New Moodle Server has configured by CSG.
- A portal has been developed for alumni achiever award.
- Currently developing a new MIS module for CPDA.
- New Income Tax Regime has been implemented successfully in the MIS HR Module.

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

Vacation : 9.00 a.m. to 5.00 p.m.

Qualified librarian and other staff:

No. of Library staff : 8

Degree holders in Library Mgmt. : 4

Computerization for search, indexing, issue/return record:

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



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

The Institute has a modern Central Library with more than two and half lakhs of documents including Reports, Standards, Back Volumes of Journals and subscriptions to more than 164 Print periodicals. The Institute Library has a Digital Collection of more than 8000+ full text e-journals through ESS Consortia as well as under Institute arrangement and 7000+ Springer, OUP, Wiley, IETE and CUP e-books on perpetual access model. The Audio-Visual Section of the Library holds more than 1500 educational Video cassettes and 3000+ CD-ROMs. The Library holds 17,080 books in the Book Bank Scheme. The Digital Knowledge Centre at the Central Library is providing digital knowledge service to the users provided with 70 PCs along with Internet and Wi-Fi facilities. All the functions of the Library have been automated by the integrated Library software called ‘LIBSYS’. Faculty and the research Scholars can also borrow books / reprints under Inter Library Loan through INDEST as well as DELNET. RFID Library Security Solutions and the Circulation System have been implemented. A total of 35 CCTV Web Cameras have been fixed in all the Stacks and at the Entrance for Surveillance purposes. The Institute holds British Council Library Membership.

Library Automation:

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

- Acquisition System
- Cataloguing System

- Circulation System
- Periodicals
- OPAC

RFID Technology:

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

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

OPAC [ON-LINE PUBLIC ACCESS CATALOG]:

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

Additional features of this catalog are:

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

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

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

Photocopying facility:

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

Centre of Excellence in Artificial Intelligence (CoE-AI), NIT Tiruchirappalli has been established at the cost of 1.10 Crores and was inaugurated on 8th September 2020. CoE-AI is dedicated to facilitate targeted and predominantly AI based capacity-building programmes in areas that benefit the sector at large. It will also serve as a focal point for sharing of best practices in the areas that benefit the students, institute, industry and other related organization. There are Six AI Workstations and one AI Super Computer in the Centre.

NIT Tiruchirappalli has signed MoU with NVIDIA to perform server intensive computations in the CoE-AI Lab. The computing services of COE-AI can be rendered by all the participants and open to the research communities. The Centre has obtained the Research Projects from different R & D organizations including DRDO, ISRO.



Inauguration of Centre of Excellence in Artificial Intelligence (CoE-AI)

1. Computing facilities at the CoE-AI

- AI Super computer – DGX-1 server for AI models training
- GPU based AI System – 6 nos.

2. Workshops/Training programs organized at CoE-AI

The CoE-AI has organized an online workshop on “Artificial Intelligence and Machine Learning Techniques for Data Analytics (AIMLT-2021)” from February 15, 2021 to February 20, 2021 and was inaugurated by the Dr.S. Muthukumaran, Dean (R & C), NIT Tiruchirappalli. The inauguration ceremony started with the welcome note by Dr.S. Domnic, Computer Applications, NIT Tiruchirappalli. Dr.M. Umopathy, Registrar (I/C), NIT Tiruchirappalli delivered the thematic address and highlighted the key features of CoE-AI. The inaugural ceremony was concluded with Vote of Thanks by Dr. E. Sivasankar, CSE, NIT Tiruchirappalli. The number of participants attending the workshop across the globe was 47. Two training programmes and one workshop have been organized in Dec 2020 and March 2021 respectively.

3. Research and Consultancy Projects taken at CoE-AI

The research and consultancy projects worth of 60.22 Lakhs have been taken in the period 2020-2021. The details are given below:

- Artificial Intelligence based Integrated Logistics Management System (ILMS) for Indian Navy (Air) Funding Agency: NRB-DRDO, 2020-2022, 22.22 Lakhs.
- Development of AI based Weapon Logistics Module, Funding Agency: DRDO, 2020-2021, 38 Lakhs.

4. Computing services rendered at CoE-AI

Research scholars from various departments such as ECE, CA and CSE are utilizing the DGX-I server to train their AI models for conducting cutting-edge research in the area of Artificial Intelligence.

8.6. 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.

8.7. 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.

8.8. 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 6th 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.

8.9. 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

Temporary Medical Officers:

- Dr. Annapoorni, MBBS
- Dr. Vignesh, MBBS
- Dr. Abdul Rahman, MBBS
- Dr. Chandrika, MBBS
- Dr. Varalakshmi, MBBS
- Dr. Krishnakumaran, MBBS.
- Dr. Asiya, MBBS.

Visiting Consultants (2020-21):

- Dr. Anu Rekha, MBBS, M.D (Gen. Medicine)
- Dr. S. Prabakaran, MBBS, MD (Gen. Medicine)
- Dr. K. Ananth, MBBS, MD (Paediatrics)
- Dr. G. Swamynathan, MBBS, MS (Ortho)
- Dr. Keerthana Priyadarshini, MBBS, DNB (Obstertrics& Gynaecology)
- Dr. Mohamed Mansoor, MBSS, DNB (Gen.Surgery)
- Dr. Sujatha, MBBS, MD (Ophthalmology)
- Dr. S. Vignesh, MDS (Endodontist) - Dentist
- Dr. Abinaya (Ayurveda)
- Dr. K. Ronald Roy, MBBS, MD (Psychiatry)
- Dr.M. Ajay, MBBS, MD (E.N.T)
- Dr. K. Akila, MBBS, MD (Dermatology)
- Dr. M. Ayyalammai (Homoeopathy)
- Dr.P. Venkateshwaran (Physio Therapist)
- Dr. D. Bhuvana (Physio Therapist)

8. 10. 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) - 2020-21:

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 (2020-21):

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. 11. GUEST HOUSE

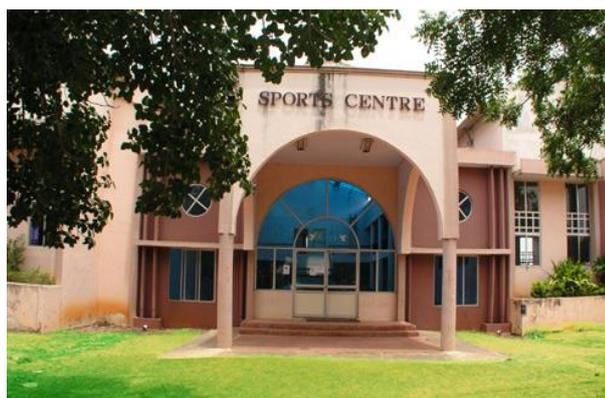
NIT, Tiruchirappalli caters to provide accommodation and food to official and personal guests in the two guest houses located in its premises. Guest House-1 has 33 guest rooms



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. 12. 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 5th to 7th October 2017.
 - b. Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator conducted a Business Plan Competition during 16th -18th 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 24th March, 2018.

8. A workshop on “Capacity Building of Women managers in Higher Education” was held from 4th to 9th 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 4th June to 22nd 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 21st to 23rd 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 31st July, 2018 to till date.
14. Employability skill test was conducted for 469 first year B. Tech. Students during 4th to 6th 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 21st 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 24th 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 4th to 6th 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 16th & 17th 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 8th to 13th 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 6th to 8th 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 14th & 15th 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 13th & 17th 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 12th & 13th 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"> • Overview of Start-up cell activities at DBRAIT • Case Studies on intelligent system design
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6. Dr. S. Moorthi, Asso. Prof., Dr. M. 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 7th to 11th 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 29th & 30th January 2019.
8. Prof. S. Raghavan, ECE Dept. attended DBRAIT as a BoG nominee on 15th April 2019 & also as a Viva voce Project Examiner of final year B. Tech students on 16th April 2019 at DBRAIT.
9. Three students of Campus Interview committee of NIT Tiruchirappalli (CSE, Civil, ECE) visited DBRAIT, Andaman & Nicobar during 22nd and 23rd 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 11th & 12th May 2019.
12. Internship was arranged for 10 students of DBRAIT from 3rd June to 3rd July 2019.
13. One faculty and seven students from DBRAIT visited NIT Tiruchirappalli during 27th to 31st 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 23rd August 2019.
17. Shir Altamash Mustafa, AP Civil regarding conformation of rate reasonability of procurement visited 3rd to 5th 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 19th and 20th, 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 15th & 16th October 2019.
 20. The Director NIT Tiruchirappalli delivered a lecture, “Women Empowerment” on 7th January 2020 for all students and faculty of DBRAIT.
 21. Student Council member and Hostel convener (8 members team) participated in PRAJANA during 30th and 31st January 2020.

10. CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION

(Established as Section 8 Company under Companies Act, 2013)

Ideas and innovations are no longer geographically or politically confined. An invention made today somewhere takes no time to find its market thousands of miles away. The expansion of information and communication technology and the convergence of technological tools are structuring new world knowledge, where problems of one part of the world can be solved by multiple experts based at different points of the globe.

SIGNIFICANCE OF BUSINESS INCUBATORS

CEDI NIT Tiruchirappalli supports very early stage start-ups for a period ranging from six months to two years whereas accelerators provide short intensive time based support for early revenue start-ups. Both, in essence, aim to increase the survival rate of start-ups and subsequent commercial success. Business incubation provides a nurturing, instructive and supportive environment for entrepreneurs during the critical stages of starting up a new business. The goal of an incubator is to increase the chance that a startup will succeed, and shorten the time and reduce the cost of establishing and growing its business.

CEDI NIT Tiruchirappalli can help to nurture the companies that will emerge as the wealth creators and employment providers of the nation. Incubators serve as a launching pad for young and small businesses. Start-ups, which are innately dynamic entities, need access to support, and incubators are a means of providing this. For entities that are already in existence, the incubator will function as an accelerator to scale up its operations to economic levels and beyond.

Incubators help start-ups survive in their very early stages by providing:

- A. Physical resources such as office space, communication facilities, conference rooms, library access, etc.
- B. Business oriented aid like legal services, marketing support, fund raising, business planning, strategic direction, technical assistance and networking support.
- C. A unique ecosystem of resources, inspiration, and opportunities to grow and have a positive impact on society at large.

Building blocks of incubation

- I. Business Modeling
- II. Technology Support
- III. Office Space R & D Laboratories
- IV. Consultant support
- V. Commercial & Legal Support

- VI. Organisation & Management
- VII. Marketing
- VIII. Funding
- IX. Coaching, Mentoring & Monitoring

CEDI-NIT Tiruchirappalli has been recognized the startup Ecosystem for initiating technology led and knowledge driven enterprises. Studies also show that such mechanisms help not only in the growth of technology based new enterprises but also in improving their survival rate substantially (from 30% to over 70%). CEDI also facilitate speedy commercialization of research outputs from the Host Institution NIT Tiruchirappalli. CEDI usually provide various services namely; market survey/ marketing assistance, business planning and training, organizing management/ technical assistance, assistance in obtaining statutory approvals, information dissemination on product ideas/ technologies, syndicating finances, arranging legal and IPR services etc. Thus, besides providing a host of services to new and existing enterprises, CEDI also facilitate an atmosphere congenial for their survival and growth. Through mentoring incubatees in an incubator environment by providing both scientific and entrepreneurship/business expertise, providing state-of-the-art working laboratories, cutting-edge technology platforms and strategically “nucleating” incubators in existing technology advancement, an ecosystem that nurtures and supports discoveries is created and which puts budding entrepreneurs with exciting discoveries on the path towards commercialization or productization.

FLAGSHIP initiative: FACULTY STARTUP at NITT

Registered: NIT Tiruchirappalli Faculty Start-up Category			
Sl. No.	Name/Designation	Proposed Idea	Results/ Recommendation
1)	Dr.-Ing. M. Duraiselvam Professor, Dept. of Production Engg.	Portable multi-functional smart ventilator	Start-up Identity: Mentoring and Rental
2)	Dr. R. Periyasamy Assistant Professor Dept. of ICE	Low Cost diagnostic device, to measure Transcutaneous Bilirubin	Mentoring, Rental, Funding support
3)	Dr. R. Senthilkumar Assistant Professor Dept. of Civil Engg.	Seismic resistant composite ready-made building components.	Start-up Identity: Mentoring and Rental
4)	Dr.S. Domnic Associate Professor Dept. of CA	Face recognition surveillance system	Mentoring, and Funding Support

Alumni and Open Category Startups at NIT Tiruchirappalli

Registered Start-ups: (Start-up India / Open category)			
Sl. No.	Name/Company	Proposed Idea	Category
1)	Manoj MS Ettenly Petrochemicals (P) Ltd.	Application. Procuring Fuel Dispenser and Fuel Vehicle Fabrication design completed	Mentoring Category
2)	Varun Gawarikar V2RT Insuretech solutions (P) Ltd.	Insurance: Claim App: Virtual Survey With Real- Time Prevention And Mitigation Help	Mentoring, Student interns
3)	Gopi Mani/Vinoth Mani Taizo Technologies (P) Ltd.	India's Personalized Job Platform	Mentoring, Rental Space, Funding Support
4)	Shrinath Honnovalli, Manoj Pandey Trawello Hearth Care services (P) Ltd.	Wellness products	Mentoring, Rental Space, Funding Support

CEDI Incubatee Company's 2020 – 2021

Sl. No.	Company Name	Sector
1.	Trawello Healthcare Services Pvt. Ltd.	Service
2.	Ramani Educational and Charity Trust Pvt. Ltd. (REACT) (Women Entrepreneur)	Manufacturing
3.	Switch Mobility Pvt. Ltd.	Manufacturing
4.	GreenerG Mobility Solutions Pvt. Ltd.	Manufacturing
5.	EEKAI Innovations Pvt. Ltd.	Manufacturing
6.	PHOTEJ	Manufacturing
7.	Aqualyzer	Manufacturing
8.	Social Welfare Integral Trust (SWIT)	Manufacturing
9.	SAWBON	Service
10.	Prognostik Healthcare Instruments (P) Ltd.	Service
11.	Aid Vision Solutions (P) Ltd.	Manufacturing
12.	Inventglo Technologies Solutions (P) Ltd.	Manufacturing
13.	Taizo Technologies (P) Ltd.	Manufacturing
14.	Senvira Engineering (P) Ltd.	Manufacturing
15.	Edge Tree – Intelligent Transportation Engineering	Manufacturing
16.	Ettenly Petrochemicals (P) Ltd.	Manufacturing
17.	V2RT Insuretech Solutions (P) Ltd.	Manufacturing

11. STUDENT ACTIVITIES

11.1 FESTEMBER 2020

The 46th edition of Festember, Festember'20 themed “The Fantasy Realm”, was an extravagant spread of events which spanned several weeks.

