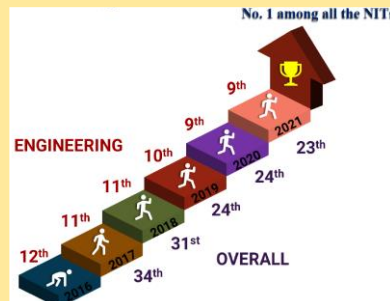


ANNUAL REPORT

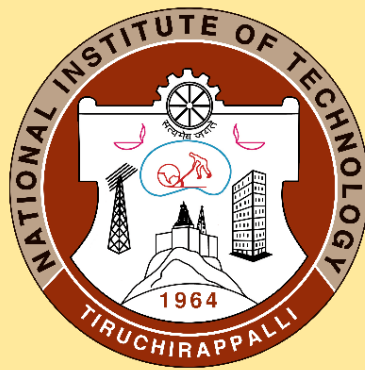
2021-22

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI



ANNUAL REPORT

2021-22



**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI**

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DIRECTOR'S FOREWORD

National Institute of Technology, Tiruchirappalli, with its five decades of excellence in teaching, research, and innovation, is striving to achieve greater heights by optimizing the resources while keeping its fast pace of all-round growth. We are on track to fulfilling our vision of transforming NIT Tiruchirappalli into a multidisciplinary university of global reach characterized by research-driven teaching and research-oriented learning.



Strategic plan and the implementation of NEP 2020

The strategic plan of the institute aligns with the National Education Policy 2020 with the implementation of a flexible curriculum, facilitation of industry collaborations and the enabling of credit transfer from elite Institutions. Through these initiatives, along with the prescient introduction of a Master's programme in English Language and Literature in 2020 and the introduction of regional and foreign languages as open electives in the B. Tech programmes in 2023, NIT Tiruchirappalli has demonstrated that its vision is in line with that of the NEP 2020. As part of NEP implementation, the institute initiated direct Ph.D admissions for B.Tech / B.Arch for the first time in 2021-22. Integrated M.Tech/Ph.D programs are also launched this year.

We also offer an alumni initiative elective course "Business & Entrepreneurship for Engineers" for the B.Tech students. This course is curated and delivered by illustrious alumni of the Institute. Experiential Learning is at the core of this credit course opening the theme of Start-Up India to the students. The students who enroll have a business idea that they refine over the duration of this course with the help of alumni who teach and mentor them. In line with the philosophy of Atmanirbhar Bharat, we believe that this initiative is likely to, over a period of time, motivate students to be job creators as opposed to job seekers.

The Ministry of Education has appointed NIT Tiruchirappalli as the National MOOCs Coordinator for offering MOOC Courses at UG and PG levels. The Institute has initiated the development of new courses for the Swayam platform with an initial funding of Rs. 3 crores from the Ministry of Education.

Improvement in overall parameters

In the NIRF 2022 rankings, NIT Tiruchirappalli has moved up to the position of the 8th best Engineering College in the country! It is placed Number 1 among all NITs: a feat we have achieved for the seventh year in-a-row. In the overall ranking too, NIT Tiruchirappalli has scaled up to the 21st place among the Top-25 Educational Institutions in the country. We secured an overall score of 69.17, improving from last year's score of 66.08, which is certainly an indication that we can do even better in the coming years. The Institute improved on all parameters of ranking, particularly, in Research and Professional Practice, due to an increase in the number and quality of research

publications. We gave a strong push to Intellectual Property Rights and the filing of patents which worked in our favour.

Growth on the research and the consultancy front

The institute is the only NIT included in the set of PMRF awarding Institutions. A total of 35 Ph.D. students bagged the Prime Minister’s Research Fellows (PMRF) award in the last three academic years. With sound research output, institute has 16 granted patents and 33 patents published in the last three years. The students’ placement record continues to be maintained at reasonably high percentages considering the pandemic-driven global slowdown and lockdown. The overall percentage of placements for the Undergraduate Programme is 95% and Postgraduate Programme is 85%.

We published 1338 research articles indexed in Scopus (out of which 808 indexed in Web of Science) in 2021. Furthermore, we have over 27000 citations recorded in Scopus and over 20000 recorded in WoS, indicating the quality of publications. In addition to this, our publications in Q1 are showing an increasing trend from year to year and it is 425 in 2021 compared to 328 in 2020. We witnessed an increase in the number of sponsored projects being awarded under various schemes like TATA Steel, DST-SERB, DAE, DST-SEED, ISRO-RESPOND, DRDO, NHAI, GAIL, etc., amounting to over 16.56 Crores in the FY 2021-22.

The Institute filed 30 patents, published 11 patents and was granted 12 patents in 2021. Our faculty put in efforts to generate a consultancy revenue of 5.56 crores in FY 2021-22. Moreover, we have signed many MOUs this academic year and the notable ones are with the University of Kyoto, Japan; the National Highways Authority of India (NHAI), the Centre for Development of Advanced Computing (C-DAC), TCS Foundation, Siemens Industry Software (SISW), BRIDGE Bharat Council, among others.

The Centre for Entrepreneurship Development and Incubation (CEDI) has signed an MoU with Tamil Nadu Industrial Investment Corporation Ltd. (TIIC). In a joint initiative of the Ministry of Electronics and Information Technology (MeitY) and the Department of Science and Technology (DST), a state-of-the-art Supercomputing facility, PARAM PORUL, was established at NIT Tiruchirappalli this year under Phase 2 of the National Supercomputing Mission (NSM). This facility would aid researchers in solving large-scale problems in various scientific domains such as Weather and Climate, Bioinformatics, Computational Chemistry, Molecular Dynamics, Material Sciences, and Computational Fluid Dynamics.

Infrastructure

The continued growth of NIT Tiruchirappalli is reflected in the ongoing infrastructural upgrades of the institute. A 500-seater boys hostel construction is initiated and expected to be completed in July 2023. The 6 Annex buildings for the Departments of Electrical Engineering, Mechanical Engineering, Civil Engineering, MME, ICE and Production Engineering are under construction. This will add 60,000 Sq.M of built space in the next two years. With regards to IT infrastructure, we are setting up 20 smart classrooms with facilities for team-based learning. We invested around 20 Crores over the

last 3 years to enhance the IT infrastructure of our campus. These initiatives will enhance and take teaching-learning to greater heights.

Alumni activities

We are grateful for the support offered by RECAL, the Alumni Association of REC/NIT Trichy, and for the establishment of the RECAL Cares initiative through which the alumni have extended invaluable support to mitigate the adverse impact of the pandemic on the NIT Trichy family. I also wish to acknowledge the generous contributions of the alumni association towards the establishment of the Institute Heritage Centre, which was inaugurated in November 2021. The Heritage Centre is a long-awaited addition to our campus, and it is set to host within its walls physical and digital artefacts of 58 glorious years of our successful journey.

In association with RECAL, we launched the NIT Tiruchirappalli USA Alumni chapter initiative call ALUMNICAST/Fireside chats, featuring high profile Alumni speakers, to encourage young students and faculty.

Recruitment and graduation

Recruiting the right faculty and staff is the most challenging assignment for a Director. I am glad that advertisement was released for Faculty Recruitment in 2021. With regard to the Advertisement released for Non Teaching staff in 2020, 92 staffs were recruited in 2021. They are contributing immensely to the growth of the Institute. A total of 1977 graduates received degrees in Convocation 2022, including Ph.D degrees, which is an all-time record.

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

My sincere thanks to the Ministry of Education, Government of India for their constant support and encouragement to the Institute, I also extend my thanks to all Faculty and Staff members for their continuous support and contributions to the Institute.

Thank you. Jai Hind.

Dr. G Agila

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 (NITT) 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, Architecture, Sciences, Humanities and Management. The vibrant campus with 8000 + students is a shining example of cultural diversity with students drawn from different states in the country as well as from 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 Tamil Nadu Pollution Control Board (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. The MoE has appointed NIT Tiruchirappalli as National MOOCS coordinator for UG & PG Engineering programs, and is currently 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	To be nominated by State Government	Member
6	To be nominated by State Government	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. G. Saravana Ilango, Associate Professor, Department of EEE, NIT – Tiruchirappalli	Member
11	Prof. Krishnan Balasubramanian, Professor of Mechanical Engg, IIT- Madras (Nominee of Director IIT- Madras)	Member
12	Registrar, National Institute of Technology – Tiruchirappalli	Secretary

During the year (April 2021- March 2022) under report, the BoG met on the dates mentioned below:

Date	BoG Meeting	Venue
20/05/2021	64th	NIT, TIRUCHIRAPPALLI
26/07/2021	65th	NIT, TIRUCHIRAPPALLI
24/08/2021	66th	NIT, TIRUCHIRAPPALLI
24/11/2021	67th	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	2021
9	Dr. (Mrs.) G. Aghila	2022	Till date

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
7	Dr. G. Kannabiran	Nov, 2021	Feb, 2022

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		
Registrar	NIT, Tiruchirappalli – 620 015	Member Secretary Ex-officio

During the year (April 2021-March 2022) under report, the Finance Committee meetings were conducted on the following dates:

Date	FC Meeting	Venue
26/07/2021	48th	NIT, TIRUCHIRAPPALLI
24/11/2021	49th	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	
Ministry Representative	Member
Dean(P&D)- NIT Tiruchirappalli	Member
External member - Industry (Member from PowerGrid corporation)	Member
External member- Educational Institution (Faculty from Civil department, IIT Madras)	Member
BoG representative- NIT Tiruchirappalli	Member

Registrar, NIT Tiruchirappalli	Member Secretary
---------------------------------------	-------------------------

During the year(April 2021-March 2022) under report, the Buildings & Works Committee meetings were conducted on the following dates:

Date	B & WC Meeting	Venue
19.07.2021	27 th BWC	NIT Trichy

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	G C Anupama Dean and Senior Professor Indian Institute of Astrophysics II Block, Koramangala, Bengaluru – 560034	Dr. G. K. Ananthasuresh Professor Department of Mechanical Engineering Indian Institute of Science Bengaluru- 560012	Dr. M. Thamban Nair Professor Department of Mathematics Indian Institute of Technology Madras Chennai - 600 036	Dr. Haripriya Gundimeda Professor Department of Humanities & Social Sciences, Indian Institute of Technology Bombay, Powai,Mumbai-400 076.

During the year (April 2021-March 2022) 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
21/05/2021	54 th	Online Mode (through MS Teams)
02/07/2021	55 th	Online Mode (through MS Teams)
17/11/2021	56 th	Online Mode (through MS Teams)
04/03/2022	57 th	EEE Auditorium, NIT Trichy

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)
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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

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

The list of faculty staff who have joined during the year (April 2021 – March 2022) under report is furnished below:

Sl. No.	ID No.	Name of the staff	Designation	Date of joining
NIL				

The list of non-teaching staff who have joined during the year (April 2021 – March 2022) under report is furnished below:

Sl. No.	ID No.	Name of the staff	Designation	Date of joining
1	2344	Shri Sridharun M.P	Technician	28.07.2021 F.N
2	2345	Shri Vignesh G	Technician	28.07.2021 F.N
3	2346	Shri Jose Desouza Anand M	Technician	28.07.2021 F.N
4	2347	Shri Ramani B	Technician	28.07.2021 F.N
5	2348	Shri Senthil Kumar S. R	Senior Technician	28.07.2021 F.N
6	2349	Shri Sathish Kumar B	Senior Assistant	28.07.2021 F.N
7	2350	Ms. Priya T.R	Senior Assistant	28.07.2021 F.N
8	2351	Ms. Devarai Shirisha	Junior Assistant	03.08.2021 F.N
9	2352	Mrs. Sudha R	Sr. Asst./Steno.	28.07.2021 F.N
10	2353	Shri Anand M	Junior Assistant	29.07.2021 F.N
11	2354	Shri Dinesh V	Junior Assistant	02.08.2021 F.N
12	2355	Shri Shanmuga Manikandan K	Senior Assistant	02.08.2021 F.N
13	2356	Shri Jai Ganesh M	Senior Assistant	04.08.2021 F.N
14	2360	Shri Indrajith S.R	Junior Engineer	28.07.2021 A.N
15	2361	Shri Abhiraj R.I	Technical Assistant	05.08.2021 F.N
16	2362	Mrs. Anbarasi U.K	Junior Assistant	28.07.2021 F.N
17	2363	Ms. Shanmugapriya S.R	Junior Assistant	28.07.2021 A.N
18	2364	Ms. Prabavathi M	Junior Assistant	30.07.2021 F.N
19	2366	Ms. Karishma Sundar	Junior Assistant	04.08.2021 F.N
20	2367	Ms. Keerthika N	Junior Assistant	04.08.2021 F.N
21	2368	Shri Raghavarman G	Junior Assistant	05.08.2021 F.N
22	2369	Ms. Garima Chawla	Junior Engineer	03.08.2021 F.N
23	2370	Shri Dhanabalan P	Junior Engineer	03.08.2021 F.N
24	2371	Shri Viswanathan P	Junior Engineer	04.08.2021 F.N
25	2372	Shri Kishore B	Junior Engineer	04.08.2021 F.N
26	2373	Shri Sai Ram L	Junior Engineer	04.08.2021 F.N
27	2374	Shri Abhijeet Kumar	Junior Engineer	05.08.2021 F.N
28	2375	Shri Vignesh S	Junior Engineer	06.08.2021 F.N
29	2376	Shri Lakshmithathagari Akhil Kumar	Junior Engineer	06.08.2021 F.N
30	2377	Shri Cheekati Venkateswarlu	Technical Assistant	30.07.2021 A.N
31	2378	Shri Sridhar R	Technical Assistant	02.08.2021 F.N
32	2379	Shri Gaddam Soma Sundara Ranga Sai Kumar	Technical Assistant	04.08.2021 F.N
33	2380	Shri Magesh M	Technical Assistant	04.08.2021 F.N
34	2381	Shri Harish P	Technical Assistant	04.08.2021 F.N
35	2382	Mrs. Akhila A.K	Technical Assistant	04.08.2021 F.N
36	2383	Shri Maharasan A	Technical Assistant	04.08.2021 F.N
37	2384	Shri Vivek M.P	Technical Assistant	05.08.2021 F.N
38	2385	Shri John Bosco	Technical Assistant	06.08.2021 F.N
39	2386	Shri Shubham Murari	Technical Assistant	06.08.2021 F.N
40	2388	Shri Yogesh Basavaraj Patil	Technical Assistant	13.09.2021 F.N

41	2389	Shri Arunmozhidevan K	Senior Technician	28.07.2021 A.N
42	2390	Shri Noor Mohamed M	Senior Technician	02.08.2021 F.N
43	2391	Shri Sasikumar V	Senior Technician	03.08.2021 F.N
44	2392	Shri Azhagappan K.R	Senior Technician	04.08.2021 F.N
45	2393	Shri Pragadhiiswar S	Senior Technician	04.08.2021 F.N
46	2394	Shri Kiran Kumar A	Senior Technician	05.08.2021 F.N
47	2395	Shri Sankar Ganesh M	Senior Technician	23.08.2021 F.N
48	2396	Shri Mohanasundaram V	Senior Technician	27.08.2021 A.N.
49	2397	Shri Dhanikela Vara Prasad	Senior Technician	01.09.2021 F.N
50	2398	Shri Pothu Praveen Reddy	Senior Technician	03.09.2021 F.N
51	2399	Shri Jadhav Balwant Rangrao	Senior Technician	06.08.2021 F.N
52	2400	Mrs. Allu Charishma	Superintendent	04.08.2021 F.N
53	2404	Shri Milton B	Junior Assistant	25.08.2021 F.N
54	2406	Shri Seetharaman V	Junior Assistant	27.08.2021 F.N
55	2407	Ms. Madhumitha B	Junior Assistant	01.09.2021 F.N
56	2408	Shri Dhinakaran R	Technician	28.07.2021 F.N
57	2409	Shri Muthuraman K	Technician	30.07.2021 F.N
58	2410	Shri Bhukya Raja Naik	Technician	30.07.2021 F.N
59	2411	Shri Rajesh N	Technician	30.07.2021 F.N
60	2412	Shri Visanth M.V	Technician	02.08.2021 F.N
61	2413	Shri Bharathiraja A	Technician	02.08.2021 F.N
62	2414	Shri Nenavath Rajashekar	Technician	02.08.2021 F.N
63	2415	Shri Srihaari R	Technician	02.08.2021 F.N
64	2416	Shri Nabnit Kumar Pandey	Technician	03.08.2021 F.N
65	2417	Shri Padval Rajesh	Technician	04.08.2021 A.N.
66	2418	Shri Ravi Kumar	Technician	05.08.2021 F.N
67	2419	Shri Bharat Bhushan Khare	Technician	05.08.2021 F.N
68	2420	Shri Senthamilraja M	Technician	05.08.2021 F.N
69	2421	Shri Akshay Goel	Technician	05.08.2021 F.N
70	2423	Shri Gopal Krishna	Technician	06.08.2021 F.N
71	2424	Shri Arun M.P.	Technician	27.08.2021 F.N
72	2425	Shri Balasubramanin R	Technician	27.08.2021 F.N
73	2426	Shri Ragul Venkatesh M	Technician	31.08.2021 F.N
74	2427	Shri Sreekumar S	Library and Information Assistant	28.09.2021 F.N
75	2428	Shri Bijoy U	Technical Assistant	29.09.2021 F.N
76	2429	Shri Sembian K	Technical Assistant	04.10.2021 F.N
77	2430	Shri Tamil Selvan R	Senior Assistant	17.09.2021 F.N
78	2431	Shri Sundar M	Technician	27.09.2021 F.N
79	2432	Shri Vijayaraj V	Technician	28.09.2021 F.N
80	2433	Ms. Jenifer W	Junior Assistant	28.07.2021 F.N
81	2434	Shri Lokesh Kumar S	Junior Assistant	12.11.2021 F.N.
82	2435	Shri Gawtham Sibi E	Superintendent	01.12.2021 F.N
83	2436	Shri Shaik Sikandar	Sr. Asst./Steno.	01.12.2021 F.N
84	2437	Shri Binod Biswas	Superintendent	29.12.2021 F.N

3.3 STAFF POSITION

The sanctioned strength against the actual staff in position as on **31/03/2022** is furnished below:

S.No	Cadre Name (Group 'A')	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Registrar	PB 4/10000	1	0	1
2	Dy.Registrar	PB 3/7600	3	0	3
3	Assistant Registrar	PB 3/5400/6600	7	5	2
4	Supdt.Engineer	PB 4 /8700	1	0	1
5	Executive Engineer	PB 3 /6600	2	1	1
6	Librarian	PB 4/10000	1	1	0
7	Dy.Librarian	PB 3/7600/8000	1	0	1
8	Asst.Librarian	PB 3 /6000/5400	2	1	1
9	Sr.Medical Officer	PB 3/7600	1	0	1
10	Medical Officer	PB 3/5400	3	1	2
11	Principal SAS Officer / Phy.Director (GP 9000)	PB 4/10000	1	0	1
12	Sr.SAS Officer	PB 3/8000	1	0	1
13	SAS Officer	PB 3/5400	2	2	0
14	Security Officer	PB 3/5400	1	1	0
15	Principal Scientific/Technical Officer	PB 3/7600	2	0	2
16	Sr.Scientific/Tech.Officer	PB 3/7600	3	3	0
17	Scientific/Technical Officer	PB 3/5400/6600	7	6	1
Total			39	21	18
Category: Ministerial Higher					
S.No	Cadre Name	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Superintendent/Accountant/Secretary	PB 2 /4200	13	10	3
2	Sr.Superintendent/ Sr. Secretary	PB 2 /4600	10	1	9
3	Superintendent SG II / Private Secretary	PB 2 /4800	7	5	2
4	Superintendent SG I/Private Secretary	PB 2 /5400	3	3	0
Total			33	19	14
Category: Ministerial Lower					
S.No	Cadre Name	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Jr. Assistant	PB 1/2000	27	18	9
2	Sr. Assistant/Stenographer	PB 1/2400	19	14	5
3	Assistant SG II	PB 1/2800	13	10	3
4	Assistant SG I (Group-B)	PB 2/4200	6	5	1
Total			65	47	19

Category: Technical Higher					
S.No	Cadre Name	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Technl. Asst/JE/SAS Asst./TA(LIS)(18+9+0+1)	PB 2 /4200	47	28	19
2	Sr.Technical Asst./AE/Sr.SAS Asst./Phsrms-II/LIS (11+1+0+0+1)	PB 2 /4600	35	13	22
3	Technical Assistant/ AE/SAS Asst. (SG-II)/Phsrms-I (2+2+1+0)	PB 2 /4800	24	5	19
4	Technical Assistant/ AE/SAS Asst. (SG-I)(2+10+0)	PB 2 /5400	12	12	0
Total			118	58	60
Category: Technical Lower					
S.No	Cadre Name	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Technician/ Lab Assistant/ Work Asst.	PB 1/2000	47	25	22
2	Sr.Technician/ Lab Assistant/ Work Asst.	PB 1/2400	35	18	17
3	Technician/ Lab Assistant/ Work Asst. (SG-II)	PB 1/2800	24	24	0
4	Technician/ Lab Assistant/ Work Asst. (SG-I) (SGIIIIIIIIII)(Group-B)	PB 2/4200	12	9	3
Total			118	76	42
Category: Supporting Staff					
S.No	Cadre Name	Grade Pay	Sanctioned Strength	Staff in Position	Vacancy
1	Attendant/Security Guard	PB1/1800	23	1	22
2	Sr.Attendant/Security Guard	PB1/1900	18	23	-5
3	Attendant/Security Guard (SG II)	PB1/2000	12	11	1
4	Attendant/Security Guard (SG I) (GCH)	PB1/2400	6	4	2
Total			59	39	20
Grand Total			432	260	172

Faculty who retired during the period from 01.04.2021 to 31.03.2022:

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1	Dr S Natarajan	PROFESSOR(HAG)	MME	30.06.2021
2	Dr P Jayabalan	PROFESSOR	CIVIL	31.07.2021
3	Dr V Muthupandi	PROFESSOR(HAG)	MME	31.08.2021
4	Dr B Venkataramani	PROFESSOR(HAG)	ECE	30.11.2021

Non-Faculty who retired during the period from 01/04/2021 to 31/03/2022:

Sl. No.	Name of the Staff	Designation	Department	Date of Retirement
1	Smt. S. Vairamani	Pharmacist (SG-I)	Hospital	31.05.2021
2	Smt. A. Palaniammal	Attendant (SG-II)	Civil	30.06.2021

3	Dr. P. Mounisamy	Asst. Librarian	DoMS	30.06.2021
4	Shri K. Rajan	Technl. Asst. (SG-II)	EMD	30.09.2021
5	Shri A. Rajan	Attendant (SG-I)	Mathematics	31.10.2021
6	Smt. G. Manimekalai	Sr. Attendant	MME	31.01.2022
7	Shri S. Rajendran	Attendant (SG-II)	Main Office	28.02.2022
8	Shri N. Balasubramanian	Sr. Attendant	Physics	31.03.2022
9	Shri K. Abdul Salam	Attendant (SG-I)	ECE	31.03.2022
10	Shri P. Ramachandran	Technl. Asst.	Production	31.03.2022

Faculty who took VRS during the period from 01/04/2021 to 31/03/2022:

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
1.	Dr K Viswanathan Iyer	PROFESSOR	CSE	31.08.2021

Non-Faculty who took VRS during the period from 01/04/2021 to 31/03/2022:

Sl. No.	Name of the Staff	Designation	Department	Date of VRS
1	Shri G. Selvaraj	Asst. Engineer (SG-II)	Chemistry	31.07.2021

Faculty who expired while in service during the period from 01/04/2021 to 31/03/2022:

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

Non-Faculty who expired while in service during the period from 01/04/2021 to 31/03/2022:

Sl. No.	Name of the staff	Designation	Department	Date of Demise
1	E. Rajendran	Assistant (SG-II)	Stores & Purchase Section	19.05.2021
2	P.R. John Kennedy	Sr. Sec. Guard	Security Office	24.05.2021
3	John Sammanasu	Technician (SG-I)	EMD	01.03.2022

Faculty who resigned during the period from 01.04.2021 to 31.03.2022:

Sl. No.	Name of the Staff	Designation	Department	Date of Resignation
1	Dr Ashok Kumar	Assistant Professor	EEE	12.01.2022
2	Dr Naveen Yalla	Assistant Professor	EEE	16.02.2022

Non-Faculty who resigned during the period from 01.04.2021 to 31.03.2022:

Sl.No.	Name of the staff	Designation	Department	Date of Resignation
1	Shri Akshay Krishnan J	Senior Assistant/ Steno	Registrar Office	13.10.2021 AN
2	Shri Sarathkumar V	Superintendent	RTI & Establishment Section	09.12.2021 AN
3	Shri Soumabrata Banerjee	Technical Assistant	Physics	15.01.2022 AN
4	Ms. Sowndariya S	Junior Assistant	O/o. Dean (Academic)	22.03.2022

3.4 FINANCE AND ACCOUNTS

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

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

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

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

The audit certificate and the annual statement of accounts of the Institute for the Financial Year 2019-20 is presented in the appendices A & B.

4. STRATEGIC PLANNING GROUP

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

As part of the Strategic Plan, the first Centre of Excellence was inaugurated by the Hon'ble Minister of Human Resource Development, Shri. Prakash Javadekar, focusing on Advanced Manufacturing with 90% support by Siemens. This Centre will be a model with research, consultancy and skill development as the goals, with focus on the manufacturing Industries and Tier I and II institutions around the Institute. In addition, institute has launched Centre for Artificial Intelligence, IOT and Intelligent machines and Interdisciplinary Centres for Energy Harvesting, Storage Technology, Centre for Combustion & Emission Studies and Centre for Electronics System Design. This will help the Institute to 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 2021 - 22

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 and M.Sc. programmes are based on the scores in the Graduate Aptitude Test in Engineering (GATE), CAT, NIMCET and JAM examinations respectively.

5. 2. 1. Fresh Admission 2021 - 22

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	15	1	16
2	Scheduled Castes	152	151	303
3	Scheduled Tribes	71	54	125
4	Physically Handicapped	36	1	37

5	EWS	133	147	280
6	OBC	354	363	717
7	DASA	100	2	102

Sl. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Arch.	M.Tech.	M.Sc.	MCA	MBA	MA	MS	Ph.D.	TOTAL
1	Architecture	60		24							13	97
2	Chemical Engineering		80		54						9	143
3	Chemistry					26					8	34
4	Civil Engineering		121		140						19	280
5	Computer Applications				29	26	114				13	182
6	Computer Science and Engineering		146		37						13	196
7	Electrical and Electronics Engineering		133		72					1	21	227
8	Electronics and Communication Engineering		144		72					2	21	239
9	Energy and Environment				26						4	30
10	Humanities and Social Sciences								23		12	35
11	Instrumentation and Control Engineering		118		23						9	150
12	Management Studies							99			13	112
13	Mathematics					24					12	36
14	Mechanical Engineering		137	65							16	218
15	Metallurgical and Materials Engineering		80	49						4	17	150
16	Physics				28	28					9	65
17	Production Engineering		117		73					3	13	206
TOTAL		60	1076	138	554	104	114	99	23	10	222	2400

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 2021-22 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	263		45							36	344
2	Chemical Engineering		316		89						44	449
3	Chemistry					50					57	107
4	Civil		470		262					5	91	828

	Engineering											
5	Computer Applications				54	42	333				77	506
6	Computer Science & Engineering		568		68					8	81	725
7	Electrical & Electronics Engineering		505		120					12	92	729
8	Electronics & Communication Engineering		532		126					6	107	771
9	Energy & Environment				38					2	29	69
10	Humanities & Social Sciences								39		62	101
11	Instrumentation & Control Engineering		465		40					2	61	568
12	Management Studies							195			56	251
13	Mathematics					47					42	89
14	Mechanical Engineering		524		106					12	118	760
15	Metallurgical & Materials Engineering		300		103					6	77	486
16	Physics				49	48				1	74	172
17	Production Engineering		449		124					12	128	713
18	CECASE										8	8
Total		263	4129	45	1179	187	333	195	39	66	1240	7676

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

Sl. No.	Programme	SC	ST
1	B.Tech.	537	269
2	B.Arch.	41	20
3	M.Arch.	8	0
4	M.Tech.	159	69
5	M.B.A.	33	10
6	M.C. A	54	27
7	M A	7	1
8	M.Sc.	25	5
9	Ph.D.	6	0
10	MS	184	32
TOTAL		1054	433

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	58	62	58	46	39	263
2	Chemical Engineering	77	84	87	68		316
3	Civil Engineering	117	124	127	102		470
4	Computer Science & Engineering	146	148	152	122		568
5	Electrical & Electronics Engineering	124	135	139	107		505
6	Electronics & Communication Engineering	139	141	144	108		532
7	Instrumentation & Control Engineering	116	116	129	104		465
8	Mechanical Engineering	131	136	140	117		524
9	Metallurgical & Materials Engineering	79	74	82	65		300
10	Production Engineering	111	120	122	96		449
TOTAL		1098	1140	1180	935	39	4392

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

S. No.	Department / Discipline	I Year	II Year	Total
1	Architecture (M.Arch.)			
	Energy Efficient and Sustainable Architecture	22	23	45
2	Chemical Engineering			
	Chemical Engineering	26	23	49
	Process Control & Instrumentation	20	20	40
3	Civil Engineering			
	Transportation Engineering and Management	27	27	54
	Environmental Engineering	20	25	45
	Structural Engineering	25	28	53
	Construction Technology and Management	30	30	60
	Geotechnical Engineering	25	25	50
4	Computer Applications			
	Data Analytics	28	26	54
5	Computer Science & Engineering			
	Computer Science & Engineering	35	33	68
6	Electrical & Electronics Engineering			
	Power Electronics	31	29	60
	Power Systems	29	31	60
7	Electronics & Communication Engineering			
	Communication Systems	35	29	64
	VLSI System	31	31	62
8	Instrumentation and Control Engineering			

	Industrial Automation	18	22	40
9	Energy and Environment			
	Energy Engineering	18	20	38
10	Mechanical Engineering			
	Industrial Safety and Engineering	26	21	47
	Thermal Power Engineering	29	30	59
11	Metallurgical & Material Engineering			
	Materials Science and Engineering	16	23	39
	Welding Engineering	16	23	39
	Industrial Metallurgy	11	14	25
12	Production Engineering			
	Industrial Engineering Management	31	31	62
	Manufacturing Technology	32	30	62
13	Physics			
	Non-Destructive Testing	25	24	49
TOTAL		606	618	1224

5. 3. 4. MBA Students on Roll

Sl. No.	Department	I Year_2021	II Year_2020	Total
1	Management Studies / MBA	98	97	195

5. 3. 5. MCA Students on Roll

Sl. No.	Department	I Year_2021	II Year_2020	III Year_2019	Total
1	Computer Applications / MCA	113	110	110	333

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

Sl. No.	Department	I Year_2021	II Year_2020	Total
1	Chemistry	24	26	50
2	Computer Applications	21	21	42
3	Physics	24	23	47
4	Mathematics	25	23	48
Total		94	93	187

5. 3. 7. M.S Students

Sl. No.	Department	I Year_2021	II Year_2020	Total
1	Humanities and Social Sciences	19	20	39

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

Sl. No.	Department	2016	2017	2018	2019	2020	2021	Total
1	Chemical Engineering	00						00
2	Civil Engineering	03	1	4				8
3	Computer Science & Engineering	02	2	3	3			10

4	Electrical & Electronics Engineering	04	5	4	2		1	16
5	Electronics & Communication Engineering		2		2		2	6
6	Energy and Environment			1	1			2
7	Instrumentation & Control Engineering	08	1			1		10
8	Mechanical Engineering		5	6	1			12
9	Metallurgical & Materials Engineering	03	1	1			4	9
10	Physics	05			1			6
11	Production Engineering	02	3	4	1	1	3	14
12	CECASE	05						05
Total		32	20	23	11	2	10	98

5.3.9. Ph.D. Students on Roll

Sl. No.	Department	2016	2017	2018	2019	2020	2021	Total
1	Architecture	2	2	5	7	7	13	36
2	Chemical Engineering	9	8	9	4	5	9	44
3	Civil Engineering	11	18	14	12	17	19	91
4	Computer Science & Engineering	8	11	16	16	18	12	81
5	Electrical & Electronics Engineering	7	16	16	14	21	18	92
6	Electronics & Communication Engineering	12	19	20	22	15	19	107
7	Energy and Environment	5	6	2	6	6	4	29
8	Instrumentation and Control Engineering	8	9	16	5	14	9	61
9	Mechanical Engineering	32	24	21	12	16	13	118
10	Metallurgical and Materials Engineering	12	11	10	12	17	15	77
11	Production Engineering	27	29	26	19	15	12	128
12	CECASE	2	1	5				8
13	Management Studies	7	8	12	9	9	11	56
14	Computer Applications	12	14	17	9	12	13	77
15	Chemistry	10	7	12	11	10	7	57
16	Physics	13	16	11	15	10	9	74
17	Humanities and Social Sciences	4	13	7	15	11	12	62
18	Mathematics		5	7	10	9	11	42
Total		181	216	222	203	212	206	1240

5.4. CONVOCATION

The 17th Convocation of NIT, Tiruchirappalli was held on 25th September 2021. Shri. T. V. Narendran, CEO and Managing Director of Tata Steel, and the President of Confederation of Indian Industry (CII), was the chief guest and delivered the Convocation Address. A total of 1793 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	44	-	23	-	-	-	-	-	2	69
2.	Chemical Engineering	-	66	-	39	-	-	-	-	5	110
3.	Chemistry	-	-	-	-	20	-	-	-	10	30
4.	Civil Engineering	-	96	-	99	-	-	-	2	11	208
5.	Computer Applications	-	-	-	27	14	87	-	-	25	153
6.	Computer Science and Engineering	-	99	-	19	-	-	-	2	10	130
7.	Electrical and Electronics Engineering	-	102	-	41	-	-	-	5	14	162
8.	Electronics and Communication Engineering	-	102	-	44	-	-	-	1	10	157
9.	Energy and Environment	-	-	-	21	-	-	-	-	5	26
10.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	4	4
11.	Instrumentation and Control Engineering	-	106	-	-	-	-	-	1	7	114
12.	Management Studies	-	-	-	-	-	-	97	-	8	105
13.	Mathematics	-	-	-	-	19	-	-	-	1	20
14.	Mechanical Engineering	-	104	-	39	-	-	-	2	17	162
15.	Metallurgical and Materials Engineering	-	62	-	55	-	-	-	4	11	132
16.	Physics	-	-	-	19	20	-	-	1	19	59
17.	Production Engineering	-	94	-	41	-	-	-	2	15	152
TOTAL		44	831	23	444	73	87	97	20	174	1793

NUMBER OF GRADUANDS WITH HONORS

Sl. No.	Department	Number of Graduands
1.	Chemical Engineering	12
2.	Civil Engineering	3
3.	Computer Science and Engineering	6
4.	Electrical and Electronics Engineering	4
5.	Electronics and Communication Engineering	4
6.	Instrumentation and Control Engineering	7
7.	Mechanical Engineering	10

8.	Metallurgical and Materials Engineering	7
9.	Production Engineering	8
Total		61

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

Sl. No.	Department	Specialization	No. of Graduands
1.	Chemical Engineering	Chemical Engineering	22
		Process Control and Instrumentation	17
2.	Civil Engineering	Transportation Management Engineering	23
		Structural Engineering	21
		Environmental Engineering	26
		Construction Management Technology	29
3.	Computer Applications	Data Analytics	27
4.	Computer Science and Engineering	Computer Science and Engineering	19
5.	Electrical and Electronics Engineering	Power Systems	22
		Power Electronics	18
6.	Electronics and Communication Engineering	Communication Systems	20
		VLSI System	24
7.	Energy and Environment	Energy Engineering	21
8.	Mechanical Engineering	Industrial Safety Engineering	23
		Thermal Power Engineering	16
9.	Metallurgical and Materials Engineering	Welding Engineering	22
		Materials Science and Engineering	19
		Industrial Metallurgy	14
10.	Physics	Non-Destructive Testing	19
11.	Production Engineering	Manufacturing Technology	19
		Industrial Engineering Management	22
12.	Architecture	Energy Efficient and Sustainable Architecture	23
Total			466

5. 4. 2. Convocation Prizes

The following are the details of prizes awarded to the students at the 17th Convocation:

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

Department	Roll No.	Name	CGPA
Instrumentation and Control Engineering	110117078	SHASHVAT JAYAKRISHNAN	9.95

The Institute Medal 2021 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102117016	DEEPTI KANNAN	9.77
Civil Engineering	103117031	C M K RAJSHRI	9.64
Computer Science and Engineering	106117043	L HARI NARAYANAN	9.8
Electrical and Electronics Engineering	107117106	VISHESH BIYANI	9.73
Electronics and Communication Engineering	108117064	M PRANAV	9.7
Instrumentation and Control Engineering	110117078	SHASHVAT JAYAKRISHNAN	9.95
Mechanical Engineering	111117058	MANU AATITYA R P	9.41
	111117013	ANMOL PANDA	9.41
Metallurgical and Materials Engineering	112117034	PRAHNAOV A	9.56
Production Engineering	114117064	POLA VAMSI RAHUL	9.67
Architecture	101116040	SWEATHA R	8.8

The Institute Medal 2021 for the overall Highest CGPA in M.Tech. and M. Arch.

Department	Specialization	Roll No.	Name	CGPA
Chemical Engineering	Chemical Engineering	202119011	JAGANATHAN J	9.11
		202119010	GOLLAPALLI MANI VEERASANTHOSHI	9.11
	Process Control and Instrumentation	202219010	HONRAO SHUBHAM NANDKUMAR	9.28
Civil Engineering	Transportation Engineering and Management	203119022	SUSAN FRANCIS	9.77
	Structural Engineering	203219009	CHINNU S NAIR	9.74
	Environmental Engineering	203419003	APARNA VS	9.39
	Construction Technology and Management	203519012	GAMINI SRI VALLI	9.8
Computer Applications	Data Analytics	205219027	YAZHMOZHI V M	9.95

Computer Science and Engineering	Computer Science and Engineering	206119017	SHREYA NARASIMHAN KL	9.38
Electrical and Electronics Engineering	Power Systems	207119004	BHARATHY KANNAN M	9.64
	Power Electronics	207219009	GUDHIPELA VEERANALLAIA H	9.47
Electronics and Communication Engineering	Communication Systems	208119010	KALAVAGUNTA DILIPKUMAR	9.73
	VLSI System	208219010	KANDUKURU GOUSULU	9.52
Energy and Environment	Energy Engineering	202319016	SANDEEP M	9.61
Mechanical Engineering	Industrial Safety Engineering	211219001	AJIN C R	9.43
	Thermal Power Engineering	211319011	MOHAMMAD ARSHADRAZA	9.33
Metallurgical and Materials Engineering	Welding Engineering	212119012	MURUGAN E	9.6
	Materials Science and Engineering	212219004	ASHWIN M	9.31
	Industrial Metallurgy	212319001	ARUN KUMAR V	9.37
Physics	Non-Destructive Testing	213119021	SUDHANSHU PANDEY	9.44
Production Engineering	Manufacturing Technology	214119010	KUMARESH D	9.7
	Industrial Engineering and Management	214219010	MOHAMMED SANJID	9.73
Architecture	Energy Efficient and Sustainable Architecture	201119013	NUTHANA MANOHARAN	9.43

The Institute Medal 2021 for the overall Highest CGPA in M.Sc.

Chemistry	204119016	PRIYA GARG	9.48
Computer Science	205319007	MANSI AWASTHI	9.16
Physics	213219015	RISHABH KUMAR	9.26
Mathematics	216119015	SONU KUMARI	9.28

The Institute Medal 2021 for the overall Highest CGPA in MCA

Specialization	Roll No.	Name	CGPA
Computer Applications	205118079	KM SWEEKRITI SINGH	9.5

The Institute Medal 2021 for the overall Highest CGPA in MBA

Specialization	Roll No.	Name	CGPA
Management Studies	215119096	VASANTHA G	9.46

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 2022 held on 22nd April 2022. Professor V. Kamakoti, Director, Indian Institute of Technology Madras, was the Chief Guest.

5. 5. 1. Rank Holders (UG & PG)

B.Arch. / ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2016	1	101116009	BODAKUNTI SUNIL KUMAR	9.58
2016	2	101116001	AARATI ANIL	9.54
2016	2	101116011	CATHERINE JENEFA R	9.54
2016	3	101116040	SWEATHA R	9.46
2017	1	101117026	R.ASHRUTHA HARSHINI	9.58
2017	2	101117040	SURYA R	9.30
2017	3	101117008	DEVULAPALLY POOJA	9.15
2017	3	101117025	P. ROOPENDRA KUMAR	9.15
2018	1	101118015	HRIDHAYA SUBRAMANIAM	9.10
2018	2	101118006	DHANYASRI SAKTHIVEL RAJA	8.84
2018	2	101118037	S H NIVEDHASRI	8.84
2018	3	101118029	PRATYAY GHOSH	8.73
2019	1	101119031	MANAVI	9.46
2019	2	101119004	A NAVILAN	9.34
2019	3	101119043	P YAMINI SLOKA	9.28
2020	1	101120015	GAURAV JHA	9.52
2020	2	101120057	VEERA DHARSANA N	9.46
2020	3	101120001	ADHRA ANIL	9.44

B.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	102117048	SHANKHA SUBHRA PAUL	9.86
2017	2	102117016	DEEPTI KANNAN	9.81
2017	3	102117062	SUYASH SACHIN DAMIR	9.70
2018	1	102118037	MAYANK JHA	9.84
2018	2	102118008	ANUJ DASGUPTA	9.70
2018	3	102118015	CHARVINI DODDI	9.60
2019	1	102119061	RAHUL MELKANI	9.63
2019	2	102119067	SANKALP DIXIT	9.55
2019	3	102119084	VARANASI SURYA LALITHA SHREYA	9.49

B.Tech. / CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	103117031	C M K RAJSHRI	9.54
2017	2	103117023	AYUSH KISHORE	9.34
2017	2	103117097	TRISHLA VATS	9.34
2017	3	103117033	DINESH KUMAR L	9.27
2018	1	103118048	LALITH KOTHANDARAMAN	9.69
2018	2	103118037	KALAL KARTHIK GOUD	9.37
2018	3	103118031	HARIKRISHNAN B	9.35
2018	3	103118082	ROBERT EDDISON MERCIIDUS	9.35
2019	1	103119004	ABHISHEK VIJAYAN	9.62
2019	2	103119085	PYATA ANIRUDH KUMAR	9.58
2019	3	103119027	DEVI SATVIKA TIRUVAIPATI	9.48

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	106117053	MOGALAPALLI HARSHIT	9.93
2017	2	106117043	L HARI NARAYANAN	9.76
2017	2	106117082	SAKSHAM AGARWAL	9.76
2017	3	106117095	S RAGHUL	9.68
2018	1	106118053	MADHAV AGGARWAL	9.96
2018	2	106118091	S PAVITHRA	9.77
2018	3	106118019	BALAJI JAYASHRRI	9.62
2019	1	106119109	SALONI GORDHAN RAKHOLIYA	9.79
2019	2	106119052	INDRESH P	9.74
2019	3	106119042	G SUBHASREE	9.57
2019	3	106119073	MARMIK UPADHYAY	9.57

B. Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	107117002	ADARSH N	9.47
2017	2	107117106	VISHESH BIYANI	9.41
2017	3	107117012	ANJULA MARY ANTONIS	9.34
2018	1	107118109	VENKAT SUBRAMANIAN P	9.63
2018	2	107118032	ESWARA PRASAD P	9.55

2018	3	107118009	AKASH K	9.43
2019	1	107119056	J SOUNDARYA	9.88
2019	2	107119051	ISHIKAA LUNAWAT	9.86
2019	3	107119135	VISWESWARAN B	9.70

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	108117092	SAURABH SRIVASTAVA	9.78
2017	2	108117085	SABAREESH J	9.60
2017	3	108117012	APURBA DEBNATH	9.40
2018	1	108118061	L P PRATHIK REDDY	9.94
2018	2	108118084	SAI MITHERAN J	9.59
2018	3	108118004	ADITHYA K KRISHNA	9.57
2019	1	108119107	SENTHILNATHAN S	9.76
2019	2	108118047	INIYAN T	9.62
2019	3	108119062	LAKSHYA JEYES	9.47

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	110117078	SHASHVAT JAYAKRISHNAN	9.85
2017	2	110117025	C SANJAY	9.60
2017	3	110117018	A T NATHANIEL NIRMAL	9.54
2017	3	110117082	SHYAM KUMAR L	9.54
2018	1	110118104	V K VIEKASH	9.77
2018	2	110118043	MADHAVAN B S	9.64
2018	3	110118074	SANTHOSH J	9.57
2019	1	110119001	AAKAASH H	9.56
2019	2	110119002	AATHITHYAN.K.K	9.47
2019	3	110119114	S SARAVANAN	9.36

B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	111117079	S ARAVIND	9.43
2017	2	111117013	ANMOL PANDA	9.34
2017	2	111117058	MANU AATITYA R P	9.34
2017	3	111117036	GUDAPATI NITISH	9.24

2018	1	111118091	R SURYANARAYAN	9.80
2018	2	111118110	S YADHUGIRIRAJAN	9.65
2018	3	111118031	GIRISH A N	9.61
2019	1	111119011	ANIRUDH S	9.55
2019	2	111119141	YATIN SHANKAR NARAYANAN	9.44
2019	3	111119096	RAFATH BANU	9.36
2019	3	111119111	SAVAR SATISH SHIRBHATE	9.36

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	112117016	B.SUBISHA	9.58
2017	1	112117057	S VENONSHYA	9.58
2017	2	112117034	PRAHNAOV A	9.42
2017	3	112117028	MANAN ATUL SURAIYA	9.32
2018	1	112118058	SURYARAO KIMAYA	9.94
2018	2	112118004	ARCHITA V	9.83
2018	3	112118050	SOWMMYA VENKATESH	9.58
2019	1	112119072	SIVARAJ B K	9.46
2019	2	112119046	MUDIT KESHARWANI	9.45
2019	2	112119068	SHIDDHARTHA R	9.45
2019	3	112119052	NITHEESH KUMAR R	9.42

B.Tech. / PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	114117083	SUNANTHA M	9.77
2017	2	114117064	POLA VAMSI RAHUL	9.75
2017	3	114117023	B VISHANTH HARI RAJ	9.61
2018	1	114118046	K MUTHU NARAYANAN	9.94
2018	2	114118093	SWESHA VENKATESHWARAN	9.74
2018	3	114118095	TOSHITH M	9.70
2019	1	114119107	SIVVANI M	9.76
2019	2	114119112	S THANIKAI SATHIYAN	9.67
2019	3	114119043	JEROME SAMUEL S	9.56

B.Tech. / I YEAR (2020)

Batch	Rank	Roll Number	Name	CGPA
2020	1	103120011	A MUKESH SUNDAR	9.84

2020	2	111120072	K.JOTHIKA	9.81
2020	2	111120095	N HARI BHARADWAJ	9.81
2020	3	107120056	JENNIE ANGELA JOSE SHIRLEY	9.76

M.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	202119011	JAGANATHAN J	9.11
2019	1	202119010	GOLLAPALLI MANI VEERA SANTHOSHI	9.11
2019	2	202119023	VADLANA DAVID RAJU	9.03
2019	3	202119002	AMRUTHA C	8.85
2020	1	202120015	MUHAMMED AFNAS	9.59
2020	2	202120007	HIMAJA VEMULA	9.39
2020	3	202120011	MADHANGI R	9.24

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2019	1	202219010	HONRAO SHUBHAM NANDKUMAR	9.28
2019	2	202219012	KESAVKUMAR A	8.98
2019	3	202219003	AZEETH KUMAR M	8.91
2020	1	202220019	SARASWATHI S	9.65
2020	2	202220022	SONALI DAS GUPTA	8.98
2020	3	202220009	GINKALA VIJAYA LAKSHMI	8.95

M.Tech. / ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	202319016	SANDEEP M	9.61
2019	2	202319023	VASURAJAN B	9.39
2019	3	202319001	ADHIL MUHAMMED A	9.30
2020	1	202320025	SHUBHASHISH	9.62
2020	2	202320018	M NAVEENA SHREE	9.21
2020	3	202320023	ROHIT KUMAR	9.19

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2019	1	203119022	SUSAN FRANCIS	9.77

2019	2	203119001	ARDRA V H	9.64
2019	3	203119021	SHILPA RAJAN	9.39
2020	1	203120002	ABHINAV MISHRA	9.71
2020	2	203120010	GANESHVIJAY R	9.43
2020	3	203120017	MEGHA C	9.26

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	203219009	CHINNU S NAIR	9.74
2019	2	203219011	KUMMARIKUNTLA YASHWANTH	9.38
2019	3	203219018	SATULURI TARAKA RAMA KALYAN	9.27
2020	1	203220021	SANJANA S KUMAR	9.71
2020	2	203220015	HEMANTHKUMAR H	9.26
2020	3	203220028	YELAGAPALLI SIMI APOORVA	8.98

M.Tech. / ENVIRONMENTAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	203419003	APARNA VS	9.39
2019	2	203419002	ANJU ANTONY	9.20
2019	3	203419013	K S SREELAKSHMI	9.17
2020	1	203420011	GOKUL PR	9.62
2020	2	203420004	ARCHANA M M	9.07
2020	3	203420022	SIVA SANKARI J	9.05

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2019	1	203519012	GAMINI SRI VALLI	9.80
2019	2	203519027	SHRADDHA RAWAT	9.02
2019	3	203519030	THIRUVASAGAM A	8.97
2019	3	203519020	PRAGYA SAINI	8.97
2020	1	203520018	RAHUL	9.50
2020	2	203520012	MANNU KUMAR	9.42
2020	3	203520013	M KAVYA	9.18

M.Tech. / GEOTECHNICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	203620023	SURISSETTI KALYANI LAKSHMI	9.12
2020	2	203620021	SREELAKSHMI N	9.07

2020	3	203620019	SAHIL HUSSAIN	9.00
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M.Tech. / DATA ANALYTICS

Batch	Rank	Roll Number	Name	CGPA
2019	1	205219027	YAZHMOZHI V M	9.95
2019	2	205219012	DHARMESH SINGH	9.14
2019	3	205219003	ALLA VINEELA SAI	9.05
2020	1	205220021	SHANTANU	9.50
2020	2	205220001	AAYUSH JAIN	9.48
2020	3	205220016	PREETI KESHA VA LAKMAPUR	9.05

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	206119017	SHREYA NARASIMHAN KL	9.38
2019	2	206119008	LEENA SINHA	8.86
2019	3	206119001	AMAN MAHANSARIA	8.85
2020	1	206120003	ANJALI GOENKA	9.52
2020	2	206120024	PRANAY GHOSH	9.29
2020	3	206120033	TRIVEDI PRAKSHAL HEMANT	9.24

M.Tech. / POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2019	1	207119004	BHARATHY KANNAN M	9.64
2019	2	207119011	MULIK PRAFULKUMAR SANJAY	9.39
2019	3	207119002	BALWANI MAYURKUMAR RAJKUMAR	9.31
2019	3	207119014	PATIL GANESH ANIL	9.31
2020	1	207120013	GRANDHE SRAVANI	9.65
2020	2	207120006	ASHISH TANDON	9.15
2020	3	207120027	RAUT GAURAV PRADIP	9.12

M.Tech. / POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2019	1	207219009	GUDHIPELA VEERANALLAIAH	9.47
2019	2	207219016	RAYUDU SUPRIYA	9.31
2019	3	207219004	AMIT SINGH TANDON	8.97
2020	1	207220025	SHAHID JAWED	9.30
2020	2	207220035	TUSHAR SONI	9.22
2020	3	207220010	DIPJOY DAS	9.18