Festember was held entirely online this year as a consequence of the ongoing pandemic. However, it proved to not be a significant hurdle but an opportunity for Festember to showcase its merits to a wider, more accessible audience online.

One of the greatest hallmarks of any edition of Festember is its line of speakers for the illuminating Guest Lecture series, Carpe Diem and Vox Populi – and the 46th edition has only soared higher. The first guest of this edition’s Carpe Diem series was the director of the highly acclaimed TV series "Money Heist", Alex Rodrigo. He talked about his experiences filming the pop culture phenomenon that Money Heist is, and its journey to fruition and relevance today.

The second guest for the series was the stunning playback singer Shweta Mohan. She spoke about her journey through the colourful world and India’s music scene, both as a playback singer and an independent artist. She also touched upon her experiences of working with icons like the stalwart Ilayaraja, AR Rahman, Anirudh, and many others while interspersing her speech with snippets of her songs.

In continuance with the Carpe Diem series, Festember hosted the five-time world chess champion and India’s first grandmaster, Viswanathan Anand, as its third guest, on the 3rd of February. He delivered a speech on his journey, from his early days to his championships to where he stands today, the thrill of victories, and the joy in strategising and battling the opponents’ wits.

The next guest was the distinguished cinematographer Julio Macat, who has led the camera department on Hollywood favourites such as Pitch Perfect and Home Alone. He elucidated on his experiences working along with Hollywood maestros, directors Tom Shadyac and Adam Shankman, and offered a peek into his way of conveying stories through his lenses. In the conclusion to this edition’s Carpe Diem series, Festember invited two celebrated authors - Cathy Cassidy and Christopher C Doyle - to an enchanting talk on the 22nd of February. The two prolific novelists took the stage to allow us a glimpse into their enchanting world of writing, fiction and blurbs from their lives.

In the first week of February, Festember also hosted its first guest in the Vox Populi guest lecture series. The advocate, columnist, author of three books, and former resident editor

of NDTV 24x7, Sanjay Pinto, was invited to deliver a speech on 8th February. He talked about the causes close to his heart, his endeavours in life, and him being a voice of the people.

A multitude of sponsors made the entire roster of events possible. Festember was associated with Skillbox, City Union Bank, Bank of Baroda, Shopclues and DHL. Festember was also associated with several media sponsors who shone the light of mainstream media and publicity on the fest - Suryan FM, Fever FM & Radio One, Film Companion South, Shortfundly, Filmibeat, NewsGlitz & IndiaGlitz, Strate School of Design and Awesong, and Glitters Film Academy.

Festember's biggest attraction has always been its four nights of immense fun - the ProShows, and it vowed to make this year's performances the benchmark for years to come. The ProShows have always boasted of performers who set the stage and the night ablaze with their intensity, and this edition was no different. First in line was the Fusion Night on the 19th of February, headlined by the renowned veena player Rajhesh Vaidhya. He gave an absolutely scintillating performance, with the audience swaying to the tune of his magical veena. The day after, Festember had the quick-witted comic Naveen Richard bring his "One Night Stand-Up" to an eager audience. With his charming performance, Naveen Richard had the audience in splits and howling with laughter.

Next in line was Icon Night on the 27th of February, boasting of the soulful Vijay Yesudas as its performer. He swept the audience off their feet with his impeccable renditions and his mellifluous tone, wooing the audience with his stunning display of talent. Not to be outdone by the other impressive performances, the penultimate ProShow, on the 28th of February - Popular Night - had the captivating Shilpa Rao as its headliner. She took the stage and left everybody spellbound with her euphonious voice, with a thorough candid interaction with the viewers that's bound to have left lasting memories.

The final bow on the present that was the ProShows was Finale, with two multifaceted artists adorning the virtual stage - singer Maalavika Manoj and keyboardist Stephen Devassy. They kept the pulse racing throughout their exhibit that served as a fitting end to the amazing year Festember has had.



Events of Festember' 20

11.2 PRAGYAN

Pragyan, the international techno-managerial organisation of NIT Trichy, which came into being in 2005, achieves just that by providing a platform for a multitude of students to showcase their technical ingenuity and prowess. With its annual self-titled fest, Pragyan has come a long way since its inception. It basks in the limelight with the London Olympics and Manchester United, the football club, as one of the three organisations to have ever achieved the ISO 20121:2012 Certification for Sustainable Event Management. Pragyan also holds the coveted honour of being the only student-run organisation amongst the three. In addition, Pragyan has the ISO 9001:2015 Certification for Quality Management Systems. Moreover, it has been registered as a case study in The Case Centre, London.

This year, Pragyan has had many online sessions with renowned speakers, businessmen, scholars, and personalities on our Pragyan Talks and Backstage Q & A sessions. With online events, podcasts, and articles spreading awareness and information, Pragyan has not lost its zeal during these tough times.

With “Metaverse” as its theme, this edition of Pragyan aims to bring together all the virtual worlds together and celebrate technology. The events conducted by Pragyan required the students to think out of the box and develop innovative solutions, thus adhering to the theme. The Panel Discussion, the Guest Lecture Series, and the Exhibition series provided a golden opportunity for students from all over the country to interact with the nation’s brightest minds. The Guest Lecture series included eminent luminaries like Dr. Vandana Verma, Dr. Rishiksha T. Krishnan, Dr. Ken Yeang, Philip Rosedale, Yogesh Gupta, Dr. Ramanan Laxminarayan, Dr. Duvvuri Subbarao, Mr. Navdeep Suri, Dr. Ashok Seth, Dr. Soumitra Dutta, Dr. B. N. Suresh and many more. Exhibitions were another main attraction, including Prosthesis- a gargantuan two-story-tall tetrapod exoskeleton, learning how woven art in the

form of sculpture and science are, Manufacturing of Guns by the Ordnance Factory, Tiruchirappalli.

The infotainment shows in the evening eased the competing minds through shows like Pete Michels sharing his experience as the award-winning animation director and explaining the nook and corners of animation. Wahid Ibn Reza shared his experience as the production manager and gave insights into the world of technologically oriented modern films. Gaurav Sundararaman shed light on the role of analytics in cricket and how the sport has evolved over a short period with the help of data-driven technology.



Pragyan'21 Inauguration on 28th March 2021



Pragyan'21 Valediction on 12th April 2021

11.3 CLUBS AND SOCIETIES

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

11.4 STUDENT CLUBS ACHIEVEMENTS

Name of the Student	Prize Won
Saimothish	Designers' Consortium: Designed an attachment device to a tractor to remove fallen silt from side barriers in paddy fields to help farmers of Thirunedungulam village along with NSS as part of Unnat Bharath Abhiyan initiative. 17 th Nov 2020.
Rohit Surya	
Niranjana Kumar	
Vishnu M H	
Saimothish	
Kushagra Kandapal	Selected for Cuvette Tech Business Strategy Internship on 1 st October 2020
Sabrini Paul	
Samir Shaikh	
Gokul Kannan	First Place in National P&G Technical Games Case Study Competition on April 2020
Nishant Chandan	
Sunil Sadhasivam	
S M Deepsikha	Designers' Consortium: Second place in Industrial Design Problem at VIT Vellore on. 12 th Oct 2019
Navneeth Rajiv	
Kevin Mathew Thomas	
Madhav Aggarwal	Spider R&D: Tezos India fellowship 16 th July 2020
Abhilasha Nagpal	Spider R&D: Smart India Hackathon (SIH) – Winner Date: 3 rd August 2020
Ark Srivastava	
Goutham CM	
Nitin More	
Vaibhav Bairagi	
Ayush Singh	
Soma Karthik	Spider R&D: Project Bee Bots got selected in ICCAR Conference 2020, Singapore - 23 rd April 2020
Akil M	
N Praveen Chandhar	
M Akil	
Shivani Chander	
J Amogh	
R Aditya	
Senthur Raj	Spider R&D: Project Shadow Bot got selected in ICRA Conference 2020, France - 31 st Aug 2020
Jack Samules	
Manu Aatitya	
Veejay Karthik	
Gokul Krishna	Athenaeum:

	GECB MUN - Gokul Krishna, (Online Competition - June 2020)
Surya Sridhar	Athenaeum: MEC e-MUN - 1 award (Online Competition - June 2020) UYS e-MUN - 1 award (Online Competition - June 2020) CUKCC e-MUN - 1 award (Online Competition - June 2020) Pressing Matters - (Organized Competition Online - July 2020) QCON e-MUN - 1 award (Online Competition - July 2020) Cognizant e-MUN - 1 award (Online Competition - August 2020) Vision e-MUN - 1 award (Online Competition - August 2020)
Adithya Sriram, ICE	Top 4 in HSBC India Case competition
Nithin Balaji DV, CSE	
Swesha V, PR	
Shravan R, CE	
Achyut Ramkumar, ICE	AIR 1 in IIM Case Study competition
Vijay Kiran, ICE	AIR 1 in IIM Case Study competition
Kailash Jagadeesh, ME	Won over 17 Intercollege robotics event including at IIT Rourkee, IIT BHU and BITS Pilani
Balaji Jayashrri, CSE	Ethereum India Fellowship 2.0 and Winner of Etherpunk Hackathon
Arvinth S, ECE	Etherpunk '21 Winner
Abhishek L, ECE	Winner MIT Bitcoin Expo Hackathon
V.K.Viekash, ICE	Publications - 'CAD Sketch Net' by Elsevier
Saloni Rakholiya, CSE	Generation Google Scholarship, Asia Pacific Region
Priyanshu Dangi, CSE	Tezos India Fellowship 2.0 and Winner of Etherpunk Hackathon
Rishab Nahar, CSE	Google Kickstart 2021 AIR 4 and Global Rank 27
Satyarth Pandey, CSE	Google Hashcode 2021 AIR 8 and Global Rank 97
Sobhagya Singh Dewal, CSE	Google Codejam AIR 2 and Global Rank 138
Arunesh, CSE	Winners - Medihack Hackathon @ University of Lodz (Poland)
Vaasu, CSE	
KR JaiKeshav, ME	Eyantra robotics competition 2020 First place
Aswin Sreekumar, ECE	
K Girish, ECE	
Greeshwar R S, PR	
Madhav Aggarwal, CSE	IUSSTF Viterbi India Program

11.5 NATIONAL CADET CORPS (NCC)

A-Flight NCC organized 30 official meetings in the year 2020-2021. The meetings were conducted in MS Teams. The first-year cadets were trained by the second-year cadets with the guidance of the third-year cadets in foot drill. The meetings were taken by the second year and third year cadets as they wholeheartedly taught the commands by showing the videos, pictures and explaining the specifications of each command and giving live demonstration to the junior cadets to ensure they had understood the command completely. The meetings ended with the senior cadets giving motivational talks to the junior cadets. Apart from the normal meetings, 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 organized the following events in 2020 – 21:

The torch bearers (online series)	03/06/2020 - 25/06/2020
Trailblazers	02/07/2020
Independence Day (Poster and Video)	15/08/2020
AIM, CLICLK, CAPTURE (Photography contest)	20/08/2020 - 01/09/2020
Breast Cancer Awareness Programme	22/10/2020 - 02/11/2020
Webinar on Civil Services Examination	07/11/2020
Online Quiz Contenst	16/01/2021
Online Treasure hunt contest	14/02/2021



UDAAN RAKSHAK Series



Breast Cancer Awareness Programme

11.6 NATIONAL SERVICE SCHEME (NSS)

National Service Scheme (NSS) is a permanent youth programme under the Ministry of Youth Affairs and Sports, Government of India. The motto of NSS is "Not me but you". Although, due to the prevailing pandemic situation the NSS had restriction in performing regular activities and this didn't stop the motto of the NSS. This year NSS had organized series of SOCIO talks through online mode with well-known personalities serving the society. These SOCIO talks had got overwhelming response in terms of participation and discussion.

1. SOCIO-TALK SERIES

This socio-talk series interviews guests who are involved in works for the well-being of the society, the interview is then released on NSS- NITT Facebook, IGTV and YouTube.

SOCIO TALK - 1

The 1st talk was held on 12th August 2020 given by Dr. Nishi Khanna, a Celebrity Psychologist, a renowned TEDx speaker, radio and TV panelist, Depression Counsellor. On account of International Youth Day she addressed on mental health issues faced by the youth of today an interactive interview with 244 participants. With 20 years of experience she addressed the problems and provided suggestions for the students.

SOCIO-TALK - 2

On 6th September 2018, government of India read down the section 377 of the Indian Penal code, decriminalising gay sex. LGBTQ + inclusion of this etiquette, which should be adopted seriously by the people mainly students irrespective of the community which they live in. To overcome this challenge and to commemorate the 2nd year celebration of the community acknowledgement, NSS-NITT conducted an interactive session with the renowned LGBTQ+resource group, Harishchandra Ramdas, Kumaresh and Priya Sharma (Founding and Leading members of SAATHI), of IIT Bombay which was streamed over IGTV, Facebook and You tube with 754 participants.