2020	3	207220021	PANDYA JAY DAMODAR	9.18
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M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2019	1	208119010	KALAVAGUNTA DILIP KUMAR	9.73
2019	2	208119013	MAMILLA VAASANTHA THUSHAARA	9.47
2019	3	208119017	PALLAPINTI TARAKESWARI	9.27
2020	1	208120006	ANJU R S	9.45
2020	2	208120009	DEBRUP MUKHERJEE	9.31
2020	3	208120013	GUNUPATI SUMADHURA	9.07

M.Tech. / VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2019	1	208219010	KANDUKURU GOUSULU	9.52
2019	2	208219006	GANNAVARAPU VENKATESWARA RAO	9.38
2019	3	208219007	GUMPINA RAMA KRISHNA CHAITANYA	9.29
2020	1	208220008	GURUGUBELLI VASUDEVA RAO	9.81
2020	2	208220023	PAYAVULA SWATHI	9.31
2020	3	208220030	SHATHARAJUPALLY VINAYKUMAR	8.98

M.Tech. / INDUSTRIAL AUTOMATION

Batch	Rank	Roll Number	Name	CGPA
2020	1	210120006	DEVAKUMAR M	9.40
2020	2	210120010	KARTHIK R WARRIER	9.35
2020	3	210120023	S V V S KOUNDINYA	8.92
2020	3	210120024	VIVEK KUSHWAHA	8.92

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	211219001	AJIN C R	9.42
2019	2	211219022	SOORAJ SABU	9.36
2019	2	211219018	PRAJWAL I NAIK	9.36
2019	3	211219024	VIGNESH G	9.17
2020	1	211220023	SREELAL P P	9.38
2020	2	211220010	GANESH PATEL	9.28
2020	3	211220002	ARNAB GHOSH	9.25
2020	3	211220012	JITHU K M	9.25

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	211319011	MOHAMMAD ARSHAD RAZA	9.33
2019	2	211319005	ASWIN S KUMAR	9.27
2019	3	211319019	SANJEEV KUMAR	8.94
2020	1	211320004	BONI VIJAY KUMAR	9.15
2020	2	211320028	S SREEHARI	9.12
2020	3	211320020	RELKAR ATHARVA VILAS	9.00

M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	212119012	MURUGAN E	9.60
2019	2	212119001	ADARSH A K	9.09
2019	3	212119007	FAZAL IBRAHIM	8.98
2020	1	212120013	SANGAVI S	9.39
2020	2	212120017	SIVAGNANAPRAKASAM V	9.29
2020	3	212120022	VIGNESHWARAN E	9.24

M.Tech. / MATERIAL SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2019	1	212219004	ASHWIN M	9.31
2019	2	212219014	PATALE RESHMA RAOSAHEB	9.26
2019	3	212219017	RAJARAJAN K	9.22
2020	1	212220008	KAKARA SRI PUSHPA	9.22
2020	2	212220007	GUDUPU REVATHI DEVI	9.20
2020	2	212220019	VARSA P	9.20
2020	3	212220017	PATIL PRADNYA SAMPATRAO	9.17

M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2019	1	212319001	ARUN KUMAR V	9.37
2019	2	212319009	PEELA LASYA	9.25
2019	3	212319008	KUMARAGURU V	9.20
2020	1	212320013	SOUMYA NAYAK	9.49
2020	2	212320014	SUBHAM PAL	9.10
2020	3	212320003	BHUJBAL AJAY SUNIL	8.95

M.Tech. / NON-DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2019	1	213119021	SUDHANSHU PANDEY	9.44
2019	2	213119017	SAMARJIT NATH MAZUMDER	9.33
2019	3	213119024	VISHNU V GUPTHAN	9.14
2020	1	213120008	DEEPANSHU SURANIA	9.45
2020	2	213120010	HINDOCHA SHYAM PRAVINBHAI	9.20
2020	3	213120005	BHUPATHIRAJU ADITYA VARMA	9.18

M.Tech. / MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2019	1	214119010	KUMARESH D	9.70
2019	2	214119015	NIRMAL SHARMA	9.48
2019	3	214119018	PUTSALA VENKATA RAMANA	9.27
2020	1	214120007	ANKIT NEGI	9.61
2020	2	214120011	GOKULA KRISHNAN V	9.39
2020	3	214120018	MOHIT RENY	9.16
2020	3	214120028	SHIVAM KUMAR DWIVEDI	9.16

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2019	1	214219010	MOHAMMED SANJID	9.73
2019	2	214219019	SAURAF N	9.58
2019	3	214219001	ADAKMOL GAURAV RAJENDRA	9.23
2020	1	214220028	SUBRAMANYAM G	9.32
2020	2	214220033	VINEETH RADHAKRISHNA KURUP	9.10
2020	3	214220015	PATEL DEEPAKUMAR VINODKUMAR	9.07

M.ARCH. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2019	1	201119013	NUTHANA MANOHARAN	9.43
2019	2	201119006	JYOTI LUTHRA	9.42
2019	3	201119019	REBECCA MARIAM VARGHESE	9.27
2020	1	201120012	PONRAJALAXMI R	9.58
2020	2	201120023	V ANUSHA THOMAS	9.31
2020	3	201120013	PREETI N B	9.25

MBA / MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2019	1	215119084	SUBHA P	9.44
2019	2	215119011	APARAJITA BHATTACHARYA	9.39
2019	3	215119042	KARTHICK M	9.33
2020	1	215120095	SRIVASAN B	9.32
2020	2	215120097	SYEDSHAMEERAHAMED N	9.23
2020	3	215120020	ARJUN S CHIDAMBARAM	9.07

MSc / CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2019	1	204119016	PRIYA GARG	9.61
2019	2	204119017	RENNY LOUIS ANTO M	9.46
2019	3	204119018	SAURABH SHARMA	8.86
2020	1	204120001	AFREEN HOORIYA NACERUDDIN	9.74
2020	2	204120011	KUNDAN KUMAR OJHA	9.18
2020	3	204120025	SNEHA JAMES	8.87

MSc / COMPUTER SCIENCE

Batch	Rank	Roll Number	Name	CGPA
2019	1	205319007	MANSI AWASTHI	9.55
2019	2	205319010	PRIYA KUMARI	9.24
2019	3	205319006	KAMBLE PRAFUL GAUTAM	9.17
2019	3	205319014	TRIPTY DUBEY	9.17
2020	1	205320005	ATULYA AKASH	9.55
2020	2	205320023	VINAYAK GUPTA	9.26
2020	3	205320011	MOHIT KAUSHIK	9.24

MSc / PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2019	1	213219002	ANKIT CHOUDHARY	9.46
2019	2	213219012	MANISHA PATRO	9.39
2019	2	213219015	RISHABH KUMAR	9.39
2019	3	213219009	GOWRI S	9.29
2020	1	213220025	ZENIA ZURAIQ	9.79
2020	2	213220018	RHYTHM KHURANA	8.92
2020	3	213220006	FATHIMA SHIRIN PT	8.84
2020	3	213220008	HARIHARA BISWANATH	8.84

M.Sc. / MATHEMATICS

Batch	Rank	Roll Number	Name	CGPA
2019	1	216119015	SONU KUMARI	9.32
2019	2	216119016	SOURABH SINGH	9.13
2019	3	216119017	VARSHA YADAV	8.84
2019	3	216119019	VIMAL KUMAR M	8.84
2020	1	216120020	SUBHADRAKUTTY R	9.32
2020	2	216120001	AJAY JOSEPH	9.12
2020	3	216120017	PRIYAKSHI NATH	8.85

MCA / COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2018	1	205118079	KM SWE EK RITI SINGH	9.62
2018	2	205118009	ANKUR JAIN	9.28
2018	3	205118022	HARSH BHADORIA	9.24
2018	3	205118030	KUNAL KUMAR BHAVSAR	9.24
2019	1	205119036	HARSH BHABAR	9.32
2019	1	205119053	MAYANK SHARMA	9.32
2019	2	205119016	ANKUR DUBEY	9.21
2019	2	205119018	ANSHIKA PANDEY	9.21
2019	3	205119010	AMIT GUPTA	9.16
2019	3	205119067	PRANSHU MISHRA	9.16
2020	1	205120002	AAYUSHI	9.33
2020	2	205120007	AKRITI UPADHYAY	9.31
2020	3	205120037	JASBIR	9.18
2020	3	205120069	PARAS TIWARI	9.18

M.A. / ENGLISH (LANGUAGE AND LITERATURE)

Batch	Rank	Roll Number	Name	CGPA
2020	1	209120004	BHUVANA SRI V.	9.67
2020	2	209120006	CHRISTINA JOSHY	9.50
2020	3	209120019	REVATHY KRISHNAN	9.42

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.	102118008	ANUJ DASGUPTA
		102118037	MAYANK JHA
		102118017	DHARSHINI N
		102118048	PUVADA SREEVARSHA
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.,	103118040	KARTHIKA G KUMAR
3.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213120008	DEEPANSHU SURANIA
4.	Prof. S. Muthukaruppan Endowment award for the second Rank holder inEEE Branch up to VII Semester.	107118025	CHAKRADHAR SAU
5.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	106118053	MADHAV AGGARWAL
6.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108118061	L P PRATHIK REDDY
7.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102120067	R VISHNU BHARADWAJ
		102120050	NIVETHA R
		111120142	YASH ASHOK KUMAR PATEL
8.	Sri. Avinash memorial award for thebest outgoing female student of ICE branch	110118049	MIRIAM SANTHOSH KADAVAN
9.	Sri. Avinash memorial award for thebest outgoing male student of ICE branch	110118043	MADHAVAN B S
10.	Prof. Ibrahim / Dr.Sittaraman Award forthe best outgoing student of DoMS	215120095	SRIVASAN B
11.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215120056	MOHAMMAD RAZIA
12.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108118061	L P PRATHIK REDDY
13.	Karthik S Memorial Award For the First Rank Holder upto VII semester in B.Tech. Production Engineering.	114118046	K MUTHU NARAYANAN
14.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder uptoVII semester in B.Tech. ECE	108118061	L P PRATHIK REDDY
15.	Late S. Doraiswamy Memorial Award For the First Rank Holder upto III semester M.Tech. industrial safety Engineering.	211220010	GANESH PATEL
16.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	102120064	RISHI NAIR
17.	Mr. Subash Chandrabose Endowment	112118058	KIMAYA SURYARAO

	Award for the Best Outgoing in B.Tech. MME		
18.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108119107	SENTHILNATHAN S
19.	S J Chainlu medal of Excellence (For the First Rank Holder in the First year)		
	1. Chemical Engineering	102120029	DIVYADHARSHINI D S
	2. Civil Engineering	103120011	A MUKESH SUNDAR
	3. Computer science and Engineering	106120038	GOPU YESHWANTH REDDY
	4. Electrical and Electronics Engineering	107120056	JENNIE ANGELA JOSE SHIRLEY
	5. Electronics and Communication	108120043	HARSHINEE MURALI
	6. Instrumentation and Control Engineering	110120061	K .V.SWETHA
		111120072	K.JOTHIKA
	7. Mechanical Engineering	111120095	N HARI BHARADWAJ
8. Metallurgical and Materials Engineering	112120058	SHLOK UPADHYAY	
9. Production Engineering	114120072	MAITHREYAN.G	
20.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	215121063	RAGHASHREE D
		215121088	VARSHA CHANDRAN
21.	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)	112118058	KIMAYA SURYARAO
22.	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	112119068	SHIDDHARTHA R
23.	Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai	112118004	ARCHITA V
24.	Anjali Surendran Endowment Award for the best out-going undergraduate student from Production Engineering Department	114118093	SWESHA VENKATESHWARAN
25.	Best NCC Cadet	114118043	Late.KAPIL KUNT
26.	Dr.S.H. Ibrahim memorial award Best outgoing student in B.Tech. Chemical Engineering	102118037	MAYANK JHA
		102118048	PUVADA SREEVARSHA
	Dr.S.H. Ibrahim memorial award Best Student in the Field of 'MASS TRANSFER' in B.Tech. (Chemical Engineering)	102118008	ANUJ DASGUPTA
27.	RECT'78 alumni medal for the best outgoing girl student	114118093	SWESHA VENKATESHWARAN

5. 5. 3. Alumni Awards

B.Arch. / B.Tech.

Sl.No.	Department	Roll No.	Name	CGPA
1.	Architecture	101117037	SRI AAKASH S	9.03
2.	Chemical Engineering	102118008	ANUJ DASGUPTA	9.74
3.	Civil Engineering	103118040	KARTHIKA G KUMAR	9.31
4.	Computer Science and Engineering	106118103	V AANANTH	9.55
5.	Electrical and Electronics Engineering	107118084	SANDIPAN ROY	9.52
6.	Electronics and Communication Engineering	108118061	L P PRATHIK REDDY	9.69
7.	Instrumentation and Control Engineering	110118049	MIRIAM SANTHOSH KADAVAN	9.68
8.	Mechanical Engineering	111118091	R SURYANARAYAN	9.87
9.	Metallurgical and Materials Engineering	112118058	SURYARAO KIMAYA	9.91
10.	Production Engineering	114118046	K MUTHU NARAYANAN	9.79

M.Arch. / M.Tech. / M.Sc. / MCA / MBA / MA

Sl.No.	Dept./Specialization	Roll. No.	Name	CGPA
1.	Architecture			
	Energy Efficient and Sustainable Architecture	201120012	PONRAJALAXMI R	9.69
2.	Chemical Engineering			
	Chemical Engineering	202120007	HIMAJA VEMULA	9.53
	Process Control and Instrumentation	202220019	SARASWATHI S	9.50
3.	Energy and Environment			
	Energy Engineering	202320012	GANGULA SATYANARAYANA	9.28
4.	Civil Engineering			
	Transportation Engineering and Management	203120002	ABHINAV MISHRA	9.78
	Structural Engineering	203220021	SANJANA S KUMAR	9.78
	Environmental Engineering.	203420011	GOKUL PR	9.70
	Construction Technology and Management	203520012	MANNU KUMAR	9.56
	Geotechnical Engineering	203620021	SREELAKSHMI N	9.28
5.	Computer Science and Engineering			
	Computer Science and Engineering	206120003	ANJALI GOENKA	9.63
6.	Electrical and Electronics Engineering			
	Power Systems	207120013	GRANDHE SRAVANI	9.73
	Power Electronics	207220021	PANDYA JAY DAMODAR	9.37

7.	Electronics and Communication Engineering			
	Communication Systems	208120006	ANJU R S	9.57
	VLSI System	208220008	GURUGUBELLI VASUDEVA RAO	9.85
8.	Instrumentation and Control Engineering			
	Industrial Automation	210120010	KARTHIK R WARRIER	9.50
9.	Mechanical Engineering			
	Industrial Safety Engineering	211220010	GANESH PATEL	9.44
	Thermal Power Engineering	211320004	BONI VIJAY KUMAR	9.12
10.	Metallurgical and Materials Engineering			
	Welding Engineering	212120022	VIGNESHWARAN E	9.42
	Materials Science and Engineering	212220008	KAKARA SRI PUSHPA	9.17
	Industrial Metallurgy	212320013	SOUMYA NAYAK	9.38
11.	Production Engineering			
	Manufacturing Technology	214120007	ANKIT NEGI	9.47
	Industrial Engineering and Management	214220028	SUBRAMANYAM G	9.23
12.	Physics			
	Non Destructive Testing (M.Tech.)	213120008	DEEPANSHU SURANIA	9.35
	Physics (M.Sc.)	213220025	ZENIA ZURAIQ	9.80
13.	Chemistry			
	Chemistry (M.Sc.)	204120001	AFREEN HOORIYA NACERUDDIN	9.78
14.	Mathematics			
	Mathematics (M.Sc.)	216120001	AJAY JOSEPH	9.35
15.	Management Studies			
	Master of Business Administration (MBA)	215120095	SRIVASAN B	9.30
16.	Computer Applications			
	Data Analytics (M.Tech.)	205220021	SHANTANU	9.62
	Master of Computer Applications (MCA)	205119019	ARIHANT BANTHIA	9.06
	Computer Science (M.Sc.)	205320005	ATULYA AKASH	9.47
17.	Humanities & Social Sciences			
	English (Language & Literature) - MA	209120004	BHUVANA SRI V.	9.56
		209120006	CHRISTINA JOSHY	9.56

5.5.4. OTHER AWARDS (INSTITUTED BY RECAL)

Sl.No.	Name of the award	Roll No.	Name
1.	Overall Outstanding Student of the Year	106118053	MADHAV AGGARWAL

2.	Anand Chidambaram Memorial Award	102118036	MANCHALA RAHUL
3.	Outstanding Sportsman	413115051	KIRUBANITHY M
		106118041	JERRY J
4.	Outstanding Sport Woman	101117038	SRINIDHI CHIRRAVURI
5.	Best Batsman of the year	114118062	PRANEASHRAM D
6.	Best Bowler of the year	102118018	DINAKAR D M

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)

Sl.No	Departments	Research Articles	Publications in Q1 Journal Quartile by SJR	Publications in Q2 Journal Quartile by SJR
1	Department of Architecture	3	0	0
2	Department of Computer Applications	46	18	10
3	Department of Chemical Engineering	54	36	12
4	Department of Chemistry	68	39	22
5	Department of Civil Engineering	59	28	16
6	Department of CSE	32	13	7
7	Department of ECE	74	14	24
8	Department of EEE	30	13	11
9	Department of Energy & Environment	12	8	1
10	Department of Humanities	21	6	4
11	Department of ICE	26	5	10
12	Department of management Studies	18	3	6
13	Department of Mathematics	31	5	11
14	Department of Mechanical Engineering	65	22	28
15	Department of MME	37	17	12
16	Department of physics	68	23	32
17	Department of Production Engineering	56	14	24

(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 2021-22

3	Departments	Sponsored Projects		Consultancy (in Lakhs)	Revenue through short term courses (in Lakhs)
		Nos.	Values (in Lakhs)		
1.	Chemical Engineering	3	0.60		0.56700
2.	Chemistry	5	222.52568	0.87260	0.26830
3.	Civil Engineering	6	166.09740	219.57569	0.32750
4.	Computer Applications	--	---	18.32276	0.31500
5.	Computer Science Engineering	3	75.55032		0.74950
6.	Electrical and Electronics Engineering	4	201.31970	5.98930	1.22418
7.	Electronics and Communication Engineering	5	151.34165	7.08000	1.45478
8.	Energy and Environment	2	205.96109	2.83367	
9.	Instrumentation and Control Engineering	4	121.46224	10.00000	
10.	Management Studies	--	--		1.79600
11.	Mathematics	1	15.15900		3.37250
12.	Mechanical Engineering	1	10.05000	2.92062	0.29500
13.	Metallurgical and Materials Engineering	4	149.13040	25.48925	1.21000
14.	Physics	1	10.05000	0.04800	
15.	Production Engineering	4	52.83255		
16.	Siemen Centre of Excellence	-	-		
17.	others				3.54226
Total			1382.08003	293.13189	15.12202

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

5. 6. 3. Details of Sponsored projects for the Financial year 2021-22

S. No.	Name of PI/ Co-PI	Department	Title of the Project	Funding Agency	Sanctioned Date	Sanctioned amount(Rs.)
1.	Dr.R.Manjula	CIVIL	Application of Natural fiber reinforced polymer as alternative to synthetic fiber reinforced polymers	TATA	TATA - Steel MoU	610296

2.	Dr.Ezhilarasi	ICE	Design and development of low cost multifunctional lower limb exoskeleton system for motion assistance to paraplegics	SERB	SPG/2021/01420 DT:03.06.2021	4256164
3.	Dr.V M Jaganathan	DEE	"Biomass driven trigeneration system for improving the livelihood of Scheduled Tribes at Athanavur village, Yelagiri Hills, Tamil Nadu"	DST	NO:DST/SEED/TSP/STI/2020/243/G DT:31.03.2021	10812139
4.	Dr.S S Karthikeyan	ECE	Development of 3D printed wearable button antenna for soldier performance monitoring application	SERB	FILE NO:IMP/2018/002127 DT:22.02.2019.	5053461
5.	Dr.K.Murugesan	MAT HS	'Synchronization of time delayed boolean networks and its application in image encryption"	DAE	FILE NO:02011/21/2021 NBHM(R P) R&D II 9243 DT :10.08.2021	1515900
6.	Dr.Saravana Ilango	EEE	Sustainable energy system for achieving novel carbon neutral energy communities (SUSTENANCE)	DST	FILE NO:DST.TMD/INDIA/EU/ILES/2020/19 © DT :30.06.2021	11860080
7.	Dr.sishaj p simon	EEE	'A 10 kw pilot PV Plant based on single axis solar tracking system using second lever priciple"	DST	F NO:DST/TMD/CERI/RES/2020/35 (G) DT:27.08.2021	4230626
8.	Dr.M.Brintha	CSE	A Versatile protable framework for economic & skill empowerment of women's sustainable livelihoods through digital literacy"	DST-SEED	F.NO:SEED/WTP/2020/66(G) DT:17.08.2021	3659298
9.	Dr.Varun Gopi	ECE	'Machine learning /Artificial intelligence (ML/AI)harware/software framework for vyomnoids"	ISRO-RESPOND	NO:ISRO/RES/3/877/21-22 DT:6.09.2021	4955000
10.	Dr.V.Senthil kumar	PRO	Design and analysis of armour solution against mine blast	DRDO	CVRDE/21CR0002/MBT/20-21/LP, DT:03.02.2021/11.03.2021	2268255

11.	Dr.M.Umapathy	ICE	"On-line oil debris monitoring sensor"	DST	DST/TDT/D DP-43- 2021(G) Dt.27.09.20 21	3648340
12.	Mrs.Then mozhi Ganapathy Mentior:	ICE	Exploration of variable impedance self sensing behaviour of Magnetic shape memory alloy actuator for assistive devices	DST	DST/WOS- B/HN- 15/2021 - Thenmozhi(G) Date :20.09.2021	2238400
13.	Dr.V.Karthik	MME	Exploring the practicability of Extracting platinum and palladium from the mineral beds of sittampudi village in salem district of tamil nadu an experrimental and molecular dynamics approach	MoM	F no:Met4- 14/29/2021 dt:01.12.202 1	1500000
14.	Dr.Baby Viswambharan	CHY	Cross oxidative coupling/ cyclization cascade of amino acid enolate and enamines :an umpolung strategy for n heterocyclic compounds (COACCEE)	SERB	F NO:SRG/20 21/002206 Dt:03.01.2.2 021	3308040
15.	Dr.Jothi Lakshmi Nallasivam	CHY	Transition metal catalyzed carbo-functionalization of conjugated alkene system: En route to natural and drug croes	SERB	F.NO:CRG/ 2021/00812 1 DT:13.12.20 21	3943764
16.	Dr.Sunandan Sarkar	CHY	Atomistic simulations of photoexcited processes of carbon dots based nanohybrids for rational design of effcient light harvesers	SERB	F.NO:CRG/ 2021/00289 3 DT:13.12.20 21	2095764
17.	Dr.V.Sunitha	CIV	Development of optimization models and decision support system for national highways	NHAI	NHAI/SRD &Q/138/202 0/327 DT:22.10.20 20	6886000
18.	Dr.Aneesh mathew	CIV	Spatio temporal modeling and analysis of urban heat island effect over bangolre and hyderbad cities in india using geospatial techniques	SERB	SRG/2021/0 02067 DT:17.12.20 21	2967400
19.	Dr.PrinceGideo n kubendran amos	MME	Using statistical data-mining techniques to understand the cumulative influence of geometrical and topological features on grain growth	SERB	SRG/2021/0 00092 DT:30.12.20 21	2846840
20.	Pi Dr.Surya Rajan B /	PRO	SERB -TARE	SERB- TARE	TAR/2021/0 00070	1005000

	Mentor.Dr.Lenin Singaravelu				DT:21.12.2021	
21.	Dr.Ponnilavan/ Mentor :Dr.N.Ramesh Babu	MME	SERB-NPDF	SERB-NPDF	PDF/2021/01973 DT:12.01.2022	2131200
22.	Dr.Mohammed Asif M / Mentor : K.Panner selvam	PRO	SERB-TARE	SERB-TARE	TAR/2021/00042 DT:11.1.2022	1005000
23.	Dr.V.Rajkumar Mentor - Dr.N.Sivashanmugam	Mechanical	SERB-TARE	SERB-TARE	TAR/2021/00014 DT:11.1.2022	1005000
24.	DR.R.Balakrishnan	CSE	study on colluding andriod apps:mitigating the threat using machine learning techniqie	SERB	SRG/2021/01898 DT:24.01.2022	1598120
25.	Dr.Essaakimuthu S / Mentor :Dr.Justin josephus	PHY	Tunable magnetic and magnetocaloric properties of rare earth free Fe-Ni-Cu crystalline and amorphous alloys through low cost chemical method for magnetic refrigeration applications	SERB-TARE	TAR/2021/00097 DT:25.01.2022	1005000
26.	Dr.M P SELVAN	EEE	Development of metal 3d printed lightweight flywheel and novel control algorithm for micro -gird energy storage applications	SERB	CRG/2021/00521 DT:14.01.2022	3036264
27.	Dr.P.Maheswarn	ECE	Orthogonal time frequency space modulation based index modulation of 6G Communication systems	SERB	SRG/2021/001406 DT:24.01.2022	1606940
28.	Dr.V.M.Jaganathan	DEE	Design and development of a fully aautomated prototype of the IITM bio mas gasification system	GAIL	GAIL/NOID/21117/5900000433 DT:25.11.2021	9783970
29.	Dr.Kumar Mentor: Dr.Lenin Singaravelu	PRO	SERB-TARE	SERB-TARE	TAR/2021/00068 DT:01.02.2022	1005000
30.	Dr.Karhik kumar Mentor: Dr.S.Anandan	CHY	SERB-TARE	SERB-TARE	TAR/2021/00043 DT:01.02.2022	1005000
31.	Dr,Aravind C K Mentor: Dr.Senthilkumar	EEE	SERB-TARE	SERB-TARE		
32.	Dr. G.Thavasi raj	ECE	Deep learning based and reconfigurable	SERB	CRG/2021/003646	2513764

			multifunctional nanophotonic interconnects for hyperscale data centers and 6G Backhaul networks		DT:03.02.2022	
33.	Dr .Gracia Nirmala Rani Mentor: Lakshmi Narayanan	ECE	SERB-TARE	SERB-TARE	TAR/2021/000335 DT:03.02.2022	1005000
34.	Dr.R.Deendayal	CIV	Experimental Investigation On Conventional And Innovative Piles For Off Shore Wind Turbines (Owt) Foundation System Subjected To Long Term Cycle Loading	SERB	EEQ/2021/000045 DT:24.02.2022	2733544
35.	Dr.Kunwar singh	CSE	Research and development of secure and privacy preserving blockchain based smart contract and its application	SERB	EEQ/2021/000305 DT:25.02.2022	2297614
36.	DR.Jothi Shau	CHL	Analysis of salt hydrates for thermal energy storage	IICE	AG/R&D/2022/525 DT:03.02.2022	20000
37.	Dr M Matheswaran	CHL	IICE	IICE		20000
38.	Dr.K.M.Meera Sheriffa Begum	CHL	Microwave Catalytic Pyrolysis of E.waste using bimetal doped char for fuel Production	IICE	AG/R&D/2021/220-226 Dt:16-09-2021	20000
39.	Dr.R.Periyasamy	ICE	Development of novel sensing device for evaluating sensory impairment on diabetic foot to detect ulcer risk areas at early stage	DST - SEED	SEED/TIDE /2019/638/G DT:23.02.2022	2003320
40.	Dr.O.Darshana	CIV	Niche and strength in technological and scientific research areas with medium and long term goals (csir)with nodal institute	CSIR	CSIR/CRR/ NITT/2021 DT:31.12.2021	862500
41.	Dr.Saravanakumar Elangovan	CHY	REMANUJAN-FELLOWSHIP	SERB	FILE NO:RJF/2021/000062 DT:15.03.2022	11900000
42.	Dr.V.Sunitha	CIV	Performance evaluation of cement concrete pavements in rural roads	NRDA	NRRDA-PO10(21)/2/2018-Dir(Tech) (E:361383)-7	2550000

					dt:15.03.2022	
43.	Dr.Nagarajan	MME	Realisation of A1 Alloy AA2219/AA2014 integrally stiffened cylindrical structure through flow forming	ISRO-RESPOND	ISRO/RAC-S/NITK/2021-22 DT:01.12.2021	8435000