SOCIO-TALK - 3

Periferry is a socially inclusive organisation, which works as a ferry for the people struggling at the periphery of the society. It is very important for the student community to know about the problems the LGBTQ community face which this session spoke about. An Interactive Socio-Talk with Neelam Jain, the Founder and CEO of PeriFerry, and an active worker in the well-being of Transgenders was organized which attracted 330 participants.

SOCIO-TALK - 4

A Nation's wealth is hidden in it's natural wealth; Tribal community is the hidden backbone of a country's wealth. This Socio talk had 3 highlighted the hidden wealth of our country along with Right Livelihood Awardee - Medha Patkar, who has actively participated

in Narmada Bachao Andolan, and also contributed a lot in uplifting the lives of the North-East tribal community with 313 participants.

SOCIO-TALK - 5

The NSS-NITT interviewed Aditi Gupta, a social entrepreneur, women's health activist, and the co-founder of Menstrupedia. The company works towards helping people understand about puberty in women and men by publishing both entertaining and informative content on various media. This session had taught us how important it is to talk about puberty and not to consider it as an embarrassing topic.

SOCIO-TALKS - 6

On the occasion of Autism Awareness Day, a session with the Dr. Merry Barua, Director of National Centre of Autism was interviewed. She spoke about the disease Autism which is an inability to communicate and how Autism patients should be treated. Dr. Merry Barua informed the participants about the basic manners to be followed while approaching autism patients and how they take care of them.



Series of SOCIO Talks

2. CLASS QUIZ

On account of Ek Bharath Shreshtha Bharath Scheme, a class quiz was organised for Computer Science and Engineering department volunteer on 20th April 2021. The quiz was conducted in four rounds. Students learnt about the varied diverse culture of Indian subcontinent and the necessity of Unity among the states.

3. COVID AWARENESS QUIZ

To increase the awareness among students regarding COVID conditions around the world and necessary precautions to be taken, a quiz titled “COVID AWARENESS” was conducted among NSS volunteers to increase the awareness about COVID and its safety. It was conducted on MS Teams where 236 students actively participated. Students came to know new information, safety precaution, and overall condition of COVID around the globe.

11.7 SPORTS ACHIEVEMENTS

In an unprecedented year that was marred with many difficulties, everyone in NIT Tiruchirappalli has adapted. For the Sports Council and Contingent, it was no different and it have tried its best to keep the contingent and the rest of campus involved through the various events that are conducted throughout the year. It had to overcome several obstacles and has been a great learning experience for all involved. The council could conduct interesting events through online and also contributed to the campus development.

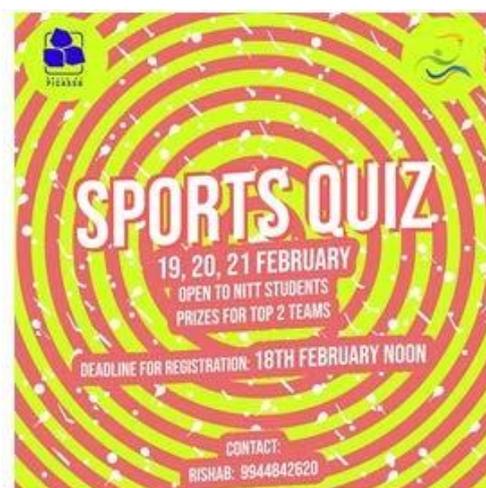
1. Online events conducted

Sportsfete Fantasy – IPL Auction and Fantasy League

Sportsfete along with Delta conducted an online fantasy league which gave cricket fans a chance to experience a live auction and put all their knowledge to use in selecting the best team to win the fantasy league. The participants could register in teams of three members. A total of 50 teams participated putting the total number of participants at 150.

Sports Quiz

Sportsfete in association with Balls by Picasso conducted a Sports Quiz exclusive to the students of NIT Tiruchirappalli to test their knowledge in sports for a chance to win exciting prizes. It was conducted from the 19th to 21st of February 2021. A total of 150 students participated in the quiz.



Posters of Sportsfete Fantasy and Sports Quiz

Pitch Prophet by Sportsfete

Sportsfete organized the Pitch Prophet event on the Dream11 platform, which was a knock-out based event that gave the participants a chance to put their IPL knowledge to use by picking their teams on match days and competing against each other. The top 3 teams won merchandise of their favorite IPL teams. It was conducted from 5th to 10th November 2020 and had a total participation of 120 students.

Sports Day'21

The sports Council conducted the Sports Day 2021 via YouTube on 29th April 2021. The Chief Guest was Indian Athletics Team Chief Coach, Mr.P. Radha Krishnan Nair. It involved the Report Presentation for the years 2019-20 and 2020-21 as well as the announcement of winners. In terms of participation, it has been viewed by 590 people in total.



Sports Day 2021

2. Campus Development Initiatives

Synapse Webinar Series – ‘Careers in Sport after Graduation’

The Sports Council in collaboration with NITTSAC organized the Synapse Webinar series to help students understand the opportunities and careers available to them in sports and fitness and learn from the experiences of the alumni of our college who are professionals in their chosen fields.

Webinar 1 – by Badri Narayanan, Sports Psychologist and Mental Condition Coach, Batch of 1998, ECE. It was conducted on 28th March 2021 with a live audience of about 70 people and has been viewed by 200 people in total

Webinar 2 – by Harish Balachandran, Founder and Fitness Coach at HarrysFMS, Batch of 2008, EEE. It was conducted on 1st May with a live audience of about 60 people and has been viewed by 160 people in total.



**Webinar by Badri Narayanan,
Sports Psychologist and Mental Condition Coach**

Techno Gym

The Sports Council was involved in assisting the administration with the opening of the Techno Gym on campus. With the opening of the new gym, students will have access to high quality equipment, once they return to campus, which will definitely help them train and achieve their fitness goals.



NITT Techno Gym Inauguration

SPORTS COUNCIL MEMBERS (2020-21)

S. No.	Name	Designation
1.	Manikhandan M S	Chairman
2.	Jayendhra Shiva	Secretary
3.	TL Vaishnavi	Associate Secretary
4.	Mridhul Subash	Organizing Head
5.	Isaac M Varghese	Overall Coordinator
6.	Sanjay Anand	Treasurer



भारतीय लेखापरीक्षा और लेखा विभाग
INDIAN AUDIT AND ACCOUNTS DEPARTMENT
प्रधान निदेशक लेखापरीक्षा (केंद्रीय) चेन्नै का कार्यालय
OFFICE OF THE PRINCIPAL DIRECTOR OF AUDIT
(CENTRAL) CHENNAI



No. PDA(C)/CE/II/28-75/2021-22/

Dated: 01.02.2022

To

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

NIT Director's Office	
Inward Dak No.	
DOR	07/02/2022
DOD	

Sir,

Sub: Separate Audit Report on the accounts of the National Institute of Technology, Tiruchirappalli for the year 2020-21 – 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 2020-21.

The date of presentation of the accounts to Parliament for the years 2019-20 and 2020-21 may please be intimated to this office. It may also please be ensured that previous year Report is laid first before laying of current year Report in Parliament. In addition, a copy of the report as presented to Parliament may also be sent to this office in due course.

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

Yours faithfully,

Encl: As above.

sd-

Deputy Director/CE.

To Registrar
07/02/22

To AR(Accounts) / file
M.G. 07/02/22
Budget

Endt. No. PDA(C)/CE/II/28-75/2021-22/ 140

Dated: 01.02.2022

Copy together with a copy of the Separate Audit Report of National Institute of Technology, Tiruchirappalli for the year 2020-21 and a Management Letter are forwarded to the Director, National Institute of Technology, Tiruchirappalli. It is requested to furnish a copy of the Hindi version of the Separate Audit Report and one copy of Annual Report as presented to Parliament at an early date. It may please be ensured that previous year Report is laid first before laying of current year Report in Parliament. It is also requested to furnish the dates of presentation of the accounts to Parliament for the year 2019-20 and 2020-21.


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 2021.

We have audited the attached Balance sheet of National Institute of Technology, Tiruchirappalli as on 31st March 2021, 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 Education.
- iii** In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required under Section 22 (1) of National Institutes of Technology Act, 2007 in so far as it appears from our examination of such books.

iv We further report that:

A. Balance Sheet

1. Fixed Assets - Schedule-4 - ₹358.21 crore

Construction of PG lecture hall complex, Boys hostel, PG students hostel, KV School building and faculty block costing around ₹56.64 crore has been completed and put into use in 2018-19 itself. However, the same has not been capitalized and kept in Work-in-Progress even though the same was pointed out in the previous SAR related to the year 2019-20. This had resulted in understatement of Fixed Assets by ₹53.24 crore, depreciation by ₹3.40 crore and overstatement of WIP to an extent of ₹56.64 crore.

2. Corpus/Capital Fund (Schedule-10) – ₹ 641.16 crore

As per actuarial valuation report, the liability for retirement benefits came to ₹506.13 crore as on 31 March 2021. Instead of creating provisions for the same, the Institute had disclosed this in the “Notes to Accounts- Schedule 23. This has resulted in overstatement of Corpus/Capital Fund and understatement of Current Liabilities and Provisions by the same amount. .

B. Grants in aid

Out of the grants-in-aid of ₹170.73 crore received during the year 2020-21 and ₹27.61 crore being unspent balance of the previous year, totalling ₹198.34 crore, the Institute utilised a sum of ₹188.09 crore leaving a balance of ₹10.25 crore as unutilized grant as on 31 March 2021.

C. Management Letter

Deficiencies which have not been included in the Audit Report, along with persistent comments, have been brought to the notice of NIT Tiruchirapalli through a Management Letter issued separately for remedial/ corrective action.

D. Effect of Revision in Accounts.

The accounts of the Institute were revised based on audit comments as a result of which, in the Institute accounts, Assets/Liabilities were increased by ₹2.20 crore and Surplus was decreased by ₹0.59 crore.

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, Tiruchirapalli as at 31 March 2021; 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: 02.02.2022

Principal Director of Audit (Central), Chennai

Annexure to Draft Separate Audit Report

1. Adequacy of Internal Audit System:

- Internal Audit of the Institute was not conducted for the year 2020-21.

2. Adequacy of Internal Control System:

Internal Control System in the Institute was inadequate in the following aspects:

- i. An amount of ₹1.75 crore received during 2020-21 was not uploaded in the MIS of admission Section.
- ii. Non maintenance of Fixed Assets Registers
- iii. Internal Audit was not conducted for the year 2020-21.
- iv. Income & Expenditure Statement and Balance Sheet were not prepared by Projects Accounts (ICSR) Section. Only Receipt & Payment Accounts were submitted for inclusion in Annual Report.
- v. Non conducting of physical verification of fixed assets and inventories during the year.

3. System of Physical verification of Fixed Assets and Inventory:

Physical verification of fixed assets was not done for the period from 2019-20 to 2020-21. There is no consolidated Fixed Asset Register.

4. Regularity in payment of statutory dues:

The Institute was regular in payment of Statutory dues.

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015 TAMILNADU



ANNUAL ACCOUNTS

(Revised)

2020~2021

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015

ANNUAL STATEMENT OF ACCOUNTS 2020-21

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Receipts and Payments Account	46
GPF and NPS	47-52

National Institute of Technology, Tiruchirappalli-620 015

Balance Sheet as at 31-03-2021

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Sources of Funds:	Schedule No.	2020-21	2019-20
Capital Fund	1	6 41 16 25 976	5 98 51 75 228
Designated/Earmarked/Endowment Funds	2	1 92 51 57 242	1 69 11 85 761
Secured Loans - HEFA Loan	2(HEFA)	17 28 60 803	5 32 00 000
Current Liabilities & Provisions	3	89 17 60 231	1 21 61 43 743
TOTAL		9 40 14 04 252	8 94 57 04 732
Application of Funds	Schedule No.	2020-21	2019-20
Fixed Assets	4		
Tangible Assets		3 58 21 17 446	3 29 94 49 698
Intangible Assets		4 24 18 043	5 28 77 941
Capital Works-in-progress		1 27 15 86 665	1 59 99 10 372
Investments From Earmarked/Endowment Funds	5		
Long Term		12 75 66 791	11 81 03 655
Short Term		1 54 17 17 056	1 36 66 13 626
Investments - Others	6	0	0
Current Assets	7	2 48 03 22 449	2 10 96 70 732
Loans, Advances & Deposits	8	35 56 75 801	39 90 78 708
TOTAL		9 40 14 04 252	8 94 57 04 732

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Significant Accounting Policies
Contingent Liabilities and Notes to Accounts


 Registrar (i/c)
 NIT-Tiruchirappalli


 Director (i/c)
 NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015
Income and Expenditure Account for the Period/Year Ended 31-03-2021

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Particulars	Schedule No.	2020-21	2019-20
INCOME			
Academic Receipts	9	64 81 88 053	64 15 69 037
Grants/Subsidies	10	1 67 29 04 306	1 73 24 80 650
Income From Investments	11	6 41 44 457	5 24 40 288
Interest Earned	12	93 79 816	1 33 45 864
Other Income	13	8 04 62 338	17 29 67 622
Prior Period Income	14	1 50 95 417	1 42 30 438
TOTAL-(A)		2 49 01 74 387	2 62 70 33 899
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	1 30 16 46 362	1 13 48 17 955
Academic Expenses	16	32 40 48 922	37 69 62 054
Administrative and General Expenses	17	7 78 88 684	13 79 00 322
Transportation Expenses	18	36 50 196	57 04 007
Repairs & Maintenance	19	6 78 45 031	9 08 78 352
Finance Costs	20	1 13 29 871	16 46 059
Depreciation	4	34 24 83 891	24 22 14 413
Other Expenses	21	0	0
Prior Period Expenses	22	0	1 65 45 487
TOTAL-(B)		2 12 88 92 957	2 00 66 68 649
Balance Being Excess of Income over Expenditure (A-B)		36 12 81 430	62 03 65 250
Transfer to / from Designated Fund (Building Fund)		6 39 60 000	13 26 62 644
Capital Expenditure from IRG - Capitalised		53 52 138	42 68 629
Others ()-Corpus Fund (6 08 00 000 + 1 12 00 000)		7 20 00 000	8 91 89 000
Balance Being Surplus/Deficit Carried to Capital Fund		21 99 69 292	39 42 44 977

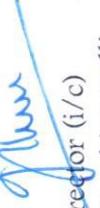
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Significant Accounting Policies

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Contingent Liabilities and Notes to Accounts


 Registrar (i/c)


 Director (i/c)

NIT-Tiruchirappalli

NIT-Tiruchirappalli

**SCHEDULES FORMING PART
OF
BALANCE SHEET**

National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 1: CAPITAL FUND

	2020-21	2019-20
Balance as at the Beginning of the Year	5 98 51 75 228	5 10 10 84 544
Add: Contribution towards Capital Fund	0	0
Add: Grant from UGC, Govt of India and State Government to the extent utilized for capital expenditure	20 80 22 966	20 01 41 268
Add: Assets Purchased out of IRG	53 52 138	42 68 629
Add: Assets Purchased out of Earmarked Funds	0	0
Add: Assets Purchased out of Sponsored Projects, Where ownership vests in the institution	0	7 00 553
Add: Assets Donated/Gifts Received	0	0
Add: Other Additions	0	0
Add: Transfer from Surplus IRG 2018-19	0	45 94 62 685
Add: Excess of Income over expenditure transferred from the income & Expenditure Account	21 99 69 292	39 42 44 977
Total	6 41 85 19 624	6 15 99 02 656
Deduct: Deficit transferred from the Income & Expenditure Account	0	0
Deduct: Depreciation on Assets Donated/Gifts Received (Siemens COE)	- 68 93 648	- 17 47 27 428
Balance at the Year End	6 41 16 25 976	5 98 51 75 228


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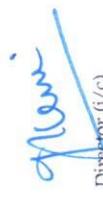
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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 2: DESIGNATED/EARMARKED/ENDOWMENT FUNDS

Particulars	Fund wise Breakup										Total	
	Corpus Fund	Building Fund	Staff Development Fund	Maintenance Fund	Depreciation Fund	Student Welfare Fund	ECC Fund	AIIC Fund	Endowment	2020-21	2019-20	
A.												
a) Opening Balance	1 47 71 06 624	13 26 62 644	2 46 38 445	10 81 475	10 81 475	1 62 22 100	1 67 38 250	61 20 695	1 55 34 053	1 69 11 85 761	1 35 11 95 635	
b) Additions during the year	7 73 83 146	6 39 60 000	2 56 276	0	0	0	0	0	16 00 000	14 31 99 422	24 53 50 837	
c) Income from investments made of the funds	4 99 18 080	0	7 64 025	33 536	33 536	5 03 039	5 19 044	3 53 962	8 37 351	5 29 62 573	4 38 91 769	
d) Accrued Interest on Investments/Advances	3 63 10 922	0	5 99 566	26 317	26 317	3 94 758	4 07 318	0	0	3 77 65 198	5 08 41 886	
e) Interest on Savings Bank Account	1 39 749	0	2 139	94	94	1 408	1 453	0	0	1 44 937	1 85 009	
f) Other Additions	0	0	0	0	0	0	0	0	0	0	0	
Total - (A)	1 64 08 58 521	19 66 22 644	2 62 60 451	11 41 422	11 41 422	1 71 21 305	1 76 66 065	64 74 657	1 79 71 404	1 92 52 57 891	1 69 14 65 136	
B.												
Utilisation/Expenditure towards objectives of Funds												
i) Capital Expenditure	0	0	0	0	0	0	0	0	0	0	0	
ii) Revenue Expenditure	0	0	0	0	0	0	0	1 00 649	0	1 00 649	2 79 375	
Total - (B)	0	0	0	0	0	0	0	1 00 649	0	1 00 649	2 79 375	
Closing balance at the year end (A-B)	1 64 08 58 521	19 66 22 644	2 62 60 451	11 41 422	11 41 422	1 71 21 305	1 76 66 065	63 74 008	1 79 71 404	1 92 51 57 242	1 69 11 85 761	
Represented by												
Cash and Bank Balances	1 12 37 993	0	0	0	0	0	2 88 236	11 74 008	28 46 503	1 55 46 740	70 47 951	
Investments	1 58 73 70 793	0	2 56 60 885	11 15 105	11 15 105	1 67 26 547	1 69 70 511	52 00 000	1 51 24 901	1 66 92 83 847	1 48 47 17 281	
Interest accrued but not due	3 63 10 922	0	5 99 566	26 317	26 317	3 94 758	4 07 318	0	0	3 77 65 198	4 79 79 737	
TDS Receivable	28 62 149	0	0	0	0	0	0	0	0	28 62 149	28 62 149	
Receivable from IRG Account	0	0	0	0	0	0	0	0	0	0	1 11 89 000	
Receivable from R & C Account	30 76 664	0	0	0	0	0	0	0	0	30 76 664	47 26 999	
CFWD WIP/Deposits (IRG portion)	0	11 92 22 644	0	0	0	0	0	0	0	11 92 22 644	10 68 62 644	
CFWD WIP/Deposits (HEFA Loan repaid portion)	0	7 74 00 000	0	0	0	0	0	0	0	7 74 00 000	2 58 00 000	
Total	1 64 08 58 521	19 66 22 644	2 62 60 451	11 41 422	11 41 422	1 71 21 305	1 76 66 065	63 74 008	1 79 71 404	1 92 51 57 242	1 69 11 85 761	

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


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SCHEDULE 2 (HEFA) : SECURED LOANS - HEFA LOAN

	₹	₹
Particulars	2020-21	2019-20
A. HEFA Loan		
a) Opening Balance	5 32 00 000	0
b) Additions during the year	17 12 60 803	7 90 00 000
Total (A)	22 44 60 803	7 90 00 000
B. Repayment during the Year	5 16 00 000	2 58 00 000
Closing balance at the year end (A-B)	17 28 60 803	5 32 00 000


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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE : 2 (a) ENDOWMENT FUNDS

Sl.No.	Name of the Endowment	Opening Balance As on 01-04-2020		Additions during the years		Total		Expenditure on the object during the year	Closing Balance As on 31-03-2021		Total	
		Endowment	Accumulated Interest	Endowment	Interest	Endowment	Accumulated Interest		Endowment	Accumulated Interest		
												3
1	2											
1	Dr. Sargurudas Memorial Fund	500	0	0	35	500	35	0	500	35	535	
2	Kharche Associated Fund	10 000	0	0	698	10 000	698	0	10 000	698	10 698	
3	Chettejee Memorial Fund	10 000	0	0	698	10 000	698	0	10 000	698	10 698	
4	Reunion Fund	44 065	22 512	0	3 074	44 065	25 586	0	44 065	25 586	69 651	
5	Rajalaxmi Trust Fund	3 000	0	0	209	3 000	209	0	3 000	209	3 209	
6	Balakumaran Memorial Fund	10 000	0	0	698	10 000	698	0	10 000	698	10 698	
7	Janardhan Iyengar & Seethamma Fund	20 000	0	0	1 395	20 000	1 395	0	20 000	1 395	21 395	
8	Prof. S. Muthukaruppan Fund	10 000	0	0	698	10 000	698	0	10 000	698	10 698	
9	Prof. S.H.Ibrahim Endowment Fund	25 000	0	0	1 744	25 000	1 744	0	25 000	1 744	26 744	
10	Prof. M.Sitarman Endowment Fund	25 000	0	0	1 744	25 000	1 744	0	25 000	1 744	26 744	
11	Prof.Thirumalai Arasan Mem Fund	25 000	0	0	1 744	25 000	1 744	0	25 000	1 744	26 744	
12	Dr. M. Shanmugam Fund	1 25 000	0	0	8 719	1 25 000	8 719	0	1 25 000	8 719	1 33 719	
13	Dr. M. Shanmugam Fund	2 00 000	0	0	13 951	2 00 000	13 951	0	2 00 000	13 951	2 13 951	
14	Dr. M. Shanmugam Fund	75 000	0	0	4 734	75 000	4 734	0	75 000	4 734	79 734	
15	Avinash Memorial Endowment Fund	2 00 000	0	0	13 951	2 00 000	13 951	0	2 00 000	13 951	2 13 951	
16	Neela Balasubramanian Memorial Award (Dr.B.Sekar)	1 25 000	0	0	8 719	1 25 000	8 719	0	1 25 000	8 719	1 33 719	
17	Karthik Memorial Fund(Dr.G.Swaminathan)	50 000	0	0	3 488	50 000	3 488	0	50 000	3 488	53 488	
18	Vijayalakshmi Kannan Memorial Fund	15 000	0	0	1 046	15 000	1 046	0	15 000	1 046	16 046	
19	Dr.Duraisamy Memorial Fund (Dr.TSRajan)	50 000	0	0	3 156	50 000	3 156	0	50 000	3 156	53 156	
20	RECAL NITT Fund (Ramesh Swaminathan Memorial Fund)	68 823	27 800	0	4 801	68 823	32 601	0	68 823	32 601	1 01 424	
21	Ruby & Topaz 84 Batch Endowment Fund	9 52 909	2 93 534	0	66 469	9 52 909	3 60 003	0	9 52 909	3 60 003	13 12 912	
22	Subash Chandrabose Memorial Award	75 000	0	0	4 734	75 000	4 734	0	75 000	4 734	79 734	
23	Dr.P.S.Manisudaram Endowment Fund	50 000	0	0	3 156	50 000	3 156	0	50 000	3 156	53 156	
24	Dr.P.S.Manisudaram Endowment Fund	25 000	0	0	1 744	25 000	1 744	0	25 000	1 744	26 744	
25	Oisik Adak Memorial Award(Pragyan)	40 000	0	0	2 790	40 000	2 790	0	40 000	2 790	42 790	
26	Oisik Adak Memorial Award(Pragyan)	50 001	0	0	3 488	50 001	3 488	0	50 001	3 488	53 489	
27	Oisik Adak Memorial Award(Pragyan)	2 00 000	0	0	12 623	2 00 000	12 623	0	2 00 000	12 623	2 12 623	
28	Dr.J.Raja Memorial Fund	50 000	0	0	3 156	50 000	3 156	0	50 000	3 156	53 156	
29	Prof.Joseph Martin Fernando Trophy	50 000	0	0	3 156	50 000	3 156	0	50 000	3 156	53 156	
30	S.J. Chainulu Medal of Excellence	4 00 000	0	0	27 901	4 00 000	27 901	0	4 00 000	27 901	4 27 901	
31	S.J. Chainulu Medal of Excellence	1 00 000	0	0	6 975	1 00 000	6 975	0	1 00 000	6 975	1 06 975	
32	Prof. K.S. Pandey	1 17 000	0	0	8 161	1 17 000	8 161	0	1 17 000	8 161	1 25 161	
33	M/s. Chennai Metco P. Ltd., Chennai	2 00 000	0	0	13 951	2 00 000	13 951	0	2 00 000	13 951	2 13 951	
34	Anjali Ammal	0	0	15 000 000	0	15 000 000	0	0	15 000 000	0	15 000 000	
35	Anjali Ammal (for Distribution)	0	0	1 00 000	0	1 00 000	0	0	1 00 000	0	1 00 000	
	Sub Total	34 01 298	3 43 846	16 00 000	2 33 604	50 01 298	5 77 450	0	50 01 298	5 77 450	55 78 748	
36	80 BATCH CHAIR FUND	1 00 00 000	17 88 909	0	6 03 747	1 00 00 000	23 92 656	0	1 00 00 000	23 92 656	1 23 92 656	
	TOTAL	1 34 01 298	21 32 755	16 00 000	8 37 351	1 50 01 298	29 70 106	0	1 50 01 298	29 70 106	1 79 71 404	

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 3: CURRENT LIABILITIES & PROVISIONS

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Particulars	2020-21	2019-20
A. Current Liabilities		
1. Deposits from Staff	0	0
2. Deposits from Students	8 90 02 540	7 80 91 987
3. Sundry Creditors	1 09 95 720	2 18 91 253
a) For Goods & Services	4 95 60 321	7 44 91 857
b) Others	5 29 70 565	4 97 03 375
4. Deposit-Others (including EMD, Security Deposit)		0
5. Statutory Liabilities (GPF, TDS, WC Tax, CPF, GIS, NPS):		
a) Overdue	7 48 077	5 85 517
b) Others		
6. Other Current Liabilities	10 65 02 783	10 56 94 894
a) Salaries	29 06 54 226	43 43 40 772
b) Receipts against Sponsored Projects	1 83 73 985	2 30 82 827
c) Receipts against Sponsored Fellowships & Scholarships	10 25 18 124	27 60 69 234
d) Unutilised Grants		0
e) Grants in Advance	83 149	80 925
f) Other Funds (a) TEQIP Funds	10 43 91 714	12 79 40 215
(b) CSAB 2019 Funds	6 21 95 231	2 41.70 887
g) Other Liabilities	88 79 96 435	121 61 43 743
Total (A)		
B. Provisions		
1. For Taxation	0	0
2. Gratuity	0	0
3. Superannuation/Pension	0	0
4. Accumulated Leave Encashment	0	0
6. Trade Warranties/Claims	37 63 796	0
7. Others - HEFA Loan Interest accrued		
Total (B)	37 63 796	0
Total (A+B)	89 17 60 231	121 61 43 743