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

5. 6. 4. Patents Published in the calendar year 2021

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Forced Cooling Friction Stir Welding Tool and Method Thereof	Dinesh Kumar Rajendran , Muthukumaran Shanmugam	MME	202141059942
2.	A Process of Synthesis of 5,5'-(FURAN-2,5-DIYL) BIS(THIOPHENE-5,2-DIYL) DIMETHANOL	Dr. Ramasamy Karvembu , Nithya Murugesu , Seenuvasan Vedachalam	CHY	202141042633
3.	Anti-Manipulation Combination Lock Device and Method Thereof	Girithar T A ,K. Yuvaprashanth , Kunal Yadav ,Niranjan Kumar P , Rohit Surya K ,Yash Prakash	MECH	202141045150
4.	System and Method for Designing Frequency Selective Surfaces Based on Multi-Cavity Substrate Integrated Waveguide	Dr. Singaravelu Raghavan , Dr. Varikuntla Krushna Kanth	ECE	202141052237
5.	Biogenic Pickling Solution For Mild Steel	Arthur James Rathinam ,Ashok Mahalingam , Harinee Subramanian ,Henciya Santhaseelan , Mathimani Thangavel ,Muthukumar Krishnan , Palanichamy Seeni ,Rajkuberan Chandrasekaran , Santhosh Gokul Murugaiah , Subramanian Gopalan ,Vignesh Sivanandham	PHY	202141026551
6.	Iot Based Smart Multi-Functional Ventilator System And Method Thereof	Aravindakshan G A , Bhuvaneshwari Loganathan , Dr. M. Duraiselvam , Dr. Mithileysh Sathiyarayanan , Dr. Sumathi Sokkanarayanan , Joybe J Mathew	PRO	202041036386
7.	Shape Compliant Robotic Gripper And Method Thereof	Anand Asokan, Balasubramaniyan Ram, Dr. Dhanalakshmi K., Nalini D.	ICE	202041030885
8.	A Multi-Directional Display Device to Enable Active User Screen Time and Method Thereof	Dr. B. Janet	CA	202141002355
9.	Portable Vibrating Sheepsfoot Compactor and Method Thereof	Dr. Deendayal Rathod , Mohammed Shakeel Abid	CIV	202141013980
10.	Cylindrical Substrate Coating	Dr. S.P. Sivapirakasam, M.	MECH	202041025422

	Apparatus and Method Thereof	Rahul, B.R Vishnu, Dr. Sreejith Mohan		
11.	Single Axis Solar Tracking System and Method Thereof	Dr. K. Sundareswaran ,Dr. P. Srinivasarao Nayak ,Dr. Sishaj P Simon ,Krishna Kumba ,Mohammed Mansoor O ,Venkateswarlu Gundu	EEE	202041040239
12.	Syngas From Semecarpus Anacardium Shells And Method Thereof	Dr. Anand Ramanathan ,R. Muthudineshkumar ,Vinoth Thangarasu	MECH	202141000717

Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 5. Patents granted in Calendar year 2021

S.No.	Title of Invention	Inventors	Department	Patent No.
1.	Syngas From Semecarpus Anacardium Shells And Method Thereof	Dr. Anand Ramanathan , R. Muthudineshkumar , Vinoth Thangarasu	MECH	380314
2.	Carica Papaya Extract Based Conductivity Additive For Hydrocarbon Fuels And Method Thereof	Dr. S. P. Sivapirakasam , S.Nandakumar	MECH	383295
3.	Biodiesel From Non-Edible Semecarpus Anacardium Seed Oil And Method Thereof	Dr. R. Anand ,T. Vinoth	MECH	364821
4.	A Solid Waste Barrier Liner Composition For Landfill With Clay And Microsilica	G. Swaminathan , G. Venkatesan , S. Lakshmana Prabu	CIV	361492
5.	Preparation Of Biocatalyst From Aegle Marmelos Correa Frut Shell For Bio Diesel Production	Dr.R.Anand ,Mr. T.Vinoth	MECH	378291
6.	Smart Load Node For Non-Smart Load	Amit Roy, M. P. Selvan, Shashank Singh	EEE	370466
7.	Variable Volume Mini Tank Testing Equipment And Method Of An Airbag Chemical Performance Test	Dr. K.R. Balasubramanian, Dr. S. P. Sivapirakasam , K. Harisivasri Phanindra, T. Dayananda	MECH	384748
8.	Synthesis Of Carbon Supported Calcium Methoxide Green Catalyst From Senna Siamea Pod For Biodiesel Production	Dr. R. Anand, T. Vinoth	MECH	376505

Source: IPR Cell, NIT, Tiruchirappalli

5. 6. 6. Faculty Awards for The Year 2021-2022

Best Performance in Teaching, Research and Institutional Development

S. No.	Name Of The Faculty	Designation	Department
1	Dr. D. Kannamma	Assistant Professor	Architecture
2	Dr. N. Samsudeen	Assistant Professor	Chemical Engineering

3	Dr. Ganesh Chandra Nandi	Assistant Professor	Chemistry
4	Dr. Sambandam Anandan	Professor	Chemistry
5	Dr. Sunitha V	Assistant Professor	Civil Engineering
6	Dr. K. Muthukkumaran	Professor	Civil Engineering
7	Dr. U. Srinivasulu Reddy	Assistant Professor	Computer Applications
8	Dr. M. Sridevi	Assistant Professor	Computer Science and Engineering
9	Dr. P. Srinivasa Rao Nayak	Assistant Professor	Electrical and Electronics Engineering
10	Dr. Sishaj P Simon	Associate Professor	Electrical and Electronics Engineering
11	Dr. N.Gunavathi	Assistant Professor	Electronics and Communication Engineering
12	Dr. E.S.Gopi	Associate Professor	Electronics and Communication Engineering
13	Dr. P. Palanisamy	Professor	Electronics and Communication Engineering
14	Dr. Jaganathan VM	Assistant Professor	Energy and Environment
15	Dr. Umasankar Patra	Assistant Professor	Humanities and Social Sciences
16	Dr. Sathyaraj Venkatesan	Associate Professor	Humanities and Social Sciences
17	Dr. R.Periyasamy	Assistant Professor	Instrumentation and Control Engineering
18	Dr. K. Srinivasan	Associate Professor	Instrumentation and Control Engineering
19	Dr. B. Janarthanan	Assistant Professor	Management Studies
20	Dr. M. Punniyamoorthy	Professor (HAG)	Management Studies
21	Dr. Sreejith Mohan	Assistant Professor	Mechanical Engineering
22	Dr. S Suresh	Associate Professor	Mechanical Engineering
23	Dr. V. Karthik	Assistant Professor	Metallurgical and Materials Engineering
24	Dr. Annapureddy Venkateswarlu	Assistant Professor	Physics
25	Dr. B. Karthikeyan	Associate Professor	Physics
26	Dr. S Vinodh	Associate Professor	Production Engineering

Best Innovator Award:

S. No.	Name of the Faculty	Designation	Department
1	Dr R Anand	Associate Professor	Mechanical Engineering
2	Dr S P Sivaprakasam	Professor	Mechanical Engineering
3	Dr Sishaj P Simon	Associate Professor	Electrical and Electronics Engineering

5. 6. 7. Budding Researcher Award for the year 2021-2022

Ph.D. Research scholars:

S. No	Name	Roll Number	Department
1.	B. Sasikumar	402117002	Chemical Engineering
2.	Gerard Deepak	406118007	Computer Science and Engineering
3.	Arya S	409119052	Humanities and Social Sciences
4.	Lella Kranthi Kumar	405119002	Computer Applications
5.	Praveen SV	415119052	Management Studies
6.	Arjun Siva Rathan	403118002	Civil Engineering
7.	Vishal Ashok Wankhede	414119009	Production Engineering
8.	Raja Rakkappan	411118008	Mechanical Engineering

5. 6. 8. Best Departments

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

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

Engineering Discipline:

Department of Mechanical Engineering

Non-Engineering Discipline:

Department of Chemistry

In addition, Due recognition would be given for consistent performance (1st place) to Department of Physics (Non-Engineering Discipline), by allocating extra funds for research and development.

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:

Sl. No.	Name of Scholarship	Scholarship
1	Central Sector Scholarship scheme of top-class education for SC Students (Implemented by Ministry of Social Justice and Empowerment, Govt. of India)	Rs. 53,100
2	Central Sector Scholarship scheme of top-class education for ST Students (Implemented by Ministry of Tribal Affairs)	Rs. 53,100
3	National Scholarship for persons with disabilities (Ministry of Social Justice and empowerment, Government of India), Trust Fund	Rs. 45,900
4	Prime Minister's Scholarship Scheme	Rs. 2,000/- per month for boys Rs. 2,250/- per month for girls
5	Rajiv Gandhi National Fellowship	Rs. 8,000/- per month (Ph.D.)
6	UGC Scholarship	Rs. 25,000/- per month (Ph.D.)
7	Swami Dayananda Foundation Scholarship	Rs. 1,00,000/- per annum
8	National Talent Search Scheme, New Delhi	Rs. 2,000/- per month
9	National Handicapped Finance & Development Corporation, New Delhi	Decided by the Trust

State Government Scholarship:

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

Private / Corporate / Other Scholarship:

Sl. No.	Name of Scholarship	Scholarship
1	Oil & Natural Gas Corporation Scholarship for SC/ST students	Rs 48,000/- Per annum
2	Oil & Natural Gas Corporation Scholarship	Rs 48,000/- 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 2021-2022 are as follows: (Refer NIRF document)

Sl. No.	Programme	No. of students receiving Scholarships from the State and Central Government	No. of students receiving Scholarships from Institution Funds	No. of students receiving Scholarships from the Private Bodies
1	B.Tech.	854	70	19
2	B.Arch.	17	09	01
3	M.Tech., M.Sc., and MBA	38	36	08
4	MCA	33	17	-

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.

Sl. No.	Department	No. of Scholars in Ph.D.
1.	Computer Science and Engineering	04
2.	Electrical & Electronics Engineering	05
3.	Electronics and Communication Engineering	01
4.	Instrumentation and Control Engineering	01
5.	Metallurgical and Materials Engineering	01
6.	Production Engineering	01
7.	Humanities and Social Sciences	01

7. DEPARTMENTS

7.1. ARCHITECTURE

The Department of Architecture was started in the year 1980, offering B.Arch. with an intake of 15 students. At present, the department offers one Under-Graduate programme (B.Arch.), one Post-Graduate programme (M.Arch. in Energy Efficient and Sustainable Architecture), and a research programme (Ph.D.) in Architecture and allied fields. The Department of Architecture is well recognized as one of the top institutions offering Architecture education and ranked 8th position in the NIRF.

The facilities of the department include a separate computer lab for UG and PG students with all required software, a Building science laboratory, Model making workshop, a department library, a Construction yard, and a Materials museum. The faculty members are also carrying out architectural consultancy works. Faculty members are involved in research and published research papers in national and international journals as well as presented papers in international conferences.

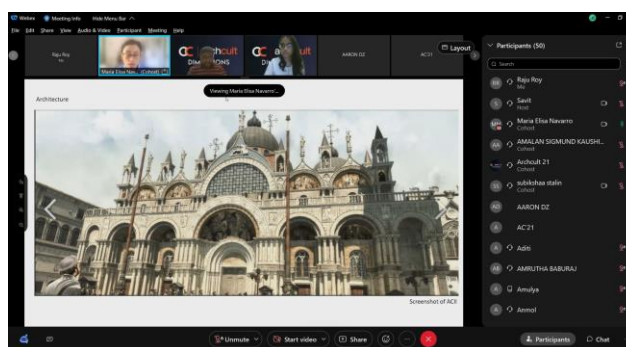
During the pandemic situation also, the department invites academicians, practicing Architects, and industry experts as guest faculty and external reviewers through virtual platforms to impart practical knowledge to the students. Despite having the pandemic situation, with the efforts, dedication, and tremendous hard work by the internship batch of B.Arch students, all of them placed in very reputed firms located all over India.

Summary (AY 2021 - 22)

S.No.	Details	Total Nos.	
		Books	Book chapters
1.	No. of books / books chapters published		1
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		1	
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
			7
4.	Guest Lectures	Delivered	Organized
		6	

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 and guest lectures with eminent resource persons in the various field of architecture. As it was an online event, this allowed international students to attend and be part of the workshop. Around 1000 participants attended the workshop and made it a great success and a memorable event.

ARCHCULT 2021 from 09.10.2021 to 24.10.2021



7.2. CHEMICAL ENGINEERING

The aim of our department is to develop the academic, industrial and entrepreneurial leaders of tomorrow, together with the industrial processes and bioscientific advances that they will use. Our strategy is to work at the interfaces between engineering, chemistry, biology, mathematics, computer software, industrial economics and physics. World leading science requires a diverse set of people, skills, ideas, and opinions. Chemical engineers are unique in a variety of ways, from product development to equipment design, from healthcare to material science, and so on. The Department has a versatile faculty strength with competent research insights. In addition to our well experienced technical staffs, we have recently added a Technical Assistant, a Senior Technician, and a Technician to support the department's laboratories, research, and consulting activities. Department research activities are also supported by DST-FIST and various other schemes.

The Chemical Engineering Association 2021-2022 of NIT Trichy was inaugurated honoured to have Dr. Praveen Linga Dean's Chair Associate Professor, Department of Chemical and Biomolecular Engineering, National University of Singapore as our chief guest. The Indian Institute of Chemical Engineers' (IChE) student chapter at NIT, Trichy has organized guest lecture series to celebrate IChE's Platinum Jubilee Year! An International Conference on "Environmentally Benign Processes, Products and Materials for Sustainable Ecosystem (EBPPM-2021)" was organised during November 2021. Workshops sponsored by AICTE MARGDARSHAN and SICI were successfully conducted. 3 day Students level symposium "Alchemy 2022" was a grand success which witnessed having Dr.A.B.Pandit, Vice Chancellor, ICT, Mumbai as the chief guest. During Alchemy 2022, Dr. S .H. IBRAHIM ENDOWMENT LECTURE was delivered by Mr. V.SRINIVASAN (Retd. Deputy Director, VSSC, ISRO, Trivandrum).

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.		
1.				
2.	No. of books / books chapters published	Books	Book chapters	
		1	2	
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		3	1	
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	Conference / Seminar / Symposia / Workshops Attended by the faculty
		12	33	1
5.	Guest Lectures	Delivered	Organized	
		21	12	
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	2	
7.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		1	7.5	
8.	No. of books / books chapters published	Books	Book chapters	
		1	2	



(a) Chemical Engineering Association Inauguration held on March 25-27 2022



(b) International Conference on Environmentally Benign Processes, Products and Materials for Sustainable Ecosystems (EBPPM - 2021) held on 19-20, November, 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, 80 research papers, 8 book chapters are published and 10 research scholars have successfully defended their thesis. 4 sponsored projects have been received to the tune 2 crores from SERB, CSIR and DST-MAP. 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.

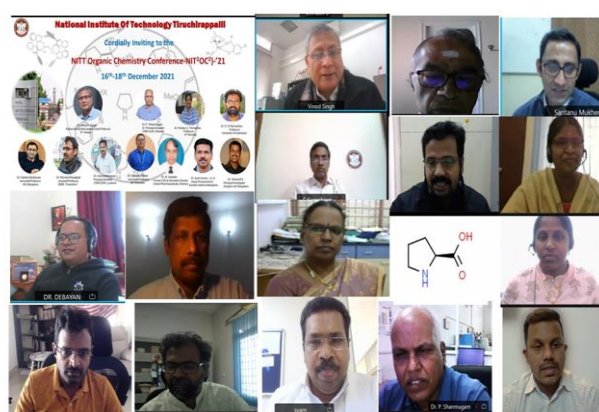
Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
		Books	Book chapters
1.			
2.	No. of books / books chapters published	08	
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National 03	International 01
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National 03	International 02
5.	Guest Lectures	Delivered 25	Organized 03
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
7.	Major Equipment (more than Rs.5.00 lakhs)	Number 04	Amount (in Lakhs) 59.5

HORIZON-22 (24th -25th March 2022)



NITTOCC-2021 (16th -18th December 2021)



7. 4. CIVIL ENGINEERING

Civil Engineering is one of the oldest departments that started along with the inception of the then Regional Engineering College Tiruchirappalli in 1964. The department offers 1 UG & 4 PG regular programmes such as Transportation Engineering and Management, Structural Engineering, Environmental Engineering, and Geotechnical Engineering. The department also offers L&T sponsored M. Tech. programme on Construction Management & Technology under the 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. Three international conferences (IGC 2021, CTRG 2021, SSDUGI 2022) were organized during the academic year 2021-22, which facilitated insight into the latest engineering developments & innovative ideas in research in the various fields of civil engineering. The department association (CEA) has conducted MOMENTS, a technical symposium, and has arranged workshops and guest lectures from reputed industries and organizations. The department has excelled with prestigious awards & fellowships received by the faculty & students. Many faculties received sponsored research projects for over one crore from various agencies such as DST-SERB, CSIR, NRIDA, etc. The consultancy services are rendered by various government agencies such as AAI, Indian Railways & state government organizations. Our Students are able to get an internship in leading Indian Institutes such as IITs, IISc & other prominent industries, & also received prestigious fellowships.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)		
2.	No. of books / books chapters published	Books	Book chapters
			3
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		1	5
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
			40
5.	Guest Lectures	Delivered	Organized
			Guest Lectures
		42	10
			-
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		12	3
7.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		3	22.8



a) Inauguration of International Conference on “CTRG 2021” held on 14.12.2021 at SRM Hotel, Trichy



b) The lighting of lamp at the Inaugural Ceremony of IGC-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 2021 - 22)

Sl.No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)		
2.	No. of books / books chapters published	Books	Book chapters
		21	
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		1	22
5.	Guest Lectures	Delivered	Organized
		21	

(a) Dr. P.J.A.Alphonse, HoD/Computer Applications, National Institute of Technology, Tiruchy, delivered a Guest Lecture entitled "Graph Theory" on 23.10.2021 at K.Ramakrishnan College of Technology, Trichy



(b) Dept of CA conducted 7 days SERB sponsored workshop titled "Applied Machine intelligence technique for Enterprise architecture" from 21.3.22 to 27.3.2022.



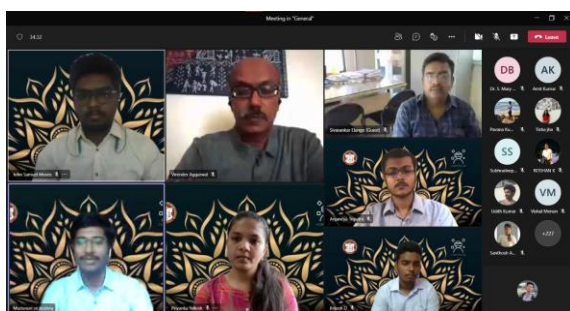
7. 6. COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering, NIT, Tiruchirappalli was started in the year 1983. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programme (M.Tech. in Computer Science and Engineering) and research programmes (M.S. and Ph.D.) in the various fields of Computer Science and Engineering. The department has total faculty strength of 20. The department has proven its excellence in research by publishing 38 papers in reputed journals and conferences that are indexed in prestigious databases like SCI, Scopus, IEEE, etc., for the year 2021 - 2022. Besides publications, the department faculty has also filed patent. 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 2021 – 22)

S. No.	Details	Total Nos.			
		Books		Book chapters	
1.	No. of books / books chapters published	1		20	
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National		International	
		6		-	
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National		International	
		4		51	
4.	Guest Lectures	Delivered		Organized	
		18		4	
5.	Fellowships (Faculty) / Internships (Student)	Faculty		Students	
		1		60	
6.	Major Equipment (more than Rs. 5.00 Lakhs)	Number		Amount (in Lakhs)	
		2		35.65	
7.	Journal Publications (WoS / Scopus / SCI / SCIE / Q1)	38			
8.	Patents	Filed	Published	Granted	
		1	-	-	
9.	Sponsored Projects	Number		Amount (in Lakhs)	
		7		221.17	
10.	Consultancy Projects	Number		Amount (in Lakhs)	
		1		50	
11.	PhD Students	Completed		Thesis Submitted	
		Full-Time	Part-Time	Full-Time	Part-Time
		5	1	1	2

(a) Inaugural Ceremony of Vortex 2022
Date: 25th Feb, 2022



(b) Online Faculty Development Programme (FDP) on "Research Trends in Wireless Sensor Networks" Date: 07th March – 16th March, 2022



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 1crore and several project proposals are in pipeline for approval.

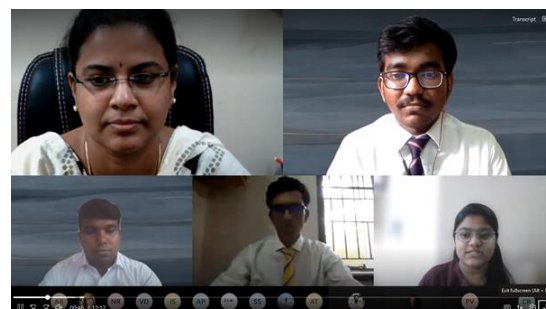
Summary (AY 2021 - 22)

S. No.	Details	Total Nos.		
1.	Articles (SCI / SCIE / Scopus / WoS)			
2.	No. of books / books chapters published	Books	Book chapters	
			8	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		3	191.26	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	2.6	
5.	No. of Patents	Filed	Published	Granted
		1		7
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		15		
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		08	16	
8.	Guest Lectures	Delivered	Organized	
		48		
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
10.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		07	15.79784	
11.	Ph.D. graduation details	Regular	Part Time	
		10	0	

(a) EEE ASSOCIATION INAUGURATION 21-22: Conducted on 28th October 2021 Inaugurated by Chief Guest Prof. Dr. Sanjib Kumar Panda, Associate Professor and Area Director, Power & Energy Research Group, Department of Electrical Engineering, NUS.



(b) CURRENTS'22 VALEDICTION: Conducted on 20th February 2022. Currents'22 is the symposium of EEE Department conducted virtually over a duration of 3 days.



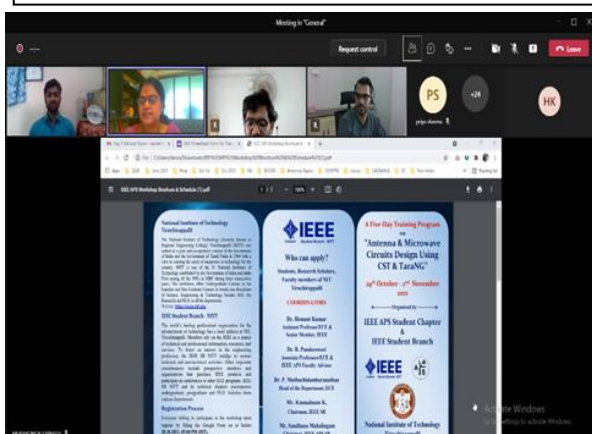
7. 8. ELECTRONICS AND COMMUNICATION ENGINEERING

The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The NBA accredited the UG course in 2017 for 3 years. The PG course Communication systems was accredited by the NBA in 2008 for 3 years and 2016 for 5 years respectively. The PG course VLSI was accredited by the NBA-AICTE in 2008 and for 5 years in 2019 for 6 years. The department has been actively involved in quite a few quality enhancement projects such as UKIERI- Department of Science and Technology (DST), SMDP, Broadcom, USA, Texas Instruments Ltd and MOTOROLA Electronics. In recent years, the department has embarked on R&D projects funded by central agencies such as MHRD, DEiTy, and SERB-Government of India. Recently, the department has two SPARC projects and under this scheme two foreign faculty from Russia and Canada visited NIT and conducted short-term courses for researchers. Some of the lectures delivered by the faculty, our Alumni and experts from industry recorded with very good video quality and this is accessible to anyone.