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

Sl.No.	Name of the Project	Opening Balance As on 01-04-2020		Receipts/ Recoveries during the year	Total	Expenditure during the year	Closing Balance As on 31-03-2021	
		Credit	Debit				Credit	Debit
1	2	3	4	5	6	7	8	9
1	DST, New Delhi	561 51 540	0	2 35 59 972	7 97 11 512	3 38 67 482	4 58 44 030	0
2	CSIR, New Delhi	38 05 107	0	2 73 717	40 78 824	5 08 058	35 70 766	0
3	UGC/AICTE, New Delhi	25 12 322	0	57 400	25 69 722	2 18 801	23 50 921	0
4	DRDO & Defence Research Laboratories	1 87 57 597	0	1 93 50 681	3 81 08 278	1 47 89 968	2 33 18 310	0
5	MHRD & MHRD (SCSP/TSP/FWD)	49 01 280	0	1 11 982	50 13 262	0	50 13 262	0
6	MHRD-GIAN	4 49 353	0	10 267	4 59 620	0	4 59 620	0
7	SERB, New Delhi	3 60 02 318	0	88 55 379	4 48 57 697	2 40 44 637	2 08 13 060	0
8	SPARC	20056606	0	4 58 244	2 05 14 850	50 29 213	1 54 85 637	0
9	TAT/MODROB Projects	57 65 761	0	0	57 65 761	0	57 65 761	0
10	a) SIEMENS COE	12 99 94 908	0	0	12 99 94 908	12 99 94 908	0	0
	b) SIEMENS COE -Service	1 32 57 051	0	0	1 32 57 051	1 32 57 051	0	0
11	Miscellaneous Projects	4 56 50 472	0	1 15 48 111	5 71 98 583	1 00 76 694	4 71 21 889	0
12	HACKATHON	62 774	0	1 434	64 208	0	64 208	0
13	L & T - CTM Funds	2 35 58 796	0	98 86 064	3 34 44 860	37 13 037	2 97 31 823	0
14	Conference Consultancy Fund	4019655	0	7 70 887	47 90 542	6 94 254	40 96 288	0
15	Research Management Fund	82 12 396	0	2 73 256	84 85 652	3 53 209	81 32 443	0
16	ECC Fund	4 81 02 460	0	3 64 48 972	8 45 51 432	3 87 52 383	4 57 99 049	0
17	ICSR Fund	14 05 076	0	37 28 285	51 33 361	0	51 33 361	0
18	Project & Consultancy Fund	1 16 75 300	0	0	1 16 75 300	0	1 16 75 300	0
19	MEITY	0	0	64 58 259	64 58 259	2 36 000	62 22 259	0
20	Funds Due in R&C/Projects Account (S.Debtors)	0	0	0	0	0	0	66 52 149
21	Accumulated income over the period in Consultancy earnings	0	0	0	0	0	1 00 56 239	0
	TOTAL	43 43 40 772	0	12 17 92 910	55 61 33 682	27 55 35 695	29 06 54 226	66 52 149
22	TEQIP Project	80 925	0	1 76 16 515	1 76 97 440	1 76 14 291	83 149	0
	TOTAL	43 44 21 697	0	13 94 09 425	57 38 31 122	29 31 49 986	29 07 37 375	66 52 149

Note for Sl.No.17: Out of ECC Fund the ICSR Fund share of Rs.37,28,285 (Rs.6,83,767/- for FY 2020-21 and Rs.30,44,518 for the FY 2013-14 to 2019-20) is shown in FY 2020-21


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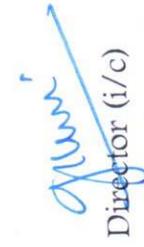
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SCHEDULE 3 (b): SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Sl. No.	Name of Sponsor	Opening Balance As on 01-04-20		Transactions During the year		Closing Balance As On 31-03-2021	
		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	1 89 72 132	0	65 06 831	1 32 60 007	1 22 18 956	0
	b) State scholarships	36 42 585	0	39 82 441	20 77 333	55 47 693	0
	c) QIP Fellowships	4 68 110	0	17 05 987	15 66 761	6 07 336	0
	TOTAL	2 30 82 827	0	1 21 95 259	1 69 04 101	1 83 73 985	0


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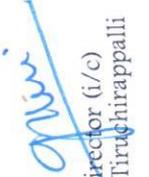

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 3 (c): UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS

Particulars	2020-21	2019-20
A. Capital Grants : Government of India, MHRD		
Balance B/F	6 15 20 090	5 66 84 358
Add : Receipts during the year	24 90 21 000	20 49 77 000
Total (a)	31 05 41 090	26 16 61 358
Less Refunds	0	0
Less : Utilized for Revenue Expenditure	20 80 22 966	20 01 41 268
Less : Utilized for Capital Expenditure	20 80 22 966	20 01 41 268
Total (b)	10 25 18 124	6 15 20 090
Unutilized carried forward (a-b)		
B. UGC Grants : Plan		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (c)	0	0
Less Refunds	0	0
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (d)	0	0
Unutilized carried forward (c-d)		
C. Govt. of India, MHRD Grants: Revenue		
Balance B/F	21 45 49 144	58 59 50 379
Add : Receipts during the year (Grant)	145 83 55 162	182 05 42 100
Total (e)	167 29 04 306	240 64 92 479
Less : Surplus IRG 2018-19 transfer to Capital Fund	0	45 94.62 685
Less : Utilized for Revenue Expenditure	167 29 04 306	173 24 80 650
Less : Utilized for Capital Expenditure	0	0
Total (f)	167 29 04 306	219 19 43 335
Unutilized carried forward (e-f)	0	21 45 49 144
D. Plan Grants : Government of India		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (g)	0	0
Less Refunds	0	0
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (h)	0	0
Unutilized carried forward (g-h)	10 25 18 124	27 60 69 234
* GRAND TOTAL (A+B+C+D)	10 25 18 124	27 60 69 234


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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

Particulars	2020-21	2019-20
A. Capital Grants : Government of India, MHRD (OH-35)		
Balance B/F	6 15 20 090	5 66 84 358
Add : Receipts during the year	24 90 21 000	20 49 77 000
Total (a)	31 05 41 090	26 16 61 358
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	20 80 22 966	20 01 41 268
Total (b)	20 80 22 966	20 01 41 268
Unutilized carried forward (a-b)	10 25 18 124	6 15 20 090
B. Govt. of India, MHRD Grants : Revenue (OH-36)		
Balance B/F	21 45 49 144	12 64 87 694
Add : Receipts during the year (Grant)	66 68 30 000	90 91 82 000
Total (c)	88 13 79 144	103 56 69 694
Less : Utilized for Revenue Expenditure	94 25 93 665	82 11 20 550
Less : Utilized for Capital Expenditure	0	0
Total (d)	94 25 93 665	82 11 20 550
Unutilized carried forward (c-d)	-6 12 14 521	21 45 49 144
Deficit balance adjusted in IRG 2020-21	6 12 14 521	0
Unutilized carried forward	0	21 45 49 144
C. Govt. of India, MHRD Grants : Revenue (OH-31)		
Balance B/F	0	45 94 62 685
Add : Receipts during the year (Grant)	79 15 25 162	91 13 60 100
Total (e)	79 15 25 162	137 08 22 785
Less : Surplus IRG 2018-19 transfer to Capital Fund		
Less : Utilized for Revenue Expenditure	0	45 94 62 685
Less : Utilized for Capital Expenditure	83 16 35 685	94 33 33 686
Total (f)	83 16 35 685	140 27 96 371
Unutilized carried forward (e-f)	-4 01 10 523	-3 19 73 586
Deficit balance adjusted in IRG 2020-21	4 01 10 523	3 19 73 586
Unutilized carried forward		
* GRAND TOTAL (A+B+C)	4 13 03 603	27 60 69 234
D. IRG Account		
Balance B/F	0	0
Add : Receipts during the year	81 72 70 081	80 53 64 249
Total (g)	81 72 70 081	80 53 64 249
Less : Refunds		
Less : Deficit balance under OH-31 an OH-36 adjusted in IRG 2020-21	10 13 25 044	3 19 73 586
Less : Utilized for Capital Expenditure	6 93 12 138	13 69 31 273
Total (h)	17 06 37 182	16 89 04 859
Surplus IRG 2020-21	64 66 32 899	63 64 59 390


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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 4: FIXED ASSETS

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2020-21				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31-03-2021	Dep Opening Balance	Depreciation for the year	Deductions/Adjustment	Total Depreciation	31-03-2021	31-03-2020
1	Land	47 09 795	0	0	47 09 795	0	0	0	0	47 09 795	47 09 795
2	Site Development	0	0	0	0	0	0	0	0	0	0
3	Buildings	2 51 77 70 449	11 60 82 995	0	2 63 38 53 444	40 11 37 124	6 60 89 451	0	46 72 26 575	2 16 66 26 869	2 11 66 33 325
4	Roads & Bridges	4 30 17 687	35 94 347	0	4 66 12 034	45 38 365	10 13 420	0	55 51 785	4 10 60 249	3 84 79 322
5	Tubewells & Water Supply	4 62 57 046	33 60 818	0	4 96 17 864	49 98 512	14 59 552	0	64 58 064	4 31 59 800	4 12 58 534
6	Sewerage & Drainage	6 16 30 299	1 14 16 802	0	7 30 47 101	57 11 735	27 27 312	0	84 39 047	6 46 08 054	5 59 18 564
7	Electrical Installation and Equipment	9 98 81 576	23 98 04 774	0	33 96 86 350	2 77 24 268	7 52 75 850	0	10 30 00 118	23 66 86 232	7 21 57 308
8	Plant & Machinery	3 35 37 471	6 30 28 382	0	9 65 65 853	81 76 975	1 81 54 558	0	2 63 31 533	7 02 34 320	2 53 60 496
9	Scientific & Laboratory Equipments	1 80 23 49 923	13 60 63 713	0	1 93 84 13 636	1 05 82 10 402	11 79 88 783	0	1 17 61 99 185	76 22 14 451	74 41 39 521
10	Office Equipments	7 19 39 241	21 91 001	0	7 41 30 242	5 17 81 300	37 09 319	0	5 54 90 619	1 86 39 623	2 01 57 941
11	Audio Visual Equipments	1 34 35 864	39 41 064	0	1 73 76 928	44 19 593	21 96 392	0	66 15 985	1 07 60 943	90 16 271
12	Computers & Peripherals	34 45 74 554	2 33 89 210	0	36 79 63 764	28 82 33 987	2 59 55 635	0	31 41 89 622	5 37 74 142	5 63 40 567
13	Furniture, Fixtures & Fittings	17 80 65 646	78 89 084	0	18 59 54 730	8 85 28 797	1 26 56 466	0	10 11 85 263	8 47 69 467	8 95 36 849
14	Vehicles	1 47 79 668	0	0	1 47 79 668	86 77 888	10 16 202	0	96 94 090	50 85 578	61 01 780
15	Lib. Books & Scientific Journals	5 95 20 056	50 71 645	0	6 45 91 701	3 98 80 631	49 23 147	0	4 48 03 778	1 97 87 923	1 96 39 425
16	Small Value Assets	23 387	0	0	23 387	23 387	0	0	23 387	0	0
	Total (A)	5 29 14 92 662	61 58 33 835	42 68 01 322	5 90 73 26 497	1 99 20 42 964	33 31 66 087	0	2 32 52 09 051	3 58 21 17 446	3 29 94 49 698
17	Capital Work in Progress (B)	1 59 99 10 372	9 84 77 615	0	1 27 15 86 665	0	0	0	0	1 27 15 86 665	1 59 99 10 372
	Total (A+B)	6 89 14 02 034	71 42 10 450	42 68 01 322	7 17 89 13 162	1 99 20 42 964	33 31 66 087	0	2 32 52 09 051	4 85 37 03 311	4 89 93 60 070
	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/Adjustment	Total Amortization	31-03-2021	31-03-2020
18	Computer Software (Incl. SIEMENS)*	97 80 44 064	40 77 158	0	98 21 21 222	96 81 66 914	96 39 376	0	97 78 06 290	43 14 932	98 77 150
19	E-Journals	4 86 89 503	8 49 351	0	4 95 38 854	4 86 89 503	3 39 740	0	4 90 29 243	5 09 611	0
20	Patents	37 77 374	8 25 045	0	46 02 419	8 23 277	5 11 380	0	13 34 657	32 67 762	29 54 097
21	SIEMENS IP	5 14 88 606	0	0	5 14 88 606	1 14 41 912	57 20 956	0	1 71 62 868	3 43 25 738	4 00 46 694
	Total (C)	1 08 19 99 547	57 51 554	0	1 08 77 51 101	1 02 91 21 606	1 62 11 452	0	1 04 53 33 058	4 24 18 043	5 28 77 941
	Grand Total (A+B+C)	7 97 34 02 581	72 00 63 004	42 68 01 322	8 26 66 64 263	3 02 11 64 570	34 93 77 539	0	3 37 05 42 109	4 89 61 22 154	4 95 22 38 011

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 ₹68,93,648/-.