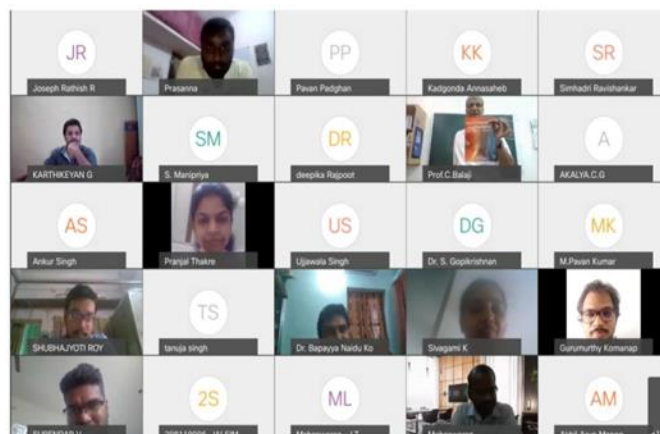
Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
		Books	Book chapters
1.	Articles (WoS / Scopus / Q1 journals)	87 / 123 / 17	
2.	No. of books / books chapters published	1	6
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National 9	International ---
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National 6	International 16
5.	Guest Lectures	Delivered 41	Organized ---
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students 1
7.	Major Equipment (more than Rs.5.00 lakhs)	Number 11	Amount (in Lakhs) 155.64

a) Five-Day Training Program on "Antenna and Microwave Circuits Design Using CST and TaraNg" at ECE, NITT in association with IEEE SB NITT and IEEE APS Chapter NITT, 29th October – 2nd November 2021



b) Invited talk by Prof. C. Balaji, IIT Madras, Joy of Research. Karyashala (High-end workshop) on "Methods and Tools for Effective Dissemination of Research Ideas and Findings", June 14 to June 20, 2021



7.9. ENERGY AND ENVIRONMENT

Department of Energy and Environment (DEE) formerly Centre for Energy and Environmental Science and Technology (CEESAT) was established at National Institute of Technology (NIT) in the year 1995 under the auspices of UK – India RECs Project. CEESAT has been evolved as DEE in the year 2012. The key mission of DEE is generating skillful human resource for superior sustainable and environmentally benign energy to ensuing offspring. The state-of-the-art facilities were equipped with sophisticated analytical equipment and simulation software to render the support for students, scholars, other academic and industrial personnel and other needy researchers. NABL accredited calibration lab and ISO 9001:2008 certified labs are the key strengths of DEE.

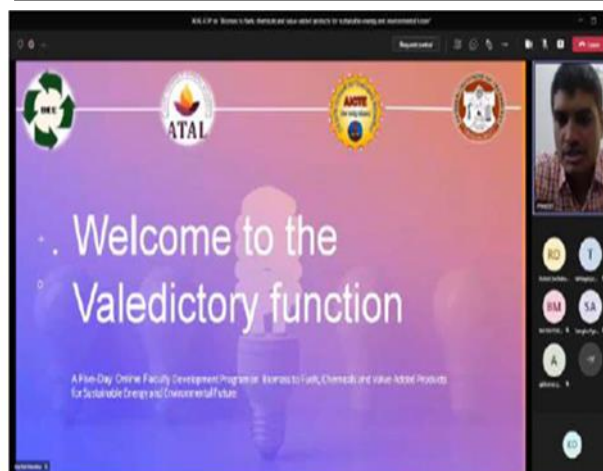
Summary (AY 2020 - 21)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	13 / 15 / 8	
2.	No. of books / books chapters published	Books	Book chapters
			1
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		2	
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
			8
5.	Guest Lectures	Delivered	Organized
		4	2

Inauguration session of ATAL workshop on “Biomass to Fuels, Chemicals and Value-Added Products for Sustainable Energy and Environmental Future”, 20th December 2021



Valedictory session of ATAL workshop on “Biomass to Fuels, Chemicals and Value-Added Products for Sustainable Energy and Environmental Future”, 24th December 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. This top-ranked Department among the NITs is known for independent interdisciplinary research and for a dynamic collaboration between faculty and students. To meet the existing demands of industry, business, public and private organizations, academic and human services, the Department has constantly striven for a practical curriculum with a high degree of professional relevance, enabling students to face real time challenges. Accordingly, the Department has been offering a wide range of core and elective courses to undergraduates and graduates. The Department has been offering a full-fledged Ph.D. program since 2004 and has produced quality research work in newer areas of Humanities and Social Sciences. Recognizing the growing demand for humanities-based courses, the Department also offers Open Elective Courses in Economics and in Language/Literature.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
1.	No. of books / books chapters published	Books / Book chapters	
		19	
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National / International	
		05	
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National / International	
		29	
4.	Guest Lectures	Delivered / Organized	
		51	
5.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty / Students	
		-	
6.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		1	9,40,000 Rs



7. 11. INSTRUMENTATION AND CONTROL ENGINEERING

Department of Instrumentation and Control Engineering was established in the year 1993 and the first batch of students graduated from the department in the year 1997. It offers one Under-Graduate programme (B.Tech.), two Post-Graduate programmes: M.Tech. (Process Control and Instrumentation), M.Tech (Industrial Automation) and also research programmes (M.S. and Ph.D.) in the various fields of Instrumentation and Control Engineering for both regular and part-time scholars. M.Tech. (PCI) is an interdisciplinary programme. The administrative control for this course will be carried out by Dept. of ICE from 2014-16. Faculty from Chemical Engineering Department and Instrumentation and Control Engineering Department will deliver lectures and organize practical classes. Nearly 92 students are admitted each year into the Bachelors Programme through AIEEE (All India Engineering Entrance Examination) of which around 10% of the total number of students are admitted through NRI and DASA quota and nearly 28 students are admitted each year into the Masters Programme with valid GATE Score. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.		
		38		
1.	Articles (SCI / SCIE / Scopus / WoS)	38		
2.	No. of books / books chapters published	Books	Book chapters	
		-	6	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	158.05512 Lakhs	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	50 Lakhs	
5.	No. of Patents	Filed	Published	Granted
		2	1	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		4	-	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		2	18	
8.	Guest Lectures	Delivered	Organized	
		4	2	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		4	3	
10.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		3	22.6065 Lakhs	
11.	Ph.D. graduation details	Regular	Part Time	
		3	3	

Training Program on Smart Sensor Technology for IoT Applications: 28th February 2022 to 03rd March 2022



Instrumentation and Control Engineering Department's own Plantation drive : 28th October, 2021



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.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
1.	Articles (WoS / Scopus / Q1 journals)	21 / 18 / 8	
2.	No. of books / books chapters published	Books -	Book chapters
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International -
		2	
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		1	
5.	Guest Lectures	Delivered	Organized
		5	16
6.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
			1



Training of Trainers organized by Department of Humanities and Social Science, Department of Management Studies, NIT Trichy from 17-19 March 2022, Sponsored by Rajiv Gandhi National Institute of Youth Development, Chennai.

7.13. MATHEMATICS

The Department of Mathematics is one of the pioneering and the most distinguished departments in National Institute of Technology, Trichy. Applying a multi-disciplinary research and teaching methods, the department strongly believes in finding mathematical solutions for various social-economic, technological and work related processes and challenges. With seventeen faculty members representing major areas of mathematics, the department is at the forefront of cutting-edge research as well as teaching and innovation. In addition to a number of world-class publications and reference sources, our faculties interact and collaborate with leading mathematicians around the world and regularly organize international conference/workshops and outreach events.

The department is committed to outstanding graduate training to produce leading scholars in various fields of mathematics. Since its inception, the department molds Ph. D graduates to carry out challenging research problems which have wide ranging industrial and social implications. Students are provided with ample opportunities to improve their research, teach courses, and participate in conferences/seminars. Besides emphasizing quality research, the department also encourages its students' to participate in extracurricular and other related activities in their areas of interest. From 2019, the department offers M. Sc. in Mathematics.

Summary (AY 2021 - 22)

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

Dr.V.Ravichandran –

- Inducted into the Editorial Board of the following journals in this academic year:
 - Editor, The Journal of the Indian Mathematical Society (2021)
 - Editor, Ganita, A Journal devoted to Mathematical Sciences (2021)
 - Editor, International Journal of Mathematics and Mathematical Sciences (2022)

Dr.T.N.Janakiraman

1. Nominated as Honorable Governor's nominee to be a member of Planning Board for Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu for three years from February 2022.
2. Compiled three famous conjectures in graph theory, which are 87 years, 153 years and 163 years old unsolved problems respectively, which will be released soon.

Students Achievements

1. IInd year MSc students Surbhi Sharma is placed in a Federal bank through a campus placement drive.
2. Four 2nd year MSc students qualified for GATE fellowships,
3. One MSc student and two Ph.D. students (under the HTRA category) qualified for the CSIR NET exam.

7. 14. MECHANICAL ENGINEERING

Department functions with 27 faculty members with highly qualified, diversified young faculties under the head of Dr. AR. Veerappan. QS World ranking recognized the Department of Mechanical Engineering, within the top 451- 500 of subject ranking for the fifth consecutive year since 2017. Six patents were granted again during this year and the department consistently maintains the growth in these aspects.

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

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
1.	No. of books / books chapters published	Books	Book chapters
		03	11
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		-	01
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	18
4.	Guest Lectures	Delivered	Organized
		30	03
5.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		01	03
6.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		2	14.06

- **Dr. AR. Veerappan** and **Dr. Arul Mozhi Selvan** carried out Consultancy project with Tiruchirappalli City Corporation worth of 2.36 Lakhs: Third Party Inspection on Technical Specification, Quality, and Performance of Road Sweeping Vehicle to Tiruchirappalli City Corporation.
Supplier: M/s. KAM-AVIDA Enviro Engineers Pvt. Ltd., Pune.
- **Dr.S.P.Sivapirakasam (Principal Investigator)** and Dr. Sreejith Mohan (**Co-Principal Investigator**) carried out a consultancy studies worth Rs. 20 lakhs for ISRO Propulsion Complex (IPRC), Mahendragiri.
- **Dr.S.P.Sivapirakasam** has obtained 2 patents:
 - (a) carica papaya extract based conductivity additive for hydrocarbon fuels and method thereof (patent number: 383295),
 - (b) variable volume mini tank testing equipment and method of an airbag chemical performance test (patent number: 384748)
 - (c) published one patent: A Novel Flux Composition for Stainless-Steel SMAW Electrodes with Mild Steel Core Wire (Application Number 202141005994)
- **Dr. R. Anand** has been granted with four patents the area of “**Biocatalyst and Biofuel**” during the academic year 2021-22.
- **Dr. S. Suresh** has been recognized as the 9th leading researcher in National level mechanical engineering field with 112 publications with 6000+ citations from research.com.

MECHANICAL ENGINEERING ASSOCIATION 2021-22

• CONSULENZÀ 2021

- In times of confusion and chaos, we look up to someone, who has a solution or has made it out alive through the same. In matters pertaining to our career, seniors are undoubtedly resourceful. They battled through the same chaos, and looked up to their seniors and improvised, thereby creating this wonderful link of continuity. To ensure this reaches everyone in need of help, MEA launched "**Consulenzà**", carefully curated content that is sure to clarify and captivate. A total of 3 documents were released under this series on topics **THE INTERNSHIP, MINORS & PROGRAM ELECTIVES, HIGHER**

• SYNC 2.0

- The career opportunities after 4 years of college are numerous. To help students understand different career paths and how to perceive them, we initiated a brand-new guest lecture series - Synergy Networking Consortium (SYNC), with the help of our guest lecture team where we brought in alumni and alumnae who have been successful in different domains to share their perspectives.



• SOIRÉE

- While the pandemic hit the world and confined us to our homes, focusing on grades has become the only option left for the freshers—meanwhile, the doubts and knowing no means to get them answered hit harder. To guide the freshers with all their doubts and bond with their batch mates we are organized Soirée - the eventide event for first years.

• MENTA

- This initiative targeted on mentoring the 2nd years and the incoming freshers. MEA gathered interested 3rd years and 4th years who would like to mentor their juniors and split them accordingly in WhatsApp groups. In the WhatsApp groups created for this purpose, the juniors ask their doubts, and interactive sessions were scheduled regularly. Including This mentorship program helped the freshers to get a good idea of what's happening in the department, and doubts regarding career opportunities.

• MESH WITH MECH

- With constant discoveries happening around the globe MEA with the help of our technical team explained complex technologies in a simplified manner. We had 5 episodes in this series



talking about Autonomous driving, Ford Model T, 3D printed carbon nanomaterials, 2-D metamaterials, Hyperloop in each episode.

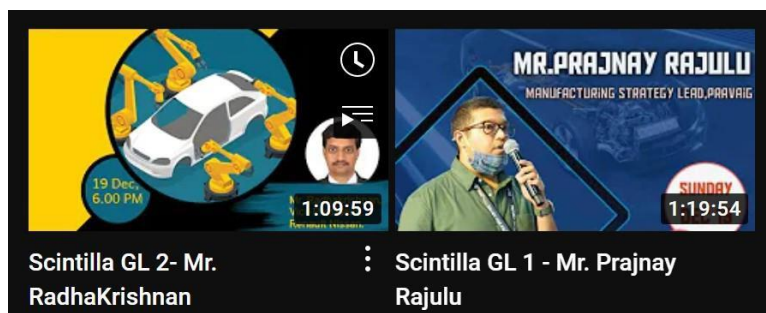
• INTERN TALK

- Sophomores are struck with many doubts about internships since this helps them in the hunt for the domain, they want to perceive their career in. To alleviate the situation, MEA decided to host Intern Talk with a panel of seven speakers covering varied domains like research, company-core and management, and software.



• SCINTILLA

- Scintilla, the Synergy 2022 outreach event presented a wide array of events, a Workshop on Nanotechnology, and a Guest Lecture by Mr. Prajnay Rajulu, Manufacturing factory lead, Pravaig.



• REELS ON EFFECTIVE USAGE OF LINKEDIN

- Demonstrating the use of LinkedIn in obtaining internships, building the network etc.

7.15. METALLURGICAL AND MATERIALS ENGINEERING

The department of Metallurgical and Materials Engineering admitted the first batch of B.E. students in 1967. And Since its inception this department has been one of the premier centers of excellence in the field of Metallurgical and Materials Engineering. It has expanded since then in many ways and now offers three post-graduate programmes with specialization in Welding Engineering, Materials Science & Engineering and Industrial Metallurgy. All the three courses have been attracting candidates with varied engineering backgrounds and also sponsored candidates from engineering industries and academia. Since 2006, the department is admitting candidates for M.S. and Ph.D. programmes with Institute Fellowships. The department faculty are handling projects sponsored by agencies like MHRD, DRDO, AICTE, DST, NRB, M/s Titan and Tata Steel. The department is accredited for 5 years by the National Board of Accreditation. The department is also a recognized center for QIP (Quality Improvement Programme) for both M.Tech. and Ph.D. programmes.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
		Books	Book chapters
1.	No. of books / books chapters published	00	02
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		05	00
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		01	03
4.	Guest Lectures	Delivered	Organized
		09	15
5.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		00	03
6.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		09	127.67



a) Guest Lecture delivered by Prof. Muthukumaran MSME, New Delhi

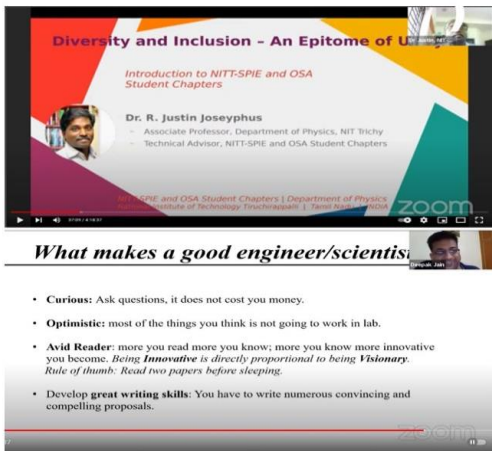
7.16. PHYSICS

The Department of Physics of NITT, located at the east wing of OJAS building, has seventeen faculty members and more than hundred Ph.D. students. We offer M. Sc. (Physics), M. Tech. (Non-Destructive Testing) and Ph. D (Physics) courses. In addition, the department offers several courses that include B.Tech. Engineering Physics programs and elective papers. 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. We have conducted one international conference and three workshops at the department in the past academic year 2021-22. The Department has produced 124 research articles and 11 Ph.Ds in 2021-22.

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.

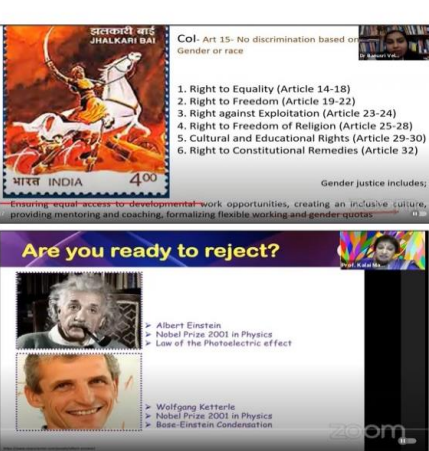
Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
		Books	Book chapters
1.	No. of books / books chapters published	-	3
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		2	2
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		2	53
4.	Guest Lectures	Delivered	Organized
		11	-
5.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	5
6.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		1	6.45



What makes a good engineer/scientist?

- **Curious:** Ask questions, it does not cost you money.
- **Optimistic:** most of the things you think is not going to work in lab.
- **Avid Reader:** more you read more you know; more you know more innovative you become. *Being Innovative is directly proportional to being Visionary.* Rule of thumb: Read two papers before sleeping.
- **Develop great writing skills:** You have to write numerous convincing and compelling proposals.



Are you ready to reject?

Col- Art 15- No discrimination based on Gender or race

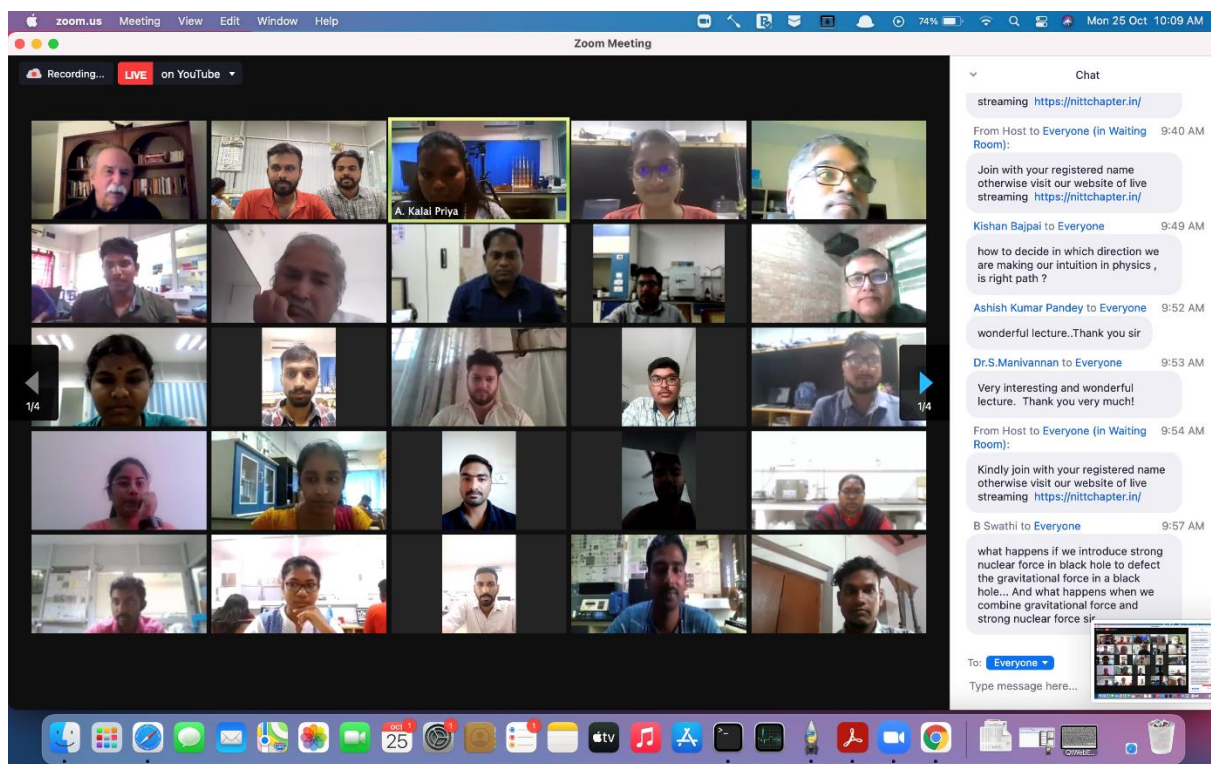
1. Right to Equality (Article 14-18)
2. Right to Freedom (Article 19-22)
3. Right against Exploitation (Article 23-24)
4. Right to Freedom of Religion (Article 25-28)
5. Cultural and Educational Rights (Article 29-30)
6. Right to Constitutional Remedies (Article 32)

Gender justice includes; ensuring equal access to developmental work opportunities, creating an inclusive culture, providing mentoring and coaching, formalizing flexible working and gender quotas.

Diversity and Inclusion-An Epitome of Unity

(a) Diversity and Inclusion-An Epitome of Unity’ (DIEU’21) on June 25th 2021

(b) International Symposium on 'Physics: Fascination to Aspiration, 25-26 October 2021



(c) National Science Day 2022- Outreach program, March 2nd 2022



7.17. PRODUCTION ENGINEERING

The Production Engineering department offers B.Tech. (Production Engineering), M.Tech. (Manufacturing Technology), M.Tech. (Industrial Engineering and Management), M.S. and Ph.D. programmes. The curriculum of Production Engineering encompasses basic and Advanced design, Manufacturing, and Industrial Engineering and Management contents. At present, the department has 22 faculty members (02 - Professors (HAG), 03 - Professors, 10 - Associate Professors, and 07 - Assistant Professors). The expertise of the department faculty with state-of-the-art laboratories covering the areas includes basic Manufacturing Processes, Additive Manufacturing, Robotics, CAD, CAM, CAE, CNC, Mechatronics, Modelling and Simulation, Ergonomics, Tribology, Powder Metallurgy, Composite Materials, Smart Materials and Operations Management, Data Analytics, Industry 4.0, Logistics and Supply Chain Management, Rapid Manufacturing, Advanced Manufacturing Processes, Laser Technology, Agile, Lean and Sustainable Manufacturing. More than 100 Ph.D. degrees were awarded through research guidance by the faculty of Production Engineering.

More than 30 projects funded by various agencies of Govt. of India, and more than 25 consultancy projects funded by leading organizations in India have been carried out.

The student event Prodigy - A National level technical symposium is conducted every year.

The department received the “Best Department Award” in the year 2018. The department is accredited prestigiously by Washington Accord, and National Board of Accreditation (NBA) INDIA.

Summary (AY 2021 - 22)

S. No.	Details	Total Nos.	
		Books	Book chapters
1.	No. of books / books chapters published		13
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		1	
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		2	13
4.	Guest Lectures	Delivered	Organized
		20	
5.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
6.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)
		4	5.38+8.66+9.12+5.25 = 28.41

ABOUT THE INSTITUTE
The National Institute of Technology Tiruchirappalli (formerly known as Regional Engineering College, Tiruch) is situated in the heart of Tamil Nadu on the banks of river Kaveri. Since its inception in 1964, it has established itself as a premier institute imparting quality technical education and engaged in research and development in different fields.

DEPARTMENT OF PRODUCTION ENGINEERING
The Department of Production Engineering is one of the pioneering departments of the institution that offers professional practice of manufacturing technology with management sciences. The department offers B.Tech. (Production Engineering), M.Tech. (Manufacturing Technology), M.Tech. (Industrial Engineering and Management), M.S. and Ph.D. programmes.

ABOUT JMP SOFTWARE
JMP <https://www.jmp.com> is a statistical discovery software (Drug and Drop) and it's a tool of choice for Engineers, Scientists, Researchers and other data explorers across the world. JMP software combines interactive visualization with powerful statistics.

Key capabilities of JMP are:
Data Visualization and Exploratory Data Analysis, Statistics and Predictive Modeling, Multivariate analysis, Quality Engineering, Process and Six Sigma, Tumor Series and Sentiment Analysis, Reliability and Survival, Design of Experiments (DOE) and Business Research Methods.

REGISTRATION
Interested Candidates are requested to fill and submit the following Google form: <https://docs.google.com/forms/d/1FAIpQLSj-umH1Iv114d0vYw8K3oal2yPqg1YD8R1E9g0x04Cg/viewform?usp=surview>

For any clarifications, please contact:
Mr. R. Rajesh Mobile: 099043210541
Mr. Surjeet Singh Bedi Mobile: 099205174000

COORDINATOR
Dr. VASU M
Assistant Professor

No registration fees for the participants.
(Last date of Registration: 26th Jan 2022)

(a)

RNS Institute of Technology, Bengaluru
NBA (TE) Approved, VU, AIIB (A), NAAC 'A' Grade Accredited
UG Programs - CSE, ECE, EE, EEE and IEE have been Accredited by NBA for the Academic years 2019-20, 2019-20 and 2020-21

Department of Mechanical Engineering
Certificate of Appreciation
The Certificate is presented to
Dr. VASU M
For sharing his valuable knowledge as a speaker
During National webinar on
"Mechinability Studies using optimization technique"
on June 09 2021.