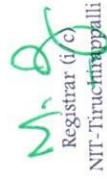
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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 4(a): FIXED ASSETS - Capital Grant & IRG

SL.No.	Assets Heads	Gross Block				Depreciation for the year 2020-21				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31-03-2021	Dep Opening Balance	Depreciation for the year	Deductions/Adjustment	Total Depreciation	31-03-2021	31-03-2020
1	Land	47 09 795	0	0	47 09 795	0	0	0	0	47 09 795	47 09 795
2	Site Development	0	0	0	0	0	0	0	0	0	0
3	Buildings	2 51 77 70 449	11 60 82 995	0	2 63 38 53 444	40 11 37 124	6 60 89 451	0	46 72 26 575	2 16 66 26 869	2 11 66 33 325
4	Roads & Bridges	4 30 17 687	35 94 347	0	4 66 12 034	45 38 365	10 13 420	0	55 51 785	4 10 60 249	3 84 79 322
5	Tubewells & Water Supply	4 62 57 046	33 60 818	0	4 96 17 864	49 98 512	14 59 552	0	64 58 064	4 31 59 800	4 12 58 534
6	Sewerage & Drainage	6 16 30 299	1 14 16 802	0	7 30 47 101	57 11 735	27 27 312	0	84 39 047	6 46 08 054	5 59 18 564
7	Electrical Installation and Equipment	9 98 09 546	23 98 04 774	0	33 96 14 320	2 77 13 462	7 52 72 248	0	10 29 85 710	23 66 28 610	7 20 96 084
8	Plant & Machinery	3 33 69 321	6 30 28 382	0	9 63 97 703	81 68 567	1 81 46 150	0	2 63 14 717	7 00 82 986	2 52 00 754
9	Scientific & Laboratory Equipments	1 70 43 78 628	13 60 63 713	0	1 84 04 42 341	1 04 10 18 452	11 01 51 079	0	1 15 11 69 531	68 92 72 810	66 33 60 176
10	Office Equipments	7 19 39 241	21 91 001	0	7 41 30 242	5 17 81 300	37 09 319	0	5 54 90 619	1 86 39 623	2 01 57 941
11	Audio Visual Equipments	1 33 40 305	39 41 064	0	1 72 81 369	43 98 092	21 89 225	0	65 87 317	1 06 94 052	89 42 213
12	Computers & Peripherals	34 41 32 563	2 33 89 210	0	36 75 21 773	28 80 10 529	2 58 67 237	0	31 38 77 766	5 36 44 007	5 61 22 034
13	Furniture, Fixtures & Fittings	17 78 77 646	78 89 084	0	18 57 66 730	8 84 72 397	1 26 42 366	0	10 11 14 763	8 46 51 967	8 94 05 249
14	Vehicles	1 47 34 008	0	0	1 47 34 008	86 64 190	10 11 636	0	96 75 826	50 58 182	60 69 818
15	Lib. Books & Scientific Journals	5 95 20 056	50 71 645	0	6 45 91 701	3 98 80 631	49 23 147	0	4 48 03 778	1 97 87 923	1 96 39 425
16	Small Value Assets	23 387	0	0	23 387	23 387	0	0	23 387	0	0
	Total (A)	5 19 25 09 977	61 58 33 835	42 68 01 322	5 80 83 43 812	1 97 45 16 743	32 52 02 142	0	2 29 97 18 885	3 50 86 24 927	3 21 79 93 234
17	Capital Work in Progress (B)	1 59 99 10 372	9 84 77 615	0	1 27 15 86 665	0	0	0	0	1 27 15 86 665	1 59 99 10 372
	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/Adjustment	Total Amortization	31-03-2021	31-03-2020
18	Computer Software	13 88 26 791	40 77 158	0	14 29 03 949	12 89 49 641	96 39 376	0	13 85 89 017	43 14 932	98 77 150
19	E-Journals	4 86 89 503	8 49 351	0	4 95 38 854	4 86 89 503	339740	0	4 90 29 243	509611	0
20	Patents	37 77 374	8 25 045	0	46 02 419	8 23 277	5 11 380	0	13 34 657	32 67 762	29 54 097
21	SIEMENS' IP	5 14 88 606	0	0	5 14 88 606	1 14 41 912	57 20 956	0	1 71 62 868	3 43 25 738	4 00 46 694
	Total (C)	24 27 82 274	57 51 554	0	24 85 33 828	18 99 04 333	1 62 11 452	0	20 61 15 785	4 24 18 043	5 28 77 941
	Grand Total (A+B+C)	7 03 52 02 623	72 00 63 004	42 68 01 322	7 32 84 64 305	2 16 44 21 076	34 14 13 594	0	2 50 58 34 670	4 82 26 29 635	4 87 07 81 547

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


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

Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2020-21				Net Block	
		Op Balance	Additions	Deductions	Cl Balance	Dep Opening Balance	Depreciation for the year	Deductions/Adjustment	Total Depreciation	31-03-2021	31-03-2020
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	72 030		0	72 030	10 806	3 602	0	14 408	57 622	61 224
8	Plant & Machinery	1 68 150		0	1 68 150	8 408	8 408	0	16 816	1 51 334	1 59 742
9	Scientific & Laboratory Equipments	9 79 71 295		0	9 79 71 295	1 71 91 950	78 37 704	0	2 50 29 654	7 29 41 641	8 07 79 345
10	Office Equipments	0		0	0	0	0	0	0	0	0
11	Audio Visual Equipments	95 559		0	95 559	21 501	7 167	0	28 668	66 891	74 058
12	Computers & Peripherals	4 41 991		0	4 41 991	2 23 458	88 398	0	3 11 856	1 30 135	2 18 533
13	Furniture, Fixtures & Fittings	1 88 000		0	1 88 000	56 400	14 100	0	70 500	1 17 500	1 31 600
14	Vehicles	45 660		0	45 660	13 698	4 566	0	18 264	27 396	31 962
15	Lib.Books & Scientific Journals	0		0	0	0	0	0	0	0	0
16	Small Value Assets	0		0	0	0	0	0	0	0	0
	Total (A)	9 89 82 685	0	0	9 89 82 685	1 75 26 221	79 63 945	0	2 54 90 166	7 34 92 519	8 14 56 464
17	Capital Work in Progress (B)	0		0	0	0	0	0	0	0	0
	Total (B)	0	0	0	0	0	0	0	0	0	0
Sl.No.	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amort. Op Balance	Amorti. for the year	Deductions/Adjustment	Total Amortization	31-03-2021	31-03-2020
18	Computer Software (SIEMENS)	83 92 17 273	0	0	83 92 17 273	83 92 17 273	0	0	83 92 17 273	0	0
19	E-Journals	0	0	0	0	0	0	0	0	0	0
20	Patents	0	0	0	0	0	0	0	0	0	0
21	SIEMENS IP	0	0	0	0	0	0	0	0	0	0
	Total (C)	83 92 17 273	0	0	83 92 17 273	83 92 17 273	0	0	83 92 17 273	0	0
	Grand Total (A+B+C)	93 81 99 958	0	0	93 81 99 958	85 67 43 494	79 63 945	0	86 47 07 439	7 34 92 519	8 14 56 464

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

Sl. No.	Particulars	2020-21	2019-20
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	166 92 83 847	148 47 17 281
7	Others (to be specified)	0	0
	Total	166 92 83 847	148 47 17 281


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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 5 (a): INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE)

Sl.No.	Particulars	2020-21	2019-20
1	Corpus Fund Investments	1 58 73 70 793	1 40 86 52 128
2	Staff Development Fund Investments	2 56 60 885	2 38 19 654
3	Maintenance Fund Investments	11 15 105	10 45 118
4	Depreciation Fund Investments	11 15 105	10 45 118
5	Student Welfare Fund Investments	1 67 26 547	1 56 76 748
6	ECC Fund Investments	1 69 70 511	1 58 87 218
7	AIIC Fund Investments	52 00 000	52 00 000
8	Endowment Fund Investments	1 51 24 901	1 33 91 297
Total		1 66 92 83 847	1 48 47 17 281


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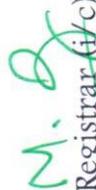

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SCHEDULE 6 : INVESTMENTS - OTHERS

		₹	2020-21	2019-20	
Sl.No.	Particulars				₹
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
	Total		0		0


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

	₹	₹
Particulars	2020-21	2019-20
1. Stock		
a) Stores and Spares	0	0
b) Loose Tools	0	0
c) Publications	0	0
d) Laboratory chemicals, Consumables and glass ware	0	0
e) Building Material	0	0
f) Electrical Material	0	0
g) Stationery	0	0
h) Water supply Materials	0	0
2. Sundry Debtors		
a) Debts Outstanding for a period of exceeding six months	0	0
b) Other ()	2 46 16 051	1 77 90 118
3. Cash and bank Balances (inc.Stamp on Hand)		
Stamp on Hand :	48 512	2 80 623
a) With Scheduled Banks:-		
- In Current Accounts	3 76 94 234	1 89 14 569
- In Term Deposit Accounts	175 45 38 229	157 71 44 683
- In Savings Accounts	66 34 25 423	49 55 40 739
b) With Non-Scheduled Banks:-		
- In Term Deposit Accounts	0	0
- In Savings Accounts	0	0
4. Post Office-Savings Accounts	0	0
Total	2 48 03 22 449	2 10 96 70 732


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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
I. Savings Bank Account				
1. PLAN Account	A	SBI, NITT	10023882957	12 95 61 249
2. NON PLAN Account	B	SBI, NITT	10023882946	30 01 75 822
3. CANARA Bank Account	B	Theppakulam, Trichy	36127	2 30 938
4. TEQIP Account	C	SBI, NITT	10023883008	83 149
5. ECC Account	D	SBI, NITT	10023883064	5 09 32 411
6. CORFUS and Other Funds Account	F	SBI, NITT	10023883097	1 12 37 993
7. Research & Development Funds	G	SBI, NITT	10023883042	15 75 13 725
8. SCHOLARSHIPS Account	H	SBI, NITT	10023883019	55 47 693
9. Research Management Fund		SBI, NITT	33076404999	81 32 443
10. HP Account (Balance & Demand Remittance A/c)		SBI, NITT	30165680347	10 000
II. Current Account				
1. Service Tax Account		SBI, NITT	34837295014	10 14 706
2. Student Fee Account		SBI, NITT	35821815354	10 000
3. Foreign Exchange Transactions Account		SBI, NITT	10891414445	1 60 69 505
4. EIGHTY BATCH CHAIR FUND Account	HEK	SBI, NITT	36736417068	24 02 655
5. PG Fees Account		SBI, NITT	38127411825	1 00 467
6. Other Fees Account		SBI, NITT	38127412035	34 625
7. Canara Bank Escrow Principal Account		Canara Bank, Thuvakudi	3314201000215	3 65 540
8. Canara Bank Escrow Interest Account		Canara Bank, Thuvakudi	3314201000216	0
9. CSAB 2019 - 311 Account		SBI, NITT	38557109311	55 01 147
10. CSAB 2019 - 220 Account		SBI, NITT	38557109220	51 650
11. Conference Consultancy Account		SBI, NITT	38322028974	40 96 288
12. SERB Account		SBI, NITT	38861623683	52 01 938
13. AIIC Account		SBI, NITT	37836124626	11 74 008
14. ISRO-STIC Account		SBI, NITT	39350595374	16 71 706
III. Term Deposits with Schedule Banks				
1. Plan/IRG Deposits				87 15 98 623
2. Canara Bank Escrow Principal Account				2 73 00 473
3. Non-Plan Deposits				43 39 66 575
4. PG Fees Account Deposits (MOD)				26 41 76 572
5. R & C Funds				5 19 91 760
6. ECC Funds				1 00 00 000
7. CSAB 2019 Deposits				9 55 04 226
Total				2 45 56 57 886


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

Particulars	2020-21	2019-20
1. Advance to Employees (Non-Interest Bearing)		
a) Salary	0	0
b) Festival	7 200	7 200
c) LTC	23 681	0
d) Medical Advance	1 20 361	4 72 110
e) Other (to be specified)	0	0
2. Long Term Advance to Employees (Interest Bearing)		
a) Vehicles Loan	16 80 369	20 60 451
b) Home Loan	0	0
c) Other (to be specified)-Computer Loan	18 24 510	21 99 366
3. Advances and Other amount recoverable in Cash or in kind or for Value to be received:		
a) On Capital Account- Deposits with CPWD	22 32 01 271	11 99 79 283
b) To Suppliers	9 47 090	9 47 090
c) Other (to be specified)-Contingency Non-Plan : 41 79 211 and R&C : 7 00 000	48 79 211	1 23 60 061
4. Prepaid Expenses		
a) Insurance	26 78 665	28 27 490
b) Other Expenses	1 72 03 704	2 12 44 900
5. Deposits		
a) Telephone	1 03 079	53 079
b) Lease Rent	0	0
c) Electricity	1 37 82 190	1 32 65 870
d) AICTE, if applicable	0	0
f) Others (to be specified)	0	0
6. Income Accrued:		
a) On Investments from Earmarked/Endowment Funds	3 77 65 198	4 79 79 737
b) On Investment Others	3 53 31 977	2 26 22 592
c) On Loans and Advances	0	0
d) Others (includes income due unrealized) CSAB 2019 Investment	33 34 691	52 99 938
7. Other-Current Assets receivable from UGC/Sponsored Projects		
a) Debit Balances in Sponsored Projects	66 52 149	14 32 51 959
b) Debit Balances in Fellowship & Scholarship(QIP)	0	15 66 761
c) Grants Receivables	0	0
d) Other Receivables	31 54 700	78 036
8. Claims Receivables (Corpus TDS: 28 62 785 & HEFA TDS: 1 22 970)	29 85 755	28 62 785
Total	35 56 75 801	39 90 78 708


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

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

Particulars	₹	
	2020-21	2019-20
Fees from Students		
Academic		
1. Tuition Fee (including share of corpus fund - Rs.6,08,00,000)	54 33 30 687	* 52 71 01 277
2. Admission Fee	45 44 000	46 16 000
3. Enrolment Fee / Convocation Fee	95 18 800	1 14 08 100
4. Library Admission Fee	1 76 17 900	1 79 75 700
5. Laboratory Fee / Computer Fee	1 66 41 150	1 58 99 000
6. Art & Craft Fee / Sports Fee	15 32 900	84 62 900
7. Registration Fee	27 64 050	26 08 200
8. Syllabus Fee/ MBA Fee	63 95 450	67 50 000
Total (A)	60 23 44 937	59 48 21 177
Examinations		
1. Admission Test Fee	0	0
2. Annual Examination Fee	1 38 94 667	1 35 69 330
3. Mark Sheet, Certificate Fee	5 51 952	12 33 143
4. Entrance Examination Fee	0	0
Total (B)	1 44 46 619	1 48 02 473
Other Fees		
1. Identity Card Fee	0	0
2. Fine / Miscellaneous Fee	64 62 572	66 83 696
3. Medical Fee	5 66 650	5 76 450
4. Transportation Fee/Bus Fare Collection	86 425	9 64 494
5. Hostel Fee	0	0
Total (C)	71 15 647	82 24 640
Sale of Publications		
1. Sale of Admission forms	18 07 350	12 95 000
2. Sale of Syllabus and Question Paper, etc.	0	0
3. Sale of Prospectus including Admission Forms	0	0
Total (D)	18 07 350	12 95 000
Other Academic Receipts		
1. Registration fee for Workshops, Programmes	0	0
2. Registration fee (Academic Staff College)	2 24 73 500	2 24 25 747
3. Campus Development Fee (including share of Corpus Fund Rs.1,12,000000)	2 24 73 500	2 24 25 747
Total (E)	64 81 88 053	64 15 69 037
Grand Total (A+B+C+D+E)		

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

Particulars	CAPITAL			Total Capital	REVENUE		2020-21	2019-20
	Govt.of India MHRD	UGC			Govt.of India MHRD			
		Capital	Specific Schemes					
Balance B/F	6 15 20 090	0	0	6 15 20 090	21 45 49 144		27 60 69 234	64 26 34 737
Add : Receipts during the year	24 90 21 000	0	0	24 90 21 000	1 45 83 55 162		1 70 73 76 162	2 02 55 19 100
Grant	0	0	0	0	0		0	0
Interest Income	31 05 41 090	0	0	31 05 41 090	1 67 29 04 306		1 98 34 45 396	2 66 81 53 837
Total								
Less : Surplus IRG 2018-19 transfer to Capital Fund	0	0	0	0	0		0	45 94 62 685
Balance	31 05 41 090	0	0	31 05 41 090	1 67 29 04 306		1 98 34 45 396	2 20 86 91 152
Less : Utilised for Capital Expenditure (A)	20 80 22 966	0	0	20 80 22 966	0		20 80 22 966	20 01 41 268
Balance	10 25 18 124	0	0	10 25 18 124	1 67 29 04 306		1 77 54 22 430	2 00 85 49 884
Less : utilised for Revenue Expenditure (B)	0	0	0	0	1 67 29 04 306		1 67 29 04 306	1 73 24 80 650
Balance C/F (C)	10 25 18 124	0	0	10 25 18 124	0		10 25 18 124	27 60 69 234

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

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

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

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


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SCHEDULE 11 : INCOME FROM INVESTMENTS

₹ . . . ₹

Particulars	Earmarked / Endowment Funds		Other investments	
	2020-21	2019-20	2020-21	2019-20
1) Interest				
a) On Government Securities	0	0	0	0
b) Other Bonds/Debentures	0	0	0	0
2) Interest on Term Deposits	5 29 62 573	4 38 91 769	6 41 44 457	5 24 40 288
3) Income accrued but not due on Term Deposits/Interest bearing advance to employee	3 77 65 198	4 79 79 737	0	0
4) Interest on Savings Bank Accounts	1 44 937	1 85 009	0	0
5) Others (Specify)	0	0	0	0
Total	9 08 72 708	9 20 56 515	6 41 44 457	5 24 40 288
Transferred to Earmarked / Endowment Funds	9 08 72 708	9 20 56 515	0	0
Balance	0	0	0	0


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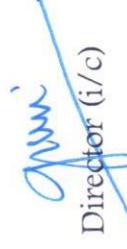
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SCHEDULE 12 : INTEREST EARNED

	₹	₹
Particulars	2020-21	2019-20
1) On Savings Accounts with Scheduled Banks	81 38 713	1 14 25 982
2) On Loans		
a) Employee/Staff	4 84 948	10 55 795
b) Others	0	0
3) On Debtors, EB (SD) and Other Receivables	7 56 155	8 64 087
Total	93 79 816	1 33 45 864


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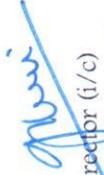

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 13 : OTHER INCOME

Particulars	2020-21	2019-20
A. Income from Land & Building:		
1. Hostel Room Rent	2 95 39 547	4 65 09 854
2. License Fee Qtrs	64 45 580	80 55 442
3. Hire Charges of Auditorium/Play Ground/Convention Centre, Commercial Complex	20 88 443	1 49 59 209
4. Electricity charge recovered	2 55 67 042	7 72 19 459
5. Water charges recovered	17 35 308	28 40 306
Total (A)	6 53 75 920	14 95 84 270
B. Sale of Institute's Publications (B)	0	0
C. Income from Holding Events:		
1. Gross Receipts from Annual Function/Sports Carnival	0	0
Less: Direct Expenditure incurred on the Annual Function/Sports Carnival	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
Total (C)	0	0
D. Others:		
1. Income from Consultancy	19 14 266	38 88 555
a) Honorarium to staff	0	0
2. RTI Fees	430	580
3. Income from Royalty	0	0
4. Sale of Application Form (Recruitment)	41 16 075	10 59 958
5. Misc. Receipts (Sale of Tender Form, Waste Paper etc.)	10 71 347	25 47 337
6. Profit on Sale/Disposal of Assets:-		
a) Owned Assets (under buy back purchase)	0	4 04 922
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	79 84 300	1 54 82 000
b) QIP Fellowship from AICTE	0	0
Total (D)	1 50 86 418	2 33 83 352
Grand Total (A+B+C+D)	8 04 62 338	17 29 67 622


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

Particulars	2020-21	2019-20
1. Academic Receipts	0	0
2. Income from Investments	0	0
3. Intrest earned	0	0
4. Other Income	1 50 95 417	1 42 30 438
Total	1 50 95 417	1 42 30 438


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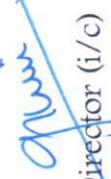

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 15 : STAFF PAYMENTS & BENEFITS (Establishment Expenses)

Particulars	2020-21	2019-20
a) Salaries and Wages	80 65 16 166	75 53 18 727
b) Allowances and Bonus	3 14 36 592	58 51 432
c) Contribution to Provident Fund/EPF	21 98 109	23 22 740
d) Contribution to Other Fund (NPS)	5 25 25 908	4 37 94 626
e) Staff Welfare Expenses	10 66 499	10 90 715
f) Retirement and Terminal Benefits	23 17 29 650	18 07 06 503
g) LTC Facility	2 55 74 992	92 03 211
h) Medical Facility	1 77 03 321	2 13 83 452
i) Children Education Allowance	9 40 000	75 00 000
j) Honorarium	38 07 283	59 06 725
k) Others (Specify) Outsources exp.	12 81 47 842	10 17 39 824
Total	1 30 16 46 362	1 13 48 17 955

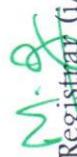

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 16 : ACADEMIC EXPENSES

	₹	₹
Particulars	2020-21	2019-20
a) Laboratory Expenses /DOC	32 86 295	70 68 507
b) Field Work / Participation	0	0
c) Seminar / Workshop	3 23 806	27 26 005
d) Payment to Visiting Faculty	1 38 20 368	2 01 06 382
e) Examination	0	0
f) Student Welfare Expenses	76 72 246	83 83 287
g) Admission Expenses	15 40 006	12 14 683
h) Convocation Expenses	28 04 045	38 76 129
i) Publications	0	0
j) Stipend / Means-cum-Merit Scholarship	25 21 70 637	28 75 57 352
k) Subscription Expenses E-Journals	3 39 10 462	3 43 80 375
l) Others (Specify)		
a) Siemens COE Reaserch Expenses	82 85 580	82 85 580
b) Sports & Games, NCC/NSS,etc	2 35 477	33 63 754
Total	32 40 48 922	37 69 62 054


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 17 : ADMINISTRATIVE AND GENERAL EXPENSES

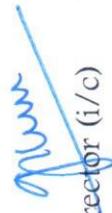
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₹

Particulars	2020-21	2019-20
A Infrastructure		
a) Electricity and Power	4 26 27 549	8 44 92 263
b) Water Charges	1 50 59 635	1 90 00 800
c) Insurance	28 59 869	20 68 575
d) Rent, Rates and Taxes (including Property Tax)	17 06 289	25 93 116
B Communication		
e) Postage & Telegram	2 67 511	3 64 920
f) Telephone Fax and Internet Charges	60 03 214	53 88 182
C Others		
g) Printing and Stationary	18 06 148	30 02 845
h) Travelling and Conveyance Expenses	5 217	47 03 234
i) Hospitality	9 43 254	13 93 313
j) Auditors Remuneration		95 100
k) Professional Charges	4 94 472	36 03 372
l) Advertisement and Publicity	27 77 300	21 89 772
m) Magazines & Journals	2 12 190	8 62 938
n) Others (Specify)		
Board/Finance Committee Meeting Exp.	10 50 972	60 76 618
Other Exp (NIT Transit House - 3 50 000/- + Misc. Exp. - 6 84 218/-)	20 75 064	20 65 274
Total	7 78 88 684	13 79 00 322


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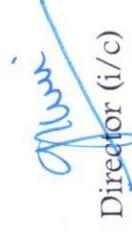
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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 18 : TRANSPORTATION EXPENSES

Particulars	2020-21	2019-20
1. Vehicles (Owned by Institution)		
a) Running Expenses	7 32 170	16 56 009
b) Repairs & Maintenance	20 40 267	16 88 465
c) Insurance Expenses	0	4 00 526
2. Vehicles taken on Rent / Lease		
a) Rent / Lease Expenses	8 77 759	19 59 007
3. Vehicle(Taxi) hiring Expenses	0	0
Total	36 50 196	57 04 007


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 19 : REPAIRS & MAINTENANCE

	₹	₹
Particulars	2020-21	2019-20
a) Buildings	2 04 79 201	3 62 20 605
b) Furniture & Fixtures	40 479	17 67 069
c) Plant & Machinery	0	54 353
d) Office Equipments	13 997	91 108
e) Computers	40 96 677	91 14 617
f) Laboratory & Scientific equipment	7 32 752	23 89 759
g) Audio Visual equipment	4 56 731	6 60 541
h) Cleaning Material & Services	0	0
i) Book Binding Charges	0	0
j) Gardening	53 41 821	76 73 318
k) Estate Maintenance	3 27 86 337	2 73 02 887
l) Others (Specify)	0	0
AMC	38 97 036	56 04 095
Total	6 78 45 031	9 08 78 352


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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 20 : FINANCE COSTS

Particulars	2020-21	2019-20
a) Bank Charges	6 40 893	2 85 959
b) Others (HEFA Loan Interest)	1 06 88 978	13 60 100
Total	1 13 29 871	16 46 059


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 21 : OTHER EXPENSES

	₹	₹
Particulars	2020-21	2019-20
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	0	0
Total	0	0


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 22 : PRIOR PERIOD EXPENSES

Particulars	₹	
	2020-21	2019-20
1. Establishment Expenses	0	72 35 868
2. Academic Expenses	0	6 34 033
3. Administrative Expenses	0	75 78 542
4. Transportation Expenses	0	27 848
5. Repairs & Maintenance	0	10 69 196
6. Other Expenses (GST Payment)	0	0
Total	0	1 65 45 487


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**SCHEDULES FORMING PART
OF
ACCOUNTS**

SCHEDULE: 23

SIGNIFICANT ACCOUNTING POLICIES

1. BASIS FOR PREPARATION OF ACCOUNTS

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

2. REVENUE RECOGNITION

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

3. FIXED ASSETS AND DEPRECIATION

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

- 3.2 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
- 3.3 The Completed Capital Deposit works to the value of ₹ 42.68 Crores added to Fixed assets and the depreciation provided from the year of completion of work.
- 3.4 The depreciation amounts to ₹ 34,93,77,539/- for the Year 2020-21, of which ₹ 34,24,83,891/- is exhibited under Income and Expenditure Account and ₹ 68,93,648/- 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 and when purchased and hence no closing stock for the same shown in the Balance Sheet. Franking stamp on hand alone is exhibited in schedule 7(3).

5. RETIREMENT BENEFITS

The Liability as on 31st March 2021, for Retirement Benefits were ascertained by Actuary. The details are as follows:

Particulars	Current ₹	Non-Current ₹	Total ₹
Gratuity	1,57,19,838	32,65,05,125	34,22,24,963
Leave Encashment	4,14,20,556	53,72,33,869	57,86,54,424
Pension	4,85,52,269	409,19,22,272	414,04,74,542
Total	10,56,92,663	495,56,61,266	506,13,53,929

Provision of funds for retirement benefits can be made by the Institute only after receipt of necessary grants from Ministry of Education (MoE), for this purpose. As such, provision requirement is only disclosed under Notes on Accounts, in lieu of Schedule- 15A (Employees retirement and terminal benefits) of Uniform form of Accounts.

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 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as Grants receivables under Schedule 8(7.c)

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

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

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

10. SPONSORED PROJECTS:

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

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

11. INCOME TAX

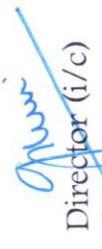
11.1 The income of the Institution is exempt from Income Tax under Section 10(23c) of the Income Tax Act. No provision for tax is therefore required to be made in the accounts.

11.2 The Institute is registered under section 12AA of the Income Tax Act, 1961 vide DIN & Order No.ITBA/EXM/S/12AA/2020-21/1030087542(1) dated 25/01/2021

11.3 The Institute has obtained approval under section 80G(5)(vi) of the Income Tax Act, 1961 vide DIN & Order No.ITBA/EXM/S/80G/2020-21/1030546628(1) dated 11/02/2021.


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Director (i/c)

NIT-Tiruchirappalli

SSSCHEDULE: 24

CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

A. CONTINGENT LIABILITY

- A) 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	2
Others	29

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 Ministry of Education (MoE), New Delhi. The deposits released to CPWD during the year 2020-21 is ₹20.17 crore (Grant:13.23 Cr, HEFA:5.70 Cr, IRG:1.24 Cr) The completed deposit works to the value of ₹ 42.68 Crores is added to the Fixed Assets in 2020-21. As on 31.03.2021.