Dr. T Sreenivasan
HoD

Dr. M K Venkatesha
Principal

(b)

7.18 TRAINING AND PLACEMENT

Notable T&P related achievements:

During the year under report (2021 -22), the students' placement record continues to be maintained at high percentages considering the pandemic driven global slowdown and lockdown. The entire process for about 226 Organizations has been happening on remote mode with the **students and the recruiting panel on remote, demanding extreme levels of seamless coordination**. The overall percentage of placements as on 31.03.2021 for under graduate programme is **90.0%** and Post Graduate Programme is **85.0%**. The placement process is still in progress. Summary details are given below:

Notable Achievement: (As on 31.03.2022)

No. of Companies participated	No. of Students Placed	Percentage (registered)
226	UG : 613 PG : 612	UG : 90.0 PG : 85.0

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 2021-22)

S. No.	Details	Total Nos.
1.	Journals (International)	3 (Under Department of Energy and Environment) “A waste to energy technology for Enrichment of biomethane generation: A review on operating parameters, types of biodigesters, solar assisted heating systems, socioeconomic benefits and challenges” Chemosphere 293 (2022) 133486 https://doi.org/10.1016/j.chemosphere.2021.133486 “Investigations on energy recovery capability of coconut oil for pre-cooling of apples from cold storage condensate” Chemosphere 281 (2021) 130705 DOI: https://doi.org/10.1016/j.chemosphere.2021.130705 “Performance analysis of 1-Sun and 2-Sun ridge concentrator PV system with various geometrical conditions” International Journal of Energy Research, 2021;1–18. DOI: doi.org/10.1002/er.6706
2	Journals / National	--
3	Conference / International	--
4	Conference / National	Delivered talk on NEP 2020 on National Education Day
5	Sponsored Projects (Boeing)	No's: Amount:
6	Consultancy work	No's: Amount:
7	No. of Ph.D. produced*	1 (Under Department of Energy and Environment)
8	No. of Patents Published	--

9	No. of books / books chapters published	--
10	Fellowships / Internship in Abroad (Students)	--
11	Industrial Lectures	--
12	Guest Lectures	--
13	Technical Symposium	
14	Expert committee	Coopted Member in the MoE/UGC committee to prepare the roadmap for the theme of NETF of NEP

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 and Third-i buildings accommodates the central computing facilities, it has a server room with 60 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).

Major Equipment / Software Purchased (AY 2021-22)

Sl.No.	Name of the Equipment	Amount (Rs. In Lakhs)
1.	<u>Purchase of Blade Server:</u> Dell EMC PowerEdge MX7000 Enclosure Chassis for Blade Server – 1 No Dell EMC PowerEdge MX740c Blade Server – 4 Nos	~ Rs. 21.89
2.	<u>Purchase of Mid-Range Workstations for Graphics Labs:</u> Dell Precision 3440 Small Form Factor Workstations – 30 Nos.	~ Rs. 36.90
3.	<u>Purchase of Laser Projectors and Accessories for Class Rooms at LHC and ORION:</u> 5000 ANSI Lumens Lamp Free Laser Projector (3LCD / DLP) along with USB wireless receiver – 81 Nos [Make & Model: SONY / VPL-PHZ11]	~ Rs. 116.96
4.	Purchase of Networking Passive Components (Fiber & Copper Accessories) for CSG & OTHER DEPARTMENTS	~ Rs. 23.99
5.	Renewal of PTC CREO University Plus Campus Pack Subscription - 3 Year Leased License through OEM (PTC)	~ Rs. 8.72
6.	Renewal of Matlab TAH / Subscription / maintenance of Campus-Wide License of MATLAB and Simulink product family for the	~ Rs. 18.59

	institute	
7.	Renewal of (2nd Year) Subscription - Cisco WebEx Education License (300Users)	~ Rs. 6.96
8.	Microsoft Volume Licensing (known as Microsoft Open Value Subscription Education Solutions) for the entire institute for Microsoft Windows Client OS, Microsoft Office, Microsoft Project, Microsoft Visio, Microsoft Visual Studio Enterprise, Microsoft Windows Server Operating Systems (OS)	~ Rs. 23.75

Summary (AY 2021-22):

- During the pandemic CSG has provided access to most of the frequently used software through onlinelab.nitt.edu for conducting labs online.
- CSG has supported for Online classes, Hybrid Classes and Video Conferences through MS Teams and Cisco WebEx software during this period with limited man power.
- Access to the online e-resources provided through the server (idp.nitt.edu)
- Support provided for UG, PG, MS & PhD Admission Processes against the request for both online and offline mode during this period.
- Since most the meetings / events were conducted through Video Conference mode, large number of VC requests were handled by CSG even without sufficient man power for CSG.
- Independence Day and Republic day events were Live Streamed.
- CSG has supported for various recruitment process through the recruitment portal.

8. 2. CENTRAL LIBRARY



Central Library is the institute's heart to cater the learning resource and knowledge to the bonafide students, research scholars, faculty members, and staff. It has more than two and half lakhs books and other documents consisting of Reference books, Handbooks, Technical books, Reports, Journals, and Standards. The Library holds multimedia resources such as CD-ROMS, Audio Visual Educational Cassettes. It subscribes 118 periodicals (print), 8210+ e-Journals, and 1995 e-books and archived 17690 back volume journals. Book Bank scheme facilitates UG and PG students with 16,750 textbooks. Digital Knowledge Centre has 30 terminals with DVD-RW Drive to browse multimedia and eResources. Wi-Fi facility has enabled for walk-in users. Central Library is almost covered under CCTV camera surveillance. Library Security system of issue-return of books and other documents has been empowered through RFID Technology. Indian Research Information Network System (IRINS) was maintained and updated by the Library, such as faculty publications, etc. Central Library provides the motion of scholarly publications using Grammarly writing support tool and through plagiarism verification (Turnitin and Ouriginal) and advising to find the right journals in the era of Open Access and predatory journals. All the eResources subscribed by the Library are linked in the Library webpage for easy access by the researchers. Besides, Library provides the remote access facility for the students and research scholars resides out of the campus through INFED and MyLOFT.

For research collaboration and finding the research impact, Library has subscribed the SciVal database which helps in visualizing the institute's research output and identifying the scopes for improving the ranking parameters.

On the occasion of Saraswathi Pooja (14-10-2021) NITT Director Prof. Mini Shaji Thomas release the current awareness bulletin in inaugurate Electronic thesis and dissertation library as a n institutional repository in presence of Academic dean Prof.A. Ram Kalyan. Current Awareness Service bulletin is the second issue of the New Arrival of Books has the lifetime collection of Prof.S. Natarajan's 90 books and journal bound volumes, published and edited by Prof Natarajan, donated to the Central Library for future use and reference to the Library users. This collection is available at the Personality Development Section of the Central Library.

A full day workshop was organized on Ranking Research through Scientific and Literature: Modern Tools and Techniques in which Experts from Publishing Industries delivered lectures on current topics. Dr. S. Siva Chidambaram discussed the Dimension database and Assistant Librarian conducted a hands-on session on IRINS Faculty profiles.

Technical Lecture delivered by Librarian

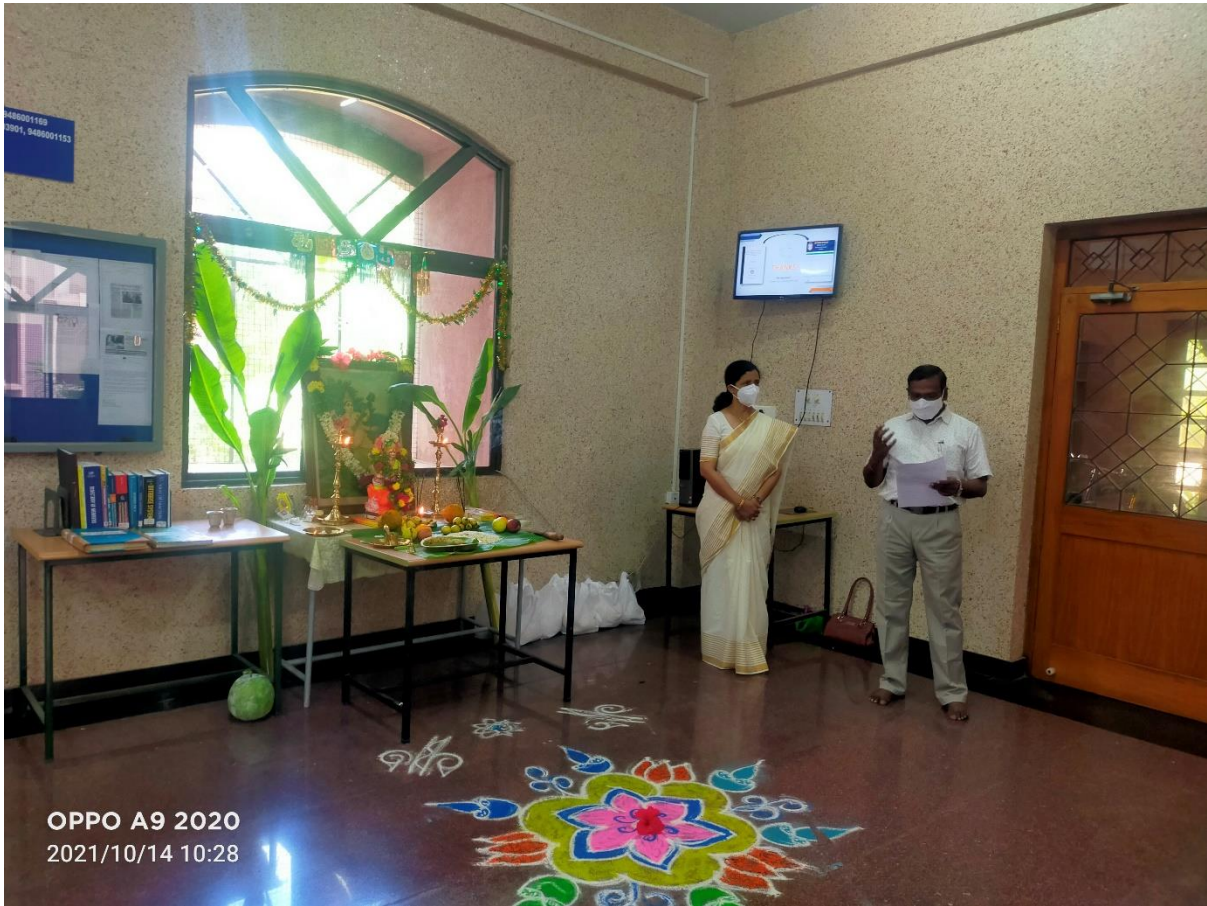
1. Special lecture delivered on "Dimensions: A single point of search across all content types to visualize research and impact". In Course on "Enlightening of LIS- Professionals in Emerging Technology- ELISPET-21" Organized by Dept., Of LIS, Madurai Kamaraj University, Madurai – In Association with Madras Library Association (MALA), Chennai.

2. Technical Lecture delivered “E-Resources for Researchers and Plagiarism” ICSSR Sponsored workshop on Enhancing Competitiveness in Contemporary Research Methods. By Department of Humanities and Social Sciences, National Institute of Technology (NIT), Tiruchirappalli July 10, 2021
3. Delivered an expert talk on “Electronic Resources Management System (ERMs) at Libraries” in “Effective Library Management in Digital Era One Week Teachers Training Program (TTP-2021)” 29th October 2021 Host Institution UNIVERSITY TEACHING DEPARTMENT (UTD), CSVTU, BHILAI, Chhattisgarh.
4. Initiating the Electronic Thesis & Dissertation (ETD) Digital Library, demo lecture presented on the occasion of the Saraswathi Pooja day celebration at NIT Central Library on 14 October 2021.
5. “E-Resources Management: Global Practices” Lecture Delivered on Online mode Refresher Course in Library & Information Science 11.11.2021 Hosted by UGC–Human Resource Development Centre BHARATHIDASAN UNIVERSITY, Tiruchirappalli - 620 023.
6. “JOURNAL INDEXING DATABASES”. Technical Lecture Delivered on Online mode, NIT Research Methodology Course (CC 801) - 16.12.2021

Awards: “International Professional award received on SLA 2021 Annual Conference interactive virtual session on 9th August 2021 the prestigious “Bonnie Hilditch International Librarian Award 2021 – 2021” honored by the prestigious Bonnie Hilditch International Librarian Award, sponsored by the SLA Sci-Tech and Engineering Divisions. Special Library Association, USA.

Publication:

1. **Envisioning the Future of Library in the Post-Coronavirus Era through Web Scale Discovery System: Experience and Expectation, in IcoASL 2021 proceeding Seventh International Conference of Asian Special Libraries,2021, pp130-141, https://icoasl2021.mlive.kr/lib_paper/Proceedings%20of%20ICoASL%202021.pdf**



8. 3. SIEMENS CENTRE OF EXCELLENCE IN MANUFACTURING

About the center:

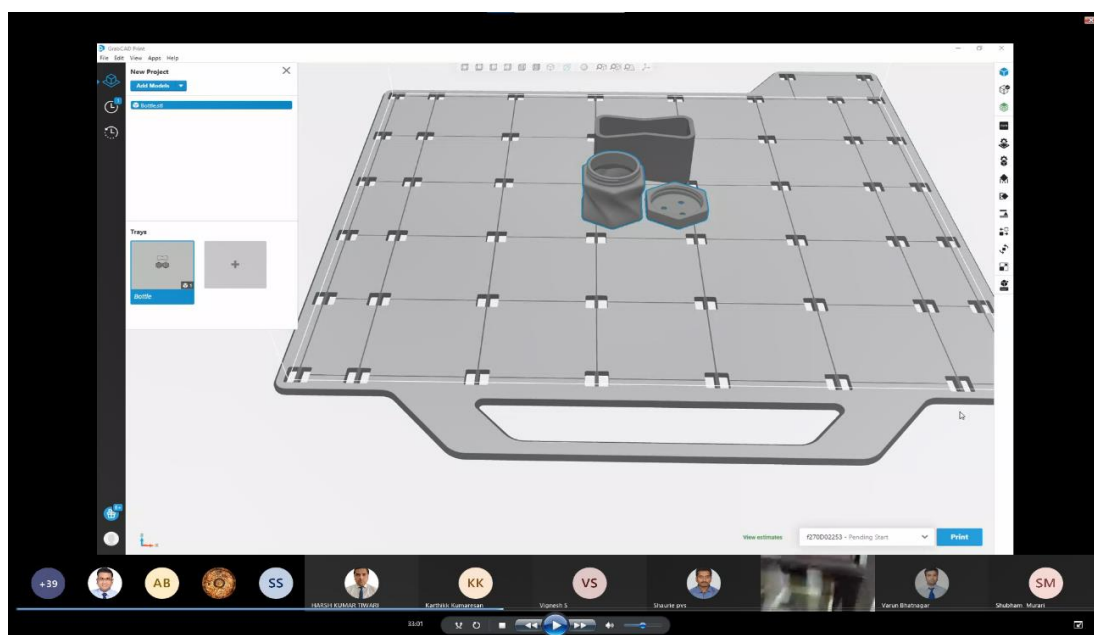
The CoE in Manufacturing, was established in 2018 at National Institute of Technology, Tiruchirappalli, operates with a primary focus of creating a robust technical education eco-system through its experience in industrial products and services.

There are 12 sophisticated Laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things which provides opportunity for promising innovations. This multi-faceted unique centre offers skill development courses, Internships, Research and Development assistance and Industrial consultancy services across various sectors.

As per the contract, AMAR Tech Bangalore was given a contract of 3 years (2018-2021) to run the center before it becomes self-dependent. The same was over on 04th of Oct 2021, after which three newly recruited non-teaching NIT Trichy staff took charge of the center and started managing it.

1. Training and Course lab assistance:

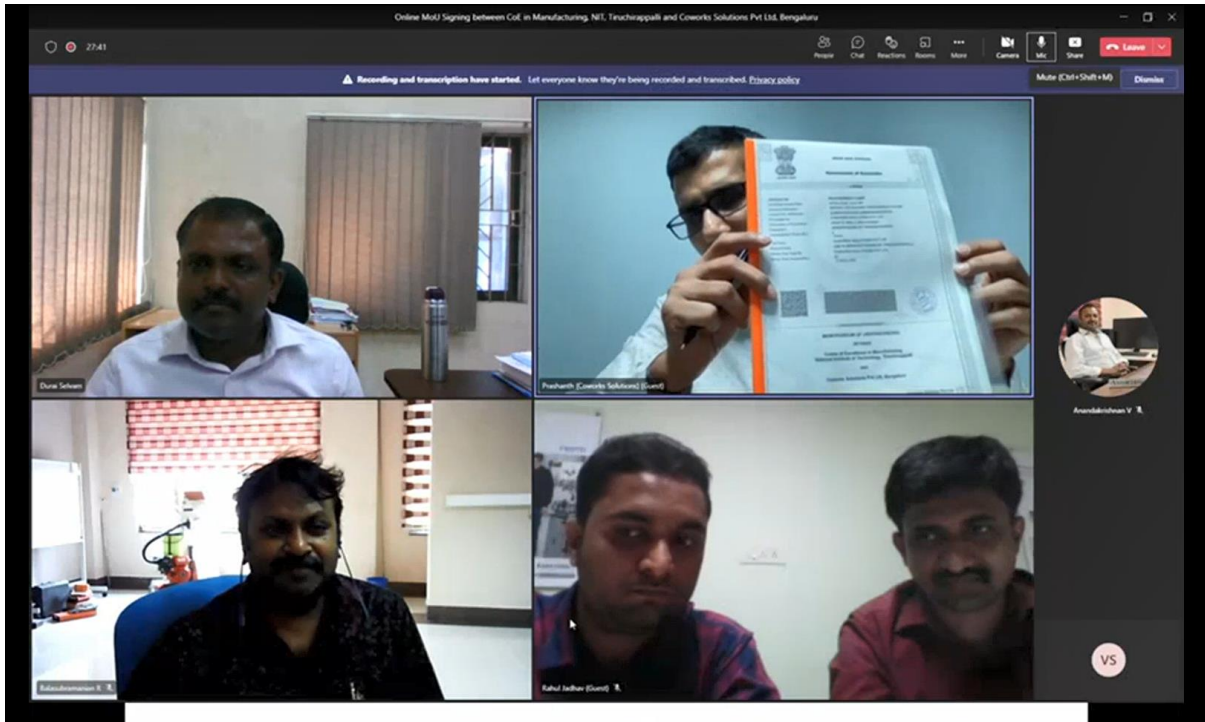
Despite of the ongoing pandemic situation, CoE NITT was able to run its activities smoothly comparatively to CoEs in other NITs. Through online mode, CoE provided 2 full-fledged skill development courses, aided in 3 online seminars, including one of the AICTE FDP seminar, and through them around 150+ students were benefited. As the institute is calling students back in the campus, CoE is also currently opening up for NITT students to carry out their course laboratories in the centre itself through both online and offline modes. Production department (70 students),



Electrical and Electronics department (70 students) and Instrumentation and Control department (18 students) labs are being held in the CoE, as regular course curriculum.

2. Collaboration with local institutes and industries:

As of now, CoE has signed MoU with around 80+ institutes, in and around Tamil Nadu, among which 11 institutes were joined with CoE during the tenure of NITT staff. With support and assistance for developing institutions being its prime intension, CoE has collaborated for carrying

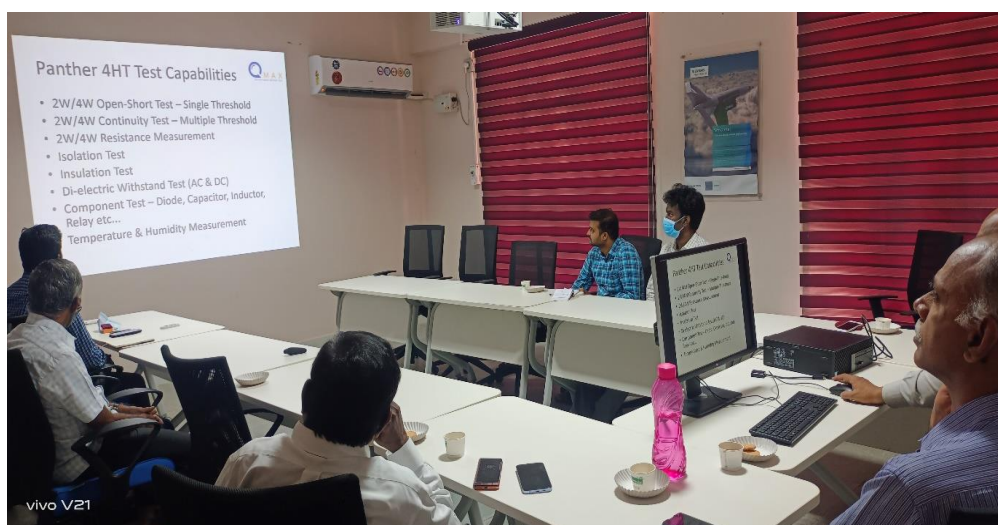


out technical visits, providing skill development courses/seminars and assisting in project/consultancy works for these institutions, so as to ensure the synergetic development in the field of engineering and technology. CoE has also collaborated with newly emerging industries for providing them crucial resources for their growth.

Consultancy projects:

Although the consultancy work was hit by pandemic, CoE is still undergoing different consultancy projects with a financial outlay of Rs.1 Crores (approx.) from organizations such as BHEL Trichy, Delfoi Tanoti Bangalore, Ceeyes Engineering Pvt. Ltd., Simco Industries, DIQU Tech.,

GTRE DRDO, Regent group Kolkata and E square industries Trichy. Recently in September 2021, Centre for Advanced Manufacturing and Automation (CAMA) was inaugurated as a spin-off from CoE. It is becoming a hotspot for many consultancy projects regarding laser processing, laser shock peening and metal additive manufacturing. Expensive manufacturing processes, which requires state-of-the-art infrastructure and sophisticated machinery, are now being carried out in the CoE at very reasonable and affordable prices.



CoE in Manufacturing has generated a revenue of Rs.1.03 Lakhs through consultancy/testing, internship/course and workshop.

8.4. 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.

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 “Applied Intelligence Techniques for Enterprise Architecture” from March 21-27, 2022. The inauguration ceremony started with the welcome note by Dr. Michael Arock, CA, NIT Tiruchirappalli. The inaugural ceremony was concluded with Vote of Thanks by Dr. Balaji Ganesh, CA, NIT Tiruchirappalli. The number of participants attending the workshop across the globe was 20.



AITEA-Mar-2022

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 2021-2022. The details are given below:

- Development of Engine performance monitoring module using machine learning techniques, GTRE Bangalore 15.431L
- Health Monitoring and Fault Diagnosis of Turbo pumps of Liquid Rocket Engines (LREs) using Deep Learning Neural Networks, ISRO, 16.87L
- Tata Centre of Excellence in AI & ML to carry out research on Healthcare, Mobility & Smart Transportation, Smart city & Infrastructure, Education and Precision Agriculture, TCS Foundation, 10 Crore
- Development of Computer Vision System for an AI assistant, ISRO, 6.6L

4. Computing services rendered at CoE-AI

Research scholars from various departments such as CA, CSE, ECE, ICE, PROD, EEE are utilizing the DGX-I server to train their AI models for conducting cutting-edge research in the area of Deep Learning, NLP, Deep Learning for Computer Vision in various domain like Agriculture, Medical, 3D printing, Machine Healthcare, Face Biometrics.

8.5. COUNSELING AND GUIDANCE CELL

The Institute has provisions in place, in the form of an Equity Action Plan, for enhancing the academic performance of students who are having weaker performance compared to their peers. It places an emphasis on student-centred tactics to improve a student's performance by appointing active mentors and counsellors to guide them in their academic endeavours.

NIT Tiruchirappalli has taken the lead initiative in establishing a 'Counselling and Guidance Cell' under the auspices of the office of Dean (Student's Welfare). The cell functions with Dr. Sreejith Mohan, Assistant Professor, Department of Mechanical Engineering and Dr. (Mrs.) Virivinti Nagajyothei, Assistant Professor, Department of Chemical Engineering as the faculty coordinators, and Mrs. B. Josephine Sudhanthra, a professional counsellor. The counsellor will be available on regular basis throughout the working hours at the Central Library building (II Floor) and offer one to one personal counselling sessions to the students, faculty and staff members of the Institute. The Cell also assists students in overcoming learning difficulties, enhancing harmonious relationship, behavioural development and tackling adaptability problems in addition to improving their overall personality, thereby mentoring them in meeting challenges in life.

A referral to the on-campus Psychiatrist is made for anyone who needs medical care.

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, and planning with a focus on optimal psychosocial care.
- ❖ Offering individual counselling, group therapy, family counselling and crisis counselling.

The members of the counselling and guidance cell make themselves approachable for the students, and have been holding a variety of awareness and counselling sessions in order to communicate with the students. The purpose of doing these sessions on a monthly basis is to educate the students about the resources available to them in the event that they experience problems with their mental health.

The counselling cell frequently organizes seminars on mental health, which are typically led by licenced psychiatrists who are invited to participate in the event as guest speakers.

In addition to the above activities, the counselling and guidance cell partners with an online counselling and emotional support platform, YOURDOST. It connects individuals with the right expert from a pool of psychologists, psychotherapists, counsellors, life coaches, and career guidance specialists, while maintaining the confidentiality. The counselling includes:

- Online chats



- Video Sessions
- Audio Sessions
- Awareness Webinars
- Awareness Workshop

There are approximately one thousand counsellors who are available online round the clock, and the service can be utilised by all the individuals who are a part of the NIT-Trichy community and holding a valid enrolment number.

8.6. HOSPITAL



NIT Tiruchirappalli has a hospital within the campus, located for the convenience of the students. It is close to the hostels and quarters of the residents and provides primary health care round the clock on all the days.

NITT Hospital is a 10 bedded hospital with casualty, OP & IP facilities, 24 hours fully equipped ambulance, 24 hours' pharmacy and a clinical laboratory working from 07:00 a.m. to 09:00 p.m.

The ambulance driver is provided with an official mobile phone for direct contact in case of emergency. The mobile number of the ambulance is displayed for notice in every building of the institution (academic, hostel zone, administrative building, common halls, sports Centre, etc.,) to call in case of an emergency.

Any student/resident requiring emergency medical management will be brought by the ambulance to the NITT Hospital. Doctors on duty will examine the patient in the casualty. Patient's general condition and vitals will be monitored and necessary steps will be taken to stabilize the patient. If needed, ECG will be taken immediately and required investigations will be carried out. The doctor will diagnose and manage the case accordingly.

After stabilizing the patient, those requiring secondary and tertiary management will be referred to the nearby hospital at BHEL, Trichy. This is a 200 bedded Hospital run by BHEL, Trichy, a Govt. of India – Public Sector Undertaking, which is close to NITT (5 kms from NITT). Moreover, the students and employees of NITT can avail cashless treatment based on MoU.

Each student is included under the Medical Group Insurance Scheme from the time of enrolment as students of NITT and major hospitals are empanelled. Out of which Apollo Multi Speciality Hospital (12 kms from NITT Hospital) with super speciality doctors, CT, MRI facilities available round the clock is the closest.

Any patient referred from NITT Hospital to BHEL/other empanelled hospital will be followed up on a daily basis by Medical Officers of NITT.

On identification and confirmation of any communicable/notifiable disease within the campus, the Medical Officer of NITT Hospital will immediately report to the Local Authority/Public Health Officer and the Institute Officials for further action.

The Institute Health Committee of NIT Tiruchirappalli comprises of the following members.

1. Chairperson – Hospital
2. Dean – Students Welfare
3. Dean – Institute Development
4. Estate Officer
5. Convener – Hostels
6. Medical Officers
7. Warden – Ladies Hostel
8. President – Students Council
9. Vice President – Students Council

Chairperson, Hospital Advisory Committee

- Dr. J. Hemalatha, Professor, Physics

Medical Officers (permanent)

- Dr.R. Priyanka, M.B.B.S., PGDFM

Medical Officers (on contract)

- Dr.Chandrika, MBBS
- Dr.Margatham, MBBS
- Dr.R. Divya Lakshmi, MBBS
- Dr.A. Meenalakshmi, MBBS
- Dr.Selvavel, MBBS

Visiting Consultants:

- Dr. N. Devasena, (General Medicine)
- Dr. K. Ananth, (Paediatrician)
- Dr. Keerthana Priyadrshini, (Obstetrics and Gynaecologist)
- Dr. G. Samynathan, (Orthopaedician)
- Dr. M. Mohamed Mansoor, (General Surgeon)
- Dr. S. Sujatha, (Ophthalmologist)
- Dr. K. Ronald Roy, (Psychiatrist)
- Dr. M. Ajay, (ENT Specialist)
- Dr. K. Akila, (Dermatologist)
- Dr. Gokul Kannan, (Dentist)
- Dr. Arya.M.C., (Ayurveda)
- Dr. M. Ayyalammai, (Homeopathy)
- Dr. Selvarani, (Physio Therapist)
- Dr. D. Bhuvana, (Physio Therapist)

The committee in coordination with the Public Health Officer will ensure that all precautionary measures are taken to control and prevent the spread of such disease in the campus.

FACILITIES AVAILABLE IN NITT HOSPITAL



8.7 HOSTEL

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 Hostel Manager, Residential Student Councillor (RSC) and Hostel Assistant Manager in all matters related to the hostel. The HAC formulates the necessary rules and guidelines pertaining to Hostels and messes.

There are 22 Boys hostels and 6 Girls hostels

which accommodate 6000 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 Assistant Registrar Hostels, Hostel Manager, 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 Rooms 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 Hostel Manager. 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 9 private caterers provide catering services for all inmates of hostels and 9 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) - 2021-22:

S. No.	Designation	Name of the Warden / Department	E-mail (@nitt.edu)
1.	Chief Warden	Dr. S.Venkatachalapathy, Professor/ Mech	svc
2.	Additional Chief Warden	Dr. B.Senthil Arasu, Professor/DOMS	arasu
3.	Additional Chief Warden	Dr. K.N.Sheeba, Associate Professor/ Chemical	sheeba

4.	Member	Dr. R.Tamil Selvi, Assistant Professor/ Maths	tamil
5.	Hostel Convener	Dr. U.Srinivasulu Reddy, Associate Professor/ CA	usreddy
6.	Registrar	Or his nominee	registrar

Managers (2021-22):

S. No.	Name of the Hostel Managers	Hostels & Mess	Email Id (@nitt.edu)
1	Major S. Palanivelu	Hostel Manager- All Hostels & Messes	palanivelu
2	Mr. R. Sivakumar	Hostel Manager- All Hostels & Messes	rsk

Wardens (2021-22):

S. No.	Name of the Warden	Hostels & Mess	Email Id (@nitt.edu)
1	Dr.R.TamilSelvi, Maths	OPAL B	tamil
2	Dr.V.Lavanya, DoMs	OPAL A,E Ground Floor Mess	lavanya
3	Dr.Baby Viswambharan, Chemistry	OPAL C (East & West) First Floor Mess	babyv
4	Dr.S.Mageshwari, EEE	OPAL D, Opal F/ Beryl	mageshwari
5	Dr.I.Jeyaraman, Maths	Amber A & B Hostel	jeyaraman
6	Dr.V.Karthik, MME	Zircon – C & Mess - B	Karthikv
7	Dr. JitrajSaha, Maths	Garnet C, Agate & Mess A	jitraj
8	Dr.Vamsinadh Thota, Maths	Lapis, Sapphire & Annapura Mess	vamsinadh
9	Dr.R.Periyasamy, ICE	Emerald, Pearl, MM II –North FF	periyasamy
10	Dr.D. Ruben Sudhakar, DEE	Garnet A,B & Kailash Mess	rubensudhakar
11	Dr.V.M Jaganathan, DEE	Jasper, Coral, MM I North – FF	Vmjagan
12	Dr.R. Bala Krishnan, CSE	Aquamarine A,B & Sabari Mess	balakrishnan
13	Dr. M.Sivanesan, Maths	Diamond, Jade & F-Mess	Sivanesan
14	Dr Bishweshwar Babu, Mech	Zircon A,B & MM I South – GF	bishweshwar
15	Dr Ganesh Chandra Nandi, Chemistry	Topaz, Ruby & MM II South GF	nandi

Hostel Assistant Managers (2021-22):

S. No.	Name of the HAM	Hostels & Mess	Email Id (@nitt.edu)
1	Mr. M. Dhavamani	Jade, Diamond	mdhavamani
2	Mr. S . Prakash	Coral, Zircon A & B	sprakash
3	Mr. K . Karthick	Ruby, Amber A& B	kkarthick
4	Mr. S. Muthaian	Emerald, Zircon-C	muthaian

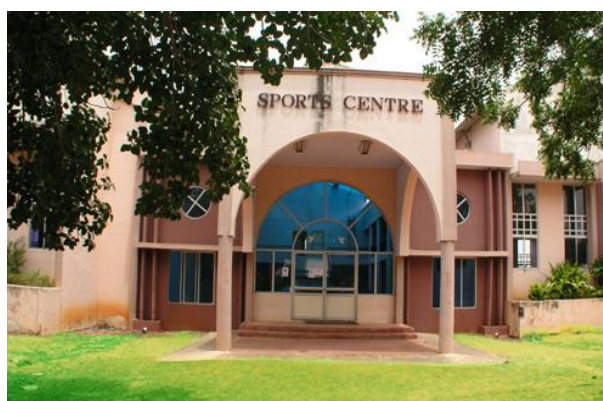
5	Mr. S. Bose Kumar	Topaz, Lapis, Sapphire, Pearl	sbose
6	Mr. T. Maruthan	Jasper	tmaruthan
7	Mr. Vigneshwaran	Aquamarine A & B	vigneshwaran
8	Mr. S. Chandrasekar	Agate, Garnet A, B & C	schandra
9	Ms. R. Mageshwari	Opal A	rmageshwari
10	Ms. Ramya	Opal B	-
11	Ms. Dhanlakshmi	Opal C East	-
12	Ms. Akila	Opal C West	-
13	Ms. C. Brindha	Opal D	cbrindha
14	Ms. Kavikuil	Opal D	-
15	Ms. Karthikayeni	Opal E	-

Hostel Office Staff (2021-22):

S. No.	Name of the Hostel Staff	Hostels	Email Id (@nitt.edu)
1	Ms. T. Vijayalakshmi	Accountant -Hostel Accountant & Mess Related	vijaya
2	Mrs. R. Manjula	Accountant -Establishment Related	manjula
3	Mr. Kalaikovan	Accountant – Fees & Refund Related	kalai
4	Mr. Uma Maheshwari	DEO	juma

8. 8. 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. 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.

1. Pre-Incubation Talk Series- 1 Online Session

CEDI held to pre incubation talk series-1 online session program held on 15th July 2021 we have received 11 responses for google for and 11 applicants can participating in this online session.

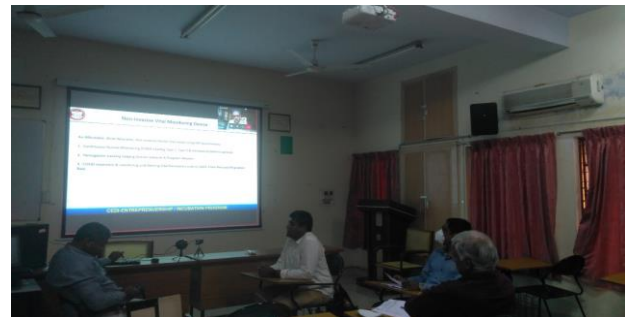
2. CEDI Faculty Associate

call for faculty interest of faculty associate on 25th August 2021 we received 11 applications from NITT faculty's.

3. CEDI Incubatee Selection Program 2021-2022

CEDI incubatee selection program on 1st November 2021 we have received 9 applications

And 6 applicants participate in Level- 1 & Level- 2 selection meeting. And after leve-2 selection result 3 applicants selected for CEDI incubation program and signed in the incubation Agreement.



4. Recommendation to Tamilnadu Industrial Investment Corporation (TIIC)

CEDI recommend to Tamilnadu Industrial Investment Corporation (TIIC) for CEDI incubatees beneficiary at TIIC propel and proto loan scheme.

And two incubatees made to TIIC scheme.

1. Taizo Technologies Pvt.Ltd – Propel loan scheme
2. Pulsative Lifeworks Pvt.Ltd – Proto loan scheme.

5. Tamilnadu State Rural Livelihoods Mission (TNSRLM)

We get project work order from Tamilnadu State Rural Livelihood Mission (TNSRLM) and we are waiting signing of MOU between CEDI – NITT and TNSRLM.

6. MoU Tamilnadu Industrial Investment Corporation (TIIC) Ltd.,

NITT – CEDI signing of MOU between Tamilnadu Industrial Investment Corporation (TIIC) Ltd.,



7. TIIC Industry Growth Conclave Sponsorship and Stall

CEDI – NITT sponsored and represented Industry Growth Conclave Organised by Tamilnadu Industrial Investment Corporation (TIIC) Ltd., with two exhibition stalls at conclave on 18th December 2021.





8. Students Internships to Incubatees

12 student interns have been recruited by the CEDI Incubatee Company's from various departments for the product development and startup activities

9. CEDI Open House Meeting

Open house meeting for NITT students regards incubation schemes and start up ideas and entrepreneurship awareness 23 students participate in this program.



10. Annual Conference at Indian STEP & Business Incubator Association (ISBA)

CEDI NITT participated in the ISBA annual conference at Chennai on 9,10, 11 JAN 2022 organised by Indian STEP & Business Incubator Association (ISBA)

11. CEDI Innovative Ideas and Start-up Incubation Program 2022

call for Innovative Ideas and Start-up Incubation Program under CEDI regular incubation programs. 36 applications responses via google form.

12. Call for Innovation Grant under SIEMENS

Special call for innovation grant for NITT students/Research Scholars and Faculty's under the program SIEMENS software and CSR grant. We have received 19 applications from NITT Students/Research Scholars and Faculty's.

13. Healthy Kid Camp at REC Middle School

Trawello Healthcare Services Pvt.Ltd., is a one of the CEDI incubatee company has organised the Healthy kid camp at REC Middle School 156 Children's benefited on this camp.

The following Tests of Healthy Kid Camp:

1. Height and Weight of children's with BMI Machined designed and developed by Dr.R.Periyasamy and Research Scholar Mr,Ganesh of ICE department
2. Eye vision test
3. Blood pressure and Heart rate
4. Nutrition test



10. STUDENT ACTIVITIES

10.1. FESTEEMBER 2021

The 47th edition of Festember, Festember'21 themed “Greek Mystique”, was an extravagant spread of events spanning several weeks. Festember was held entirely online last year as a consequence of the ongoing pandemic. However, it proved not to be a significant hurdle, but rather, an opportunity for Festember to showcase its merits to a wider audience online.

Festember's ever-growing line-up of guest speakers did not fail to leave its audience fulfilled and enchanted in the year gone by. Under three series of guest lectures - “Carpe Diem”, “Ad Meliora” and “Vox Populi”, the likes of actor Joel Miller, cinematographer of the Brooklyn 99 series Rick Page, actress Manjima Mohan, playback singer Shashaa Tirupati, Olympic silver-winning medallist Ravi Kumar Dahiya, renowned Australian cricket umpire Simon Taufel, Indian fast bowler Chetan Sakariya, cinematographer Nikolaus Summerer and pianist Ludovico Einaudi have all graced the fest with their presence and intriguing insights, leaving behind an indelible experience to inspire their audience - each with their own unique perspectives.

Last year also saw Festember associate with corporate juggernauts, with the likes of TVS Apache and Apollo hospitals being the most prominent names among an array of 46 sponsors. In addition to this, Festember also made strategic collaborations with media powerhouses such as MNX, Radio City, Sony Music, and Romy Now among others to expand its scope and reach. The year also saw Festember conduct its first ever Festember Model United Nations, which was a resounding success with positive reception from both the audience and participants.

Apart from the aforementioned guest lectures, Festember had also hosted a wide variety of crowd-pulling events in the year gone by - 23 events across 11 different clusters, providing a platform for exhibiting one's talents in the realms of language, fashion, dramatics, music, art, photography, dance and gaming. In addition to these, 7 pre-fest events were conducted in addition to the events during Festember, to keep people hooked in the lead-up to the fest.

Festember also had a vast array of cultural performances taking place under its banner, starting with “Shuffle” on 9th July, a one-of-a-kind event featuring three prominent artists performing live, as well as taking part in an interactive session. The likes of Nandini Niloy Chakravarty, Vandita Narayan and Sublahshini were hosted by this event.

This year's edition of Festember's very much acclaimed Pro shows saw Andrea Jeremiah perform on 12th January, enthraling her audience with a medley of songs across multiple Indian languages. This concert was conducted as a part of Popular Night. Next in line was Icon Night on 13th January, featuring a scintillating performance by Nikita Gandhi, outlined by popular stirring numbers that captivated the audience.

Last but not the least, Festember conducted its annual outreach event, the Rolling Reels International Film Festival, including a workshop and panel discussion before the actual fest. The year saw 5 workshops, 3 arcade games, a live interactive session, and an international workshop conducted during Festember, all successful in increasing engagement and reach among the visiting crowd.

All in all, Festember provided yet another year of magic, filling participants and the audience with memorable experiences. The edition was a resounding success, truly living up to its tag of being “a fest to remember”.



Events of Festember'21

10.2. PRAGYAN 2021-22

Pragyan, the international techno-managerial organization 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 organizations to have ever achieved the ISO 20121:2012 Certification for Sustainable Event Management. Pragyan also holds the coveted honor of being the only student-run organization 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.

With “Nexus” as its theme, this edition of Pragyan will be conducted in a hybrid mode - partly offline and partly online. With this edition, we aim to bridge the gap between all the virtual worlds together, create a positive connection to make the best of both worlds 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. Thalappil Pradeep, Dr. Rakesh Agarwal, Dr. Santhosh Radha, Dr. Mark Sundahl, Dr. Vallipe Ramgopal Rao and many more. Exhibition series were another main attraction which gave chance for everyone to catch a glimpse into the latest advancements in modern times, including India's first humanoid robot, Mitra and a ship model building shop.

Infotainment series which were conducted offline after 2 years eased the competing minds through a blinding range of shows like "Light Painting", "Fire Show", and "LED Poi Act" by Kupava, an artist from Kyiv, Ukraine. "Laser show India", India's first 3D laser show crew who captivated the crowd by using laser lights. They showcased "Laser Graphic Show" and "Laser Beam Show". A comedy night by Nishant Suri, winner of Season 1 of Comicstaan whose typical life stories left audience in splits.



Pragyan'22 Inauguration on 17th March 2022

10.3. NITTFEST 2021-2022

NITTFEST 2022 is the 21st edition of the annual inter-departmental cultural festival of NITT. With a hiatus of a couple of years owing to the covid pandemic, this fest was conducted on campus in an offline mode on the 1st, 2nd, and 3rd of April. Although NITTFEST 22' was scheduled to be in April, its events began at the start of the year. The flagship pre-fest event of NITTFEST 2022 was the New Year Fiesta which was also the first offline event conducted on campus after the pandemic. With new managers and coordinators, NITTFEST conducted its first guest lecture with Tamil actor and social media personality - Mr Kishen Das, who wholeheartedly came down to the campus. Mr Das was a pleasant guest to host and a gem of a person to interact with. Despite the Barn Hall being filled to the brim with students, the GL was conducted in a very organized and systematic way, receiving many

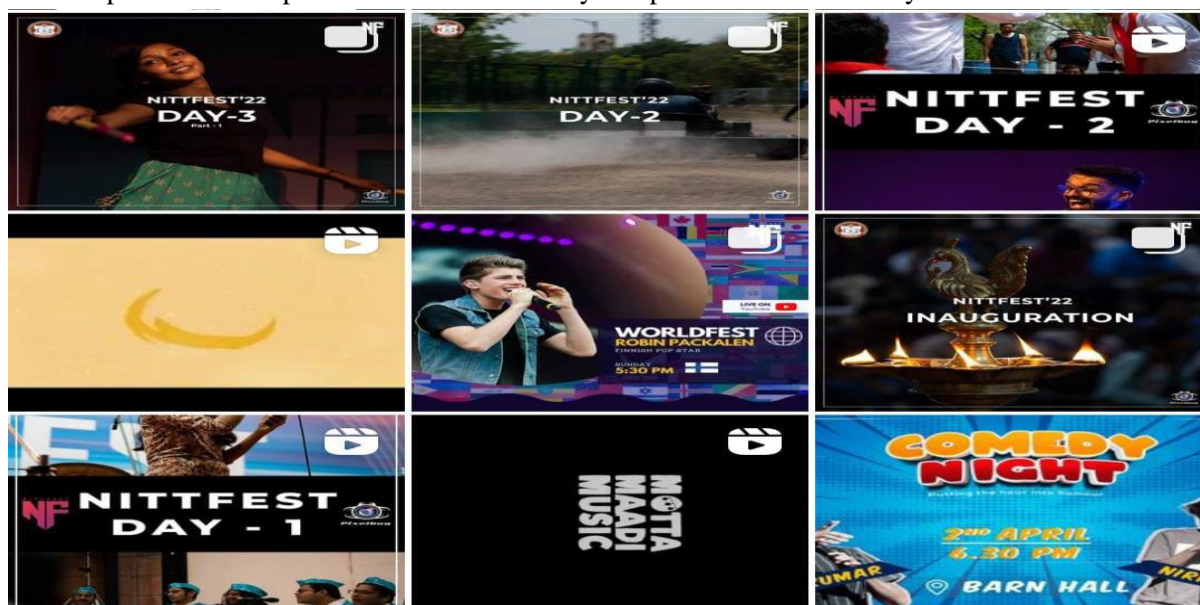
positive reviews from peers. The guest's nostalgic talks about school and college life gained Nittfest's vast support and popularity on social media. Following that, Fully Filmy, a merchandise brand, agreed to partner with us, providing the first-ever branded NITTFEST T-shirts.

Day zero - 31/3/2022 Day zero kick-started NITTFEST with a plethora of events - Lantern Designing, Wealth from Waste, and Manoranjan are just a few to name. Lantern designing and Manoranjan were held at Barn, Wealth from Waste, Pathirikai, Green Screen at Orion, and the prelims for Main Quiz at the EEE auditorium. Several online events were conducted, including Shadow Art, Pointillism, BGMI, Ha Ha Kar, and Shabdjal. Several online events were exclusive for first years, like Vocals Solo, a grand success.

Day one - 1/4/2022: Day one started with the grand inauguration of NITTFEST 22's Memorial at Barn Hall by the Chief Guest, Ms Aathmika, lighting the lamp. All the events hosted on this day were offline and ranged from gaming to Language Lits and Arts to Culturals. The gaming events consisted of Just the Nobody's Game and BGMI. Tamil Lits included Solli Adi and Isaiyodu Vilayadu, and, meanwhile, Hindi Lits had the Shabdjaal finals and Qawwali.

Day two- 2/04/2022: It starts with the Origami Relay, one of the peculiar art events at Orion, followed by Wall Painting and Departmental Wordillism, which were thoroughly enjoyed by the audience and participants. In Parallel, we had the informal going on – Tamil Lits, which had the events replayable events like Gala Gala Galata (at EEE Audi) and Kavicholai (at Orion). English Lits, Hindi Lits, and Telugu Instrumentals and the Greatest Showman event at barn hall were wholesome, and both judges and participants appreciated the ideation and execution of the events team. Nirmal Pillai and Abhishek Kumar stole the hearts of the entire Barn Hall and made all of us laugh our hearts out. Peppa foodies and Idris explorers are two famous YouTubers and Digital Content Creators who were so grateful to shoot the fest and create a vlog.

Day three-03/03/2022: The last day of this furious battle of departments had brought shivers down the spines of literally everyone. The finals of Valorant and Rocket League and BGMI were lit, and the audience was delighted with them. English Lits and Telugu lits finals also took place, and guests were seemingly overwhelmed with the fair participation and gameplay by the contestants. Free-style dance battle and choreonite were undoubtedly the show stealers. The Valediction ceremony was held at the barn, and ECE is the cupbearer this year, followed by the first runner up Mechanical and second runner up Chemical Department. We had the very last pro show of the fest by Motta Maadi Music.



NITTFEST'22 events

10.4. CLUBS AND SOCIETIES

S. No.	CLUB	Club purpose
1	AAYAAM	Hindi Literature Club
2	AIESEC	International Youth Leadership Organization
3	AKSHARA	Telugu Literature Club
4	AMRUTHAVARSHINI	Classical music club
5	APEKSHAA	Non-profit organization to perform social work
6	ATHENÆUM	Model United Nation
7	BALLS BY PICASSO	English Literary Club
8	BUILDERS' HIVE	Providing Construction Solutions
9	DANCE TROUPE	Dance Team of NIT Tiruchirappalli
10	DATA BYTE	Data Science and Business Analytics club
11	DELTA FORCE	Central Technical Team
12	DESIGNERS' CONSORTIUM	Product Designing Club
13	DHRUVA CLUB	Spirituality and Lifestyle 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

10.5. STUDENT CLUBS ACHIEVEMENTS

Prizes won	Name of the CLUB
3rd price in Assitive Technology Makaethon, Shaastra 2021, IIT Madras	Designers' Consortium
3rd prize in Defence and Industrial Sangam, Pragyan, 2022	
First prize in Energy and Environment, Sangam Pragyan 2022	
Got a patent under the Indian patent act to the anti-manipulation combination lock device which was one of the projects did in year 2019.	
Secured sponsorship from SOLIDWORKS and ANSYS that provides access to an array of resources	
Got sponsorship from SolidWorks for SAE Aerothon 2022	THE 3 RD DIMENSION
Tech fest 2021 IIT Bombay- AL VTOLA one among top 10 finalist	THE 3 RD DIMENSION
Tatwa Technical fest of National Institute of technology Calicut - aviate 2022 first place	
Pragyan Sangam -2022- energy and environment second place	
Published project Marko club project as papers in various conferences	RMI
project SRF which is accepted at ICCET 2022 and in process of publishing	
project HIDQ which is accepted at ICCET 2022 and in process of publishing	
Overall runner up in number ninjas, a inter college math competition conducted by HR College of commerce and economics Mumbai	MAXIMUS
Won 4 out of 7 individual events and claim second and 3rd in one event each	
Secured 4th position in Ragam 2022 in NIT Calicut	Dance Troupe
National Finalist. HSBC India Business case competition 2022	180DC
national finalists, Econjecture. IIM Indore economics case competition	
3rd place in Dhruva IIM Trichy case competition	
2 nd place in IMT Ghaziabad case competition	
National finalists, sustainable housing 2030 IIFM Bhopal 2021	
National finalists BVEST 2020, BVCOE	
first place MOGRAPH event IITM SAARANG	GRAPHIQUE
FIRST place poster design, IFP	
6500 plus followers on Instagram of robots	
Second place Photoshop battle IITM SARAANG	
Second place face painting event IITM SARAANG	
Open-source contributor	
1500 plus artworks made in 2021 to 2022	

3rd place a IdEEaVolt 2.2 at IIT Roorkee	RMI
First place in Amrita smart city hackathon an event with cash full of 3 lakhs	
3rd place in idea aviation' 21 by Sri Shivaji memorial society's institute of information technology Pune	
First place at project presentation at Chaitanya Bharathi Institute of Technology, Hyderabad	
First place at Ideathon 2022 organised by Github developers' community IIT Madras	RMI
Conceptual model for improving manoeuvrability ability in borewell rescue devices is a publication of IEEE explorer presented at the 9th international conference on robotics and mechatronics 2021	Designers' Consortium
Upper and lower limb interchangeable exoskeleton robot for post stroke rehabilitation is a publication of IEEE explorer presented at the 9th international conference on robotics and mechatronics 2021	Designers' Consortium
Design of a powered multitrack stair climbing carrier with loading capability into automobiles is a publication of IEEE explorer presented at the 9th international conference on robotics and mechatronics 2021	
Design of a remotely operated vehicle for biofoul cleaning and inspection of variety of underwater structures is a publication of IEEE explorer presented at the 9th international conference on robotics and mechatronics 2021	
Robotic arm for brake performance testing paper has been accepted at second international conference on robotics and artificial intelligence 2021	
National semi-finalists. MICA impetus 2.O. 2021	180DC
IIMC Gray matters national finalists	180DC
Team got selected in the top 20 positions worldwide in the first round in the AC is spring concrete solutions competition March 27 to 31 2022.	BUILDERS' HIVE
LEWI won first place in defence and industry in Sangam 2022 Pragyan	RMI
Aribot won 2nd second place in defence and industry in Sangam 2022 Pragyan	RMI
SSC won first place in healthcare and natural sciences Sangam 2022 Pragyan	RMI
ANVI won 3rd place in healthcare and natural sciences Sangam 2022 Pragyan	RMI
Secured first runners up position in the ultimate manager competition held by Pragyan	SIGMA
Second place in E-Yantra 2021 to 2022 All India robotics competition held by IIT Bombay with over 35 K competing teams, project -diary bike	RMI
16 prices won at event 6.0 by SSN College of engineering Chennai	RMI

10.6. NATIONAL CADET CORPS (NCC)

In 2021-2022, A Flight NCC organized 20 online and 15 offline official parades. Every week, cadets MS teams as a platform for online and for offline cadets in uniform assembled at the NSO ground. The 3rd year Cadets were responsible for the training of primarily 2nd year cadets and through them, the 1st year cadets. The parades involved practical and theory sessions. In the practical sessions, cadets were trained in the execution of the drill sequence

CATC	5 th Jan and 23-24 feb
Breast cancer Awareness program by DR.Rohan Khandenwale	2 nd Nov 2021
Candle light march in the honor of Gen.Bipin Rawat and other 14 soldiers died in helicopter crash	20 th Dec 2021
Blood donation camp	23 April 2022

The NCC cadets have organized the following events in 2021– 22:

10.7. 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.