2. FIXED ASSETS:

- 2.1 Additions in the year to Fixed Assets in Schedule 4 include Assets purchased out of Capital Grant & IRG ₹ 72,00,63,004/-.
- 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 1.4.2020	Additions during year 2020-21	Deductions during year 2020-21	Total as on 31.3.2021
Building	1,24,61,820	-	-	1,24,61,820
Electrical Installation	3,49,973	-	-	3,49,973
Equipment & Tools	20,05,21,260	1,34,78,021	-	21,39,99,281
Computers & Peripherals	76,02,470	-	-	76,02,470
Computer Software	1,07,78,288	-	-	1,07,78,288
Furniture & Fixtures	47,96,678	-	-	47,96,678
Library Books	2,77,31,981	-	-	2,77,31,981
Total	26,42,42,470	1,34,78,021	-	27,77,20,491

- 2.4 Fixed assets in Schedule 4 does not includes assets purchased out of Funds of Sponsored Projects during the year 2020-21
The details of such Assets are:

Assets	Original cost as on 1.4.2020	Additions during year 2020-21	Deduction/ Capitalized	Total	Notional Depreciation Opening Balance	Notional Depreciation for the year 2020-21	Deduction / Acc. Depreciated on	Total Notional Depreciation	Total Book value as on 31.3.2021
	₹	₹	₹	₹	₹	₹	₹	₹	₹
Equipment & Tools	966464488	20813505	-	117459993	191077794	9396799	-	28504593	99955400
Computers & Peripherals	8530891	2673035	-	11203926	4103058	2240785	-	6343843	4860083
Computer Software	2621188	720000	-	3341188	2583524	325664	-	2909188	432000
Total	107798567	24206540	-	132005107	25794376	11963249	-	37757625	94247482

2.5 SIEMEN'S - COE Accounts - Treatment in Institute Accounts for the Total Funds of ₹ 20,64,60,197/- released by the Institute through Ministry of Education (MoE) 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	-	-
Total	206460197	46809354	1716287	140437929	134794103	8285580	16571160

NITT Portion	Amount ₹	2019-20			2020-21			Exhibition in Annual Accounts 2020-21
		Capital	Revenue	Current Assets & Advances	Revenue	Current Assets & Advances	Balance	
Service	24856740	-	8285580	8285580	8285580	0	Schedule 16 and 8	
IP (Research)	51488606	-	-	-	-	-	-	
Software	64305981	-	-	-	-	-	-	
Hardware	65808870	-	-	-	-	-	Schedule 4 and 1	
Total	206460197	-	8285580	8285580	8285580	-		

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	-	
IP (Research)	758301225	-	649960116	108341109	-	108341109	Schedule 3(a) and 8	
Software	839168902	839168902	-	-	-	-	Schedule 4 and 1	
Hardware	86170594	-	-	86170594	86170594	-	-	
Total	1723411876	839168902	649960116	234282858	86170594	148112264	-	

3. EXPENDITURE IN FOREIGN CURRENCY:

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

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

4. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS

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

5. 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 ₹ 21.37 crores for phase II as detailed below for the FY 2019-20 & 2020-21.

Phase	Loan Scheme	Rs.in Crores					Interest payment made through Grant as on 31.03.2021
		Sanctioned Loan Amount	Released Loan Amount	Repayment of Loan Principal through IRG	Loan Balance	Interest Due up to 31.03.2021	
Phase - I	Window-I*	51.60	25.02	7.74	17.28	1.21	0.83
Phase - II	Window-I*	21.37	0.00	0.00	0.00	0.00	0.00
TOTAL		72.97	25.02	7.74	17.28	1.21	0.83

* Window-I : 100% principal repayment will be paid by Institute from IRG and the Interest portion will be paid out of Grant.

The HEFA loan balance of ₹ 17.28 crores as on 31.03.2021 is shown under Schedule 2: Secured Loans - HEFA Loans.

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 31st March 2021 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 2020-21 have been attached, to the Institutions' Accounts.


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RECEIPTS AND PAYMENT ACCOUNT

National Institute of Technology, Tiruchirappalli-620 015
Receipts and Payments Accounts for the Period/Year Ended on 31-03-2021

Receipts	2020-21	Payments	2020-21
I. Opening Balance		I. Expenses	
a) Cash Balance	0	a) Establishment Expenses	1 17 99 04 996
b) Bank Balance		b) Academic Expenses	29 29 42 048
i. In current accounts	1 89 14 569	c) Administrative Expenses	7 30 03 531
ii. Savings accounts	49 55 40 739	d) Transportation Expenses	36 43 928
iii. In Deposit accounts	0	e) Repairs & Maintenance	6 17 96 502
II. Grants Received		f) Prior Period Expenses	0
a) From Govt of India	1 70 73 76 162	g) Finance cost	75 66 075
Grant receivable received	0	II. Payments Against Earmarked/Endowment Funds	0
b) From State Government	0	III. Payments Against Sponsored Projects/Schemes	13 86 66 529
C) From other Sources	0	Fixed Assets(R & C): 2 42 06 540, Revenue Exp: 9 68 45 698	
III. Academic Receipts	62 88 09 726	Fixed Assets(Tecip): 1 34 78 021, Revenue Exp.: 41 36 270	
IV. Receipts Against Earmarked/Endowment Funds	39 82 441	IV. Payment against Sponsored Fellowships/Scholarships	20 77 333
V. Receipts Against Sponsored Projects/Schemes	11 37 35 892	V. Investments and Deposits made	
Sponsored Project : 9 61 19 377		a) Out of Earmarked/Endowments Funds	
TEQIP : 1 76 16 515		b) Out of own funds (others)	
VI. Receipts against Sponsored Fellowships/Scholarships	0	VI. Term Deposits with Scheduled Banks	1 29 29 18 690
VII. Income Investments From		VII. Expenditure on fixed Assets and capital works-in Progress	0
a) Earmarked/Endowment funds	18 33 604	a) Fixed Assets	18 63 92 708
b) Other Investments	4 43 76 864	b) Capital Works-in Progress	20 16 99 603
VIII. Interest Received on		VIII. Other Payments including statutory payments	0
a) Bank Deposits/EB Deposit	10 00 93 905	IX. Refunds of Grants	0
b) Loans and Advances	0	X. Deposits and Advances	1 54 55 85 904
C) Savings Bank Accounts	79 93 639	XI. Other Payments. - Sundry Creditors	18 98 94 169
IX. Investments encashed	1 11 00 85 728	XII. Closing Balances	
X. Term Deposits with Scheduled Banks encashed	2 08 90 19 186	a) Cash in hand	0
XI. Other Income(inc.Prior period income)	9 08 95 965	b) Bank Balances	
XII. Deposits and advances	1 52 32 31 701	in Current Accounts	3 29 77 530
XIII. Miscellaneous Receipts including Sundry Debtors	1 72 14 184	in Savings Accounts	66 51 26 544
XIV. Any Other Receipts		in Deposit Accounts	0
HEFA Loan	17 12 60 803	Total	8 12 43 65 108
Total	8 12 43 65 108		

M. J.
 Registrar (i/c)
 NIT-Tiruchirappalli

J. J.
 Director (i/c)
 NIT-Tiruchirappalli

GPF AND NPS ACCOUNTS

National Institute of Technology, Tiruchirappalli-620 015
Provident Fund Account Balance Sheet as at March 31, 2021

	₹	₹	₹	₹
Liabilities	2020-21	2019-20	Assets	2020-21
GPF			Investment	24 93 29 134
Opening Balance	22 65 04 061	20 70 63 040	Int. accrued as on 31-03-21	58 51 602
Less: Subscription for March 2020	41 87 034	40 69 251	Subscription Due in the Year	0
			Subscription Due for March, 2021	0
Add: Subscriptions in the year	4 86 01 070	5 16 08 750	GPF	38 72 265
Add: Subscriptions for March 2021	38 72 265	41 87 034	CPF	0
Add: Interest Credited	1 58 14 127	1 60 33 509	UC due to CPF	0
Less: Advance / Withdrawal	5 33 17 333	4 83 19 021	NFS-II	0
Closing Balance	23 72 87 156	22 65 04 061	Tax Recovered from interest on investments	0
			Pending refund from income Tax Department	0
CPF				
Opening Balance	0	0	Cash at Bank	55 83 517
Less: Subscription for March 2020	0	0	SBI, Branch-1	0
Add: Subscriptions in the year	0	0	Other Bank	0
Add: Subscriptions for March 2021	0	0		
Add: Interest Credited	0	0		
Less: Advance / Withdrawal	0	0		
Closing Balance	0	0		
University Contribution(CPF)				
Opening Balance	0	0		
Less: Subscription for March 2020	0	0		
Add: Subscriptions in the year	0	0		
Add: Subscriptions for March 2021	0	0		
Add: Interest Credited	0	0		
Less: Advance / Withdrawal	0	0		
Closing Balance	0	0		
NPS Tier-II Account				
Opening Balance	0	0		
Less: Subscription for March 2020	0	0		
Add: Subscriptions in the year	0	0		
Add: Subscriptions for March 2021	0	0		
Add: Interest Credited	0	0		
Less: Advance / Withdrawal	0	0		
Closing Balance	0	0		
Interest Reserve				
Opening Balance	2 83 52 490	2 80 24 022		
Add: Excess of income over Expenditure	- 10 03 128	3 28 468		
Closing Balance	2 73 49 362	2 83 52 490		
Total	26 46 36 518	25 48 56 551	Total	26 46 36 518


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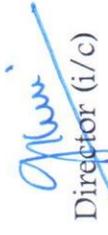
National Institute of Technology, Tiruchirappalli-620 015

Provident Fund Account Income and Expenditure Account for the year ended on March 31, 2021

	₹	₹	₹	₹	
Expenditure	2020-21	2019-20	Income	2020-21	2019-20
Interest Credited to:			Interest earned on Investment	1 58 73 445	1 55 39 730
GPF Account	1 58 14 127	1 60 33 509	Add: Interest Accrued on March21	58 51 602	69 14 048
CPF Account	0	0	Add: Tax recovered on interest- Refund to be obtained	0	0
University Contribution(CPF)	0	0	Less: Interest accrued for March20	69 14 048	60 91 801
NPS Tier-II Account	0	0	Excess of Expenditure over Income	10 03 128	0
Excess of Income over Expenditure	0	3 28 468			
Total	1 58 14 127	1 63 61 977	Total	1 58 14 127	1 63 61 977


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National Institute of Technology, Tiruchirappalli- 620015
Provident Fund Account Receipts and Payments Accounts for the Financial Year 2020-21

Receipts	2020-21	Payments	2020-21
Opening Balance as on 01-04-2020		GPF Adv./Withdrawal	5 33 17 333
SBI, Branch - I	93 67 058	CPF Adv./Withdrawal	0
SBI, Branch - II	0	NPS Tier-II	0
Bank	0	University Contribution Withdrawal	0
GPF Subscription	4 86 04 650	Investment during the year	20 49 94 839
CPF Subscription	0		
CPF University Contribution	0		
NPS Tier-II Account	0	Closing Balance as on 31-03-2021	
Investment Encashed	19 00 50 536	SBI, Branch-I	55 83 517
Interest Received	1 58 73 445	Bank	0
Total	26 38 95 689	Total	26 38 95 689


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National Institute of Technology, Tiruchirappalli-620 015

NPS Tier-I Account Balance Sheet as at March 31, 2021

	₹	₹	₹	₹	₹
Liabilities	2020-21	2019-20	Assets	2020-21	2019-20
NPS Tier-I Account			NPS Tier-I Account		
Opening Balance	69 81 446	51 15 297	Subscription and contribution due for 31-03-21	33 03 839	64 46 155
Less: Subscription for 31-03-20	64 46 155	46 83 382	Investment	0	0
Add: Subscriptions U Contribution	8 94 30 016	7 41 76 882	Interest Accrued but not due	0	0
Add: Interest Credited	0	0	Balance at Bank	28 60 500	22 69 310
Less: Transferred to NSDL	8 89 62 104	7 40 73 506			
Add: Subscription UC for 31-03-21	33 03 839	64 46 155			
Closing Balance	43 07 042	69 81 446			
Excess of income over Expenditure	0	0			
Balance As on 01-04-2020	17 34 019	16 27 427			
Add: During the Year	1 23 278	1 06 592			
Less: Excess of Expenditure over Income	0	0			
Total	61 64 339	87 15 465	Total	61 64 339	87 15 465


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National Institute of Technology, Tiruchirappalli-620 015

NPS Tier- I Account Income and Expenditure Account for the Financial year 2020-21

	₹	2020-21	2019-20	Income	2020-21	2019-20
Expenditure						
Interest Credited to:						
Subscribers' Accounts		0	0	Interest earned on Investment/Savings Bank	1 23 278	1 06 592
Bank Charges		0	0	Less: Interest accrued for 31-03-20	0	0
				Interest accrued but not due	0	0
Excess of Income over Expenditure		1 23 278	1 06 592	Excess of Expenditure over Income	0	0
Total		1 23 278	1 06 592	Total	1 23 278	1 06 592


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National Institute of Technology, Tiruchirappalli-620 015
NPS Tier- I Account Receipts and Payments Accounts for the Financial Year 2020-21

₹

Receipts	2020-21	Payments	2020-21
Opening Balance as on 01-04-20		Investment	0
NPS Tier - I Account	22 69 310	Withdrawal/Refund to NSDL	8 89 62 104
Own Subscription	3 74 12 232		
University Contribution	5 20 17 784		
Interest Received on Investment	0		
Interest on Savings bank Account	1 23 278		
Investment Encashed	0	Closing Balance as on 31-03-21	28 60 500
Total	9 18 22 604	Total	9 18 22 604

M. S.
Registrar (i/c)

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Director (i/c)

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