UNSUNG REVOLUTIONARIES

This Unsung Revolutionaries series is a seven-day short video series showcasing the lesser-known freedom fighters who contributed to India's Independence.

UNSUNG REVOLUTIONARIES - 1

In the video series, first one is about the great Potti Sreeramulu. It attracted many audiences with almost 3700 plays.

UNSUNG REVOLUTIONARIES – 2

Second is about Uyyalawada Narasimha Reddy. It attracted many audiences with almost 700 plays.

UNSUNG REVOLUTIONARIES – 3

Third is about Neera Arya. It attracted many audiences with almost 650 plays.

UNSUNG REVOLUTIONARIES – 4

Fourth is about Thirupur Kumaran. It attracted many audiences with almost 700 plays.

UNSUNG REVOLUTIONARIES – 5

Fifth is about Bipin Chandra Paul. It attracted many audiences with almost 900 plays.

SOCIO-TALKS SEASON 2

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

In this, NSS invited Mr. Vivek Atray to interview who is a former IAS officer, Motivational TEDx Speaker, Author of 'Finding Success Within', Mentor, Advisor, Columnist and Visiting Professor.

Main moto of this talk is to empower voting and to provide some guidelines.

SOCIO TALK - 2

In this, NSS invited Mr. Varun Srivatsava to interview who is senior manager ,NTPC limited, founder of UPAY (under privileged advancement by youth), recipient of young alumni achiever award.

On account of the world day of social justice NSS had Mr varun Srivastava, a social reformer, working on getting education for all children irrespective of their backgrounds.

SOCIO TALK - 3

In this NSS invited Dr. Bindu Menon who is professor and HOD of department of neurology, Apollo hospitals, Founder of Dr Bindu Menon foundation.

As a part of the social talk season 2 NSS in NIT trichy is happy to be had doctor bindu Menon as the keynote speaker for this episode. Dr bindu runs an NGO which provides awareness and support to bridge the gap between commoners and neurological disease within neurology on wheels program the foundation is helping people in urban areas with these disorders

CASE STUDY COMPETION

A case study competition by BLOODCONNECT FOUNDATION in collaboration with NSS NIT Trichy was conducted. Certificates and prizes were given to winners.

It was conducted on the occasion of the Mega Awareness Drive-Baangt-Le-Bandeya.

LET'S BE AWARE

An awareness session by miss Siddharthi Sharma from blood connect foundation.

blood connect and NSS NIT Trichy in collaboration brought an awareness session on occasion of the mega awareness drive Baant le bandeya. NSS in NIT Trichy invited miss Siddharthi Sharma as chief guest to provide session on importance of blood donation and she discussed who can donate blood and who cannot. This session really helped a lot of students to know about various blood donation camps and the importance of blood donation happening around.

CYCLE RALLY

A Cycle rally was done by NSS to bring awareness among students in conserving water in the month of April 2022.

10.8. SPORTS ACHEIVEMENTS

1. Sports Website

Kicking off the semester from home gave our sports contingent Webops team the opportunity to design our website. This helped the juniors gain an insight about sports at nitt and helped us all stay updated with all the sports.

2. Sports Contingent Inductions

As students started coming back to campus, Sports Contingent inductions started at the beginning of March for all the sports and games for the newcomers to the NITT campus. The inductions gave juniors an opportunity to showcase their skills after a long wait of 2 years. More than 400 students are currently part of the sports Contingent of NIT Trichy. They take regular and rigorous training to stay at the top of their game.

3. NITT- Cricket Team

The NITT cricket team has brought many laurels to our institute over the years. This year, they are competing in the 3rd division league conducted by Tiruchirappalli District Cricket Association. In this season so far, the team has played 5 games out of which it has won three, and it aims for promotion to the higher division. Dinakar, a final year student from the chemical engineering department picked up a 6-wicket haul, and he is currently one of the leading wicket-takers of the tournament. He was featured in the Hindu news article in recognition of his achievement. Along with the undergraduates, the PG and PhD students also made vital contributions in the success of the team, which is a testament to the diversity and inclusivity that has been adopted, which is being led by Praneashram, a final year Production engineering student.

4. Sportsfete'22

Pre-fest Following the return of second years, we conducted an interhostel tournament for UG 2nd year hostellers across 2 days, on 5th and 6th of march. This RT 84 tournament was sponsored by RECAL-The Alumni Association of NIT Trichy, more specifically the batch of 1984. It was a great success and brought back the memories, atmosphere and craze of the old days. Boys and girls could compete in teams of 5 in 4 sports. With over 200 participants, the event was a great precedent for Sportsfete'22.

5. SPORTSFETE'22

5.1 Sportsfete'22 Marathon

Day conducted: 22/03/22 The flagship event of Sportsfete, the marathon held on 22nd of march (Tuesday) inaugurated Sportsfete'22 with a whooping participation of 1700 students and nearly 150 organizers.

5.2 Sportsfete'22 Sports and Games

Dates conducted: 24/03/22 - 30/03/22 Wayne Gretzky said, you miss 100 percent of the shots you don't take. Sportsfete'22 was one such display of unending vigor to bring laurels for the department.

With over 1000 participants and a contribution of around 6000 people towards their departments, we saw everlasting bonds being formed and the will to win reaching new heights. Sportsfete'22 is A plethora of 15 sports and games was conducted together for boys and girls for all the departments throughout sportsfete'22 bought.

11. BRINGING BACK STUDENTS TO CAMPUS

NIT-T has taken measured steps in this direction, starting off with permitting Ph.D. scholars inside the campus in the recent months.

A faculty team was in constant touch with the district administration to keep the officials updated on the graded measures being taken by the institution.

The institution has permitted about 50 B.Tech students from across the country for whom online connectivity was a serious issue. Besides them, there were already about 100 students from across the country who chose to stay in the hostel right through the COVID-19 lockdown from March 2020.

Be it Ph.D. scholars or B.Tech students, all have to go through the mandatory quarantine process.

Food was sent to the rooms of students, to rule out overcrowding in the mess, which was stated to be one of the main causes for formation of the COVID cluster at IIT-Madras.

The phased opening at NIT-T, faculty members said, will be ideal to make students adhere to the social distancing norms, enforce wearing of face masks, and other safety parameters

Even in the event of permitting entry of final-year students inside the campus, the NIT-T ensured that not more than 50% of the total students should be present at any point of time, on a rotational basis.

First administration and student council members brought back 2nd and 4th years of academic year 2021-2022 to campus in phased wise. 7 phased entry was scheduled for 2nd year students where necessary precautions and vaccination certificates, covid result reports kept mandatory while permitting inside collage.

Later 3rd year students were also allowed to enter collage in a phased manner with necessary precautions.

Keeping rising of covid cases in mind, council members again sent back students not allowing touch with existing students inside campus.

Later again with the discussions with all administration members and council members and keeping covid cases in mind, students were asked to come and also freshers' entry to collage was scheduled such that final 2nd semester end semester exams to be held offline.

12. CAMPUS DEVELOPMENT INITIATIVES

1.THE 3RD DIMENSION

1.1 College Bus Tracking System, which runs on Android smartphones. This enables students to find out the location of the bus so that they will not get late or will not arrive at the stop

too early. The main purpose of this application is to provide the exact location of the NITT buses and provide information like bus details etc. It is a real time system as the current location of the bus is updated every moment in the form of latitude and longitude, which is received by the students through the application.

2.DESIGNERS' CONSORTIUM

- Elevator sanitation
- Luggage carrier for cycles
- Volleyball court line maker

3.E-CELL

3.1 Startup Internship Programme was a program designed to provide exciting startup internship opportunities to mainly 2nd years from NITT. It was a grand success, with 334 applicants applying and 34 students finally securing their internships!

3.2 Hult Prize is an annual international B-Plan competition which aims to solve problems based on UNDP goals. We conducted 3 startup workshops as part of the preparation for the workshop, but the competition had to be terminated due to issues arising from Hult Prize headquarters.

4.THE FREUDIAN PARADOX

- **Open speaking sessions**, twice in a Month for the students with or without collaboration with 'Hope' to talk about issues troubling them etc.
- **Creating a safe space for LGBTQ+ students**, and hearing their views and increasing awareness and improving campus life by conversing with more Queer groups and bringing inclusivity.
- **Organizing Rainbow Fest**
- **Having Pride Mentors** to address the issues of Queer people in the campus, and making the campus a lot more open to these ideas and making them a lot more accepting.
- **Celebrating Pride Day** by inducing talks, seminars, webinars putting up banners, and decorations accordingly.

5. ProfNITT

5.1 Trading Competitions and free to join workshops

5.2 Educational Instagram Posts

6.TaskForce

6.1 Bank account mela and Loan Mela

6.2 Aadhaar updation and PAN card mela

6.3 Orientation '21 online and offline helpdesk

6.4 Donation drive

SPORTS COUNCIL MEMBERS (2021-22)

S. No.	Name	Designation
1.	Moneesh B	Chairman
2.	Abhishek Shah	Secretary
3.	Jerry J	Associate Secretary
4.	Harjot Singh Bagga	Organizing Head
5.	Sumant Atul Binil	Overall Coordinator
6.	Karthik Sivakumar	Treasurer

APPENDIX -A

AUDIT CERTIFICATE



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/28-73/2022-23/

Date: .10.2022

To

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

Sir,

Sub: **Separate Audit Report on the accounts of National Institute of Technology
Tiruchirappalli for the year 2021-22 – Reg.**

I am to forward herewith the Separate Audit Report on the accounts of National Institute of Technology Tiruchirappalli for the year 2021-22 along with the Statement of Accounts.

The date of presentation of the accounts to Parliament for the years 2020-21 and 2021-22 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,

Self

Deputy Director(CE)

Encl: As above

NIT Director's Office	
Inward Dak No	2026
DOR	08.11.2022
DOD	04.11.2022

To Aralid
Anna
BB
04/11/22

लेखापरीक्षा भवन,
361, अण्णा सालै, तेनामपेट,
चेन्नै - 600 018.

To: Budget

Azadi Ka
Amrit Mahotsav

Phone : 91-044 - 2431 6406, Fax: 91- 044 - 24338924, E.mail : dgacchennai@cag.gov.in

"LEKHA PARIKSHA BHAVAN",
361, ANNA SALAI, TEYNAMPET,
CHENNAI - 600 018.

4/5

No. PDA(C)/CE/II/28-73/2022-23/ 99

Date: 31.10.2022

Copy of the Separate Audit Report of National Institute of Technology Tiruchirappalli for the year 2021-22 is 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 2020-21 and 2021-22. **Approval of the competent authority may be obtained for the Revised Annual Accounts of 2021-22 and the Minutes of the meeting be forwarded at the earliest.**


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 2022.

We have audited the attached Balance sheet of National Institute of Technology, Tiruchirappalli as on 31st March 2022, 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. Grants in aid

Out of the grants-in-aid of ₹178.80 crore received during the year 2021-22 and ₹10.25 crore being unspent balance of the previous year, totalling ₹189.05 crore, the Institute utilised a sum of ₹189.05 crore leaving a NIL balance as unutilized grant as on 31 March 2022.

B. 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 increased by ₹0.58 crore and deficit decreased by ₹0.74 crore.

C. Management Letter

Deficiencies which have not been included in the Separate Audit Report have been brought to the notice of NIT Tiruchirapalli through a Management Letter for remedial/ corrective action.

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

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

a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology Tiruchirapalli as at 31 March 2022; and

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

For and on behalf of the C&AG of India

Place: Chennai
Date: .10.2022


31.10.2022
Principal Director of Audit (Central) Chennai

Annexure

1. Adequacy of Internal Audit System:

Internal Audit was not conducted for the year 2021-22.

2. Adequacy of Internal Control System:

Internal control system was adequate and commensurate with the size and nature of the Institute subject to not conducting the internal audit and improper maintenance of consolidated Fixed Asset register.

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

Physical verification of fixed assets was done for the period 2021-22.

4. System of Physical Verification of Inventory.

Physical verification of inventory was done for the year 2021-22.

5. Regularity in payment of statutory dues:

The Institute was regular in payment of Statutory dues.



Deputy Director (CE)

**APPENDIX~B
ANNUAL ACCOUNTS
FY 2021~2022**

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620015 TAMILNADU



ANNUAL ACCOUNTS

2021~2022

(Revised)

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620 015

ANNUAL STATEMENT OF ACCOUNTS 2021~22

Contents	Page
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Income and Expenditure Account	2
Schedules	3 ~ 34
Notes on Accounts	35 ~ 45
Receipts and Payments Account	46
GPF and NPS	47~52

National Institute of Technology, Tiruchirappalli-620 015
Balance Sheet as at 31-03-2022

	Schedule No.	2021-22	2020-21
Sources of Funds:			
Capital Fund	1	109 91 52 237	641 16 25 976
Designated/Earmarked/Endowment Funds	2	201 94 80 432	192 51 57 242
Secured Loans - HEFA Loan	2 (HEFA)	25 73 60 416	17 28 60 803
Current Liabilities & Provisions @	3	649 33 92 385	89 17 60 231
TOTAL		986 93 85 470	940 14 04 252
Application of Funds			
Fixed Assets			
Tangible Assets	4	409 57 90 968	358 21 17 446
Intangible Assets		4 50 39 824	4 24 18 043
Capital Works-in-progress		74 22 89 670	127 15 86 665
Investments From Earmarked/Endowment Funds			
Long Term	5	12 75 66 791	12 75 66 791
Short Term		172 58 00 376	154 17 17 056
Investments - Others			
Current Assets	6	244 66 91 528	248 03 22 449
Loans, Advances & Deposits	7	68 62 06 312	35 56 75 801
TOTAL		986 93 85 470	940 14 04 252

Note: @ Rs.567.76 Crore - Provision for liability towards Retirement Benefits as per Actuarial Valuation has been created in FY 2021-22 and exhibited in Schedule-3 by debiting the Income & Expenditure Account Schedule-15A. Till FY 2020-21 such provision required was being disclosed under Notes on Accounts only.

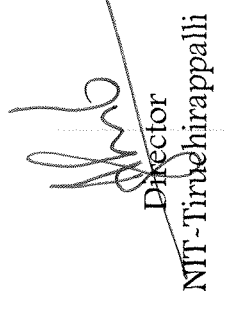
Significant Accounting Policies

Contingent Liabilities and Notes to Accounts

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Registrar (i/c)
NIT-Tiruchirappalli


Director
NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015

Income and Expenditure Account for the Period/Year Ended 31-03-2022

	₹	₹	₹
Particulars	Schedule No.	2021-22	2020-21
INCOME			
Academic Receipts	9	61 10 20 264	64 81 88 053
Grants/Subsidies	10	175 81 53 787	167 29 04 306
Income From Investments	11	6 96 50 006	6 41 44 457
Interest Earned	12	83 21 880	93 79 816
Other Income	13	8 83 39 434	8 04 62 338
Prior Period Income	14	74 00 000	1 50 95 417
TOTAL-(A)		254 28 85 372	249 01 74 387
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)@ (Rs.143,11,87,012+Rs.567,76,26,350)	15	710 88 13 362	130 16 46 362
Academic Expenses	16	40 65 56 792	32 40 48 922
Administrative and General Expenses	17	8 99 45 221	7 78 88 684
Transportation Expenses	18	25 25 180	36 50 196
Repairs & Maintenance	19	8 50 43 630	6 78 45 031
Finance Costs	20	2 02 48 529	1 13 29 871
Depreciation	4	37 42 71 470	34 24 83 891
Other Expenses	21	0	0
Prior Period Expenses	22	3 05 232	0
TOTAL-(B)		808 77 09 415	212 88 92 957
Balance Being Excess of Income over Expenditure (A-B)		- 554 48 24 043	36 12 81 430
Transfer to Building Fund-CPWD Deposit for Capital Exp.		38 42 80 299	1 23 60 000
Transfer to Building Fund-HEFA Loan repayment for Capital Exp.		6 22 85 000	5 16 00 000
Capital Expenditure from IRG - Capitalised		3 45 29 258	53 52 138
Others (Transfer to Corpus Fund 7 80 00 000 + 1 17 00 000)		8 97 00 000	7 20 00 000
Balance Being Surplus/Deficit Carried to Capital Fund		- 611 56 18 600	21 99 69 292

Note: @ Rs.567.76 Crore - Provision for liability towards Retirement Benefits as per Actuarial Valuation has been created in FY 2021-22 and exhibited in Schedule-3 by debiting the Income & Expenditure Account Schedule-15A. Till FY 2020-21 such provision required was being disclosed under Notes on Accounts only.

Significant Accounting Policies

Contingent Liabilities and Notes to Accounts

23

24

N. Sankar

Registrar (i/c)
NIT-Tiruchirappalli

[Signature]
Director
NIT-Tiruchirappalli

**SCHEDULES FORMING PART
OF
BALANCE SHEET**

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

	Particulars	2021-22	2020-21
	Balance as at the Beginning of the Year		
Add:	Contribution towards Capital Fund	641 16 25 976	598 51 75 228
		0	0
Add:	Grant from UGC, Govt of India and State Government to the extent utilized for capital expenditure	13 23 21 308	20 80 22 966
Add:	Assets Purchased out of IRG	3 45 29 258	53 52 138
Add:	Capital Expenditure out of IRG+HEFA Loan repayment from IRG	64 31 87 943	0
Add:	Assets Purchased out of Earmarked Funds	0	0
Add:	Assets Purchased out of Sponsored Projects, Where ownership vests in the institution	0	0
Add:	Assets Donated/Gifts Received	0	0
Add:	Other Additions	0	0
Add:	Transfer from Surplus IRG	0	0
Add:	Excess of Income over expenditure transferred from the income & Expenditure Account	0	21 99 69 292
	Total	722 16 64 485	641 85 19 624
Deduct:	Deficit transferred from the Income & Expenditure Account	- 611 56 18 600	0
Deduct:	Depreciation on Assets Donated/Gifts Received (Siemens COE)	- 68 93 648	- 68 93 648
	Balance at the Year End	109 91 52 237	641 16 25 976


Registrar (i/c)

NIT-Tiruchirappalli


Director

NIT-Tiruchirappalli

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	AIC Fund	Endowment	2021-22		2020-21
A.												
a) Opening Balance	164 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	192 51 57 242	169 11 85 761	
b) Additions during the year	20 15 32 131	44 65 65 299	2 60 633	0	0	0	0	0	0	64 83 58 063	14 31 99 422	
c) Income from investments made of the funds	3 93 36 570	0	6 29 546	27 363	27 363	4 10 452	4 23 511	2 65 397	7 68 414	4 18 88 617	5 29 62 573	
d) Accrued Interest on Investments/Advances	4 58 88 783	0	7 34 408	31 921	31 921	4 78 820	4 94 055	0	0	4 76 59 909	3 77 65 198	
e) Interest on Savings Bank Account	2 44 766	0	3 917	170	170	2 554	2 635	0	0	2 54 213	1 44 937	
f) Other Additions	0	0	0	0	0	0	0	0	0	0	0	
Total - (A)	192 78 60 771	64 31 87 943	2 78 88 955	12 00 877	12 00 877	1 80 13 131	1 85 86 267	66 39 405	1 87 39 818	266 33 18 044	192 52 57 891	
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	4 00 649	2 49 020	6 49 669	1 00 649	
Capital Expenditure out of IRG+HEFA Loan repayment from IRG - Transferred to Capital Fund:												
IRG Capital Expenditure	0	50 35 02 943	0	0	0	0	0	0	0	50 35 02 943	0	
HEFA Loan repaid from IRG	0	13 96 85 000	0	0	0	0	0	0	0	13 96 85 000	0	
Total - (B)	0	64 31 87 943	0	0	0	0	0	4 00 649	2 49 020	64 38 87 612	1 00 649	
Closing balance at the year end (A-B)	192 78 60 771	0	2 78 88 955	12 00 877	12 00 877	1 80 13 131	1 85 86 267	62 38 756	1 84 90 798	201 94 80 432	192 51 57 242	
Represented by												
Cash and Bank Balances	11 78 282	0	0	0	0	0	2 88 236	10 38 756	35 99 501	61 04 775	1 55 46 740	
Investments	176 84 45 125	0	2 71 54 547	11 68 956	11 68 956	1 75 34 311	1 78 03 976	52 00 000	1 48 91 297	185 33 67 167	166 92 83 847	
Interest accrued but not due	4 58 88 783	0	7 34 408	31 921	31 921	4 78 820	4 94 055	0	0	4 76 59 909	3 77 65 198	
TDS Receivable	28 62 149	0	0	0	0	0	0	0	28 62 149	28 62 149	28 62 149	
Receivable from TEQUIP Account	85 417	0	0	0	0	0	0	0	0	85 417	0	
Receivable from R & C Account	1 13 52 130	0	0	0	0	0	0	0	0	1 13 52 130	30 76 664	
Receivable from CASB 2019 Account	9 80 48 885	0	0	0	0	0	0	0	0	9 80 48 885	0	
CPWD WIP/ Deposits (IRG portion)	0	0	0	0	0	0	0	0	0	0	11 92 22 644	
CPWD WIP & Equipment (HEFA Loan repaid portion)	0	0	0	0	0	0	0	0	0	0	7 74 00 000	
Total	192 78 60 771	0	2 78 88 955	12 00 877	12 00 877	1 80 13 131	1 85 86 267	62 38 756	1 84 90 798	201 94 80 432	192 51 57 242	

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

N. Dhand
Registrar (i/c)
NIT-Tiruchirappalli

[Signature]
Director
NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 2 (HEFA) : SECURED LOANS ~ HEFA LOAN

	₹	₹
Particulars	2021-22	2020-21
A. HEFA Loan		
a) Opening Balance	17 28 60 803	5 32 00 000
b) Additions during the year	14 67 84 613	17 12 60 803
Total (A)	31 96 45 416	22 44 60 803
B. Repayment during the Year	6 22 85 000	5 16 00 000
Closing balance at the year end (A-B)	25 73 60 416	17 28 60 803

Note: Against the Sanctioned Loan of Rs.51.60 Crore in Phase-1 and Rs.21.37 Crore in Phase-2, as on date loan availed and balance are shown below:

Year	Phase	HEFA Loan availed for Construction work	HEFA Loan availed for Equipment Purchase	Total HEFA Loan Availed for Construction + Equipment	Repayment of HEFA Loan from IRG	HEFA Loan Balance	HEFA Loan Interest Paid out of Grant-in-Aid
		1	2	3(1+2)	4	5(3-4)	6
2019-20	Phase 1	7 90 00 000	.0	7 90 00 000	2 58 00 000	5 32 00 000	13 60 100
2020-21	Phase 1	5 70 00 000	11 42 60 803	17 12 60 803	5 16 00 000	11 96 60 803	69 25 162
2021-22	Phase 1	2 10 00 000	5 07 84 613	7 17 84 613	5 16 00 000	2 01 84 613	1 46 11 984
Phase 1 Total		15 70 00 000	16 50 45 416	32 20 45 416	12 90 00 000	19 30 45 416	2 28 97 246
2021-22	Phase 2	7 50 00 000	.0	7 50 00 000	1 06 85 000	6 43 15 000	8 84 685
Phase 2 Total		7 50 00 000	.0	7 50 00 000	1 06 85 000	6 43 15 000	8 84 685
Phase 1 & 2 Total		23 20 00 000	16 50 45 416	39 70 45 416	13 96 85 000	25 73 60 416	2 37 81 931

Interest Accrued but not paid as on 31st March 2022 is Rs.38,19,540

9 23 15 000

N. Dhand
Registrar (i/c)

[Signature]
Director

NIT-Tiruchirappalli

NIT-Tiruchirappalli

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

Sl.No.	Name of the Endowment	Opening Balance As on 01-04-2021		Additions during the years		Total		Expenditure on the object during the year	Closing Balance As on 31-03-2022		Total
		Endowment	Accumulated Interest	Endowment	Interest	Endowment	Accumulated Interest		Endowment	Accumulated Interest	
1	2	3	4	5	6	7 (3+5)	8 (4+6)	9	10	11	12 (10+11)
1	Dr. Sargurudas Memorial Fund	500	35	0	31	500	66	33	500	33	533
2	Kharche Associated Fund	10 000	698	0	623	10 000	1 320	656	10 000	664	10 664
3	Chetterjee Memorial Fund	10 000	698	0	623	10 000	1 320	0	10 000	1 320	11 320
4	Reunion Fund	44 065	25 586	0	2 745	44 065	28 331	0	44 065	28 331	72 396
5	Rajalaxmi Trust Fund	3 000	209	0	187	3 000	396	197	3 000	199	3 199
6	Balakumaran Memorial Fund	10 000	698	0	623	10 000	1 321	656	10 000	665	10 665
7	Janardhan Iyengar & Seethamma Fund	20 000	1 395	0	1 246	20 000	2 641	1 310	20 000	1 331	21 331
8	Prof. S. Muthukaruppan Fund	10 000	698	0	623	10 000	1 321	656	10 000	665	10 665
9	Prof. S.H.Ibrahim Endowment Fund	25 000	1 744	0	1 557	25 000	3 301	1 639	25 000	1 662	26 662
10	Prof.M.Sitarman Endowment Fund	25 000	1 744	0	1 557	25 000	3 301	1 639	25 000	1 662	26 662
11	Prof.Thirumalai Arasan Mem Fund	25 000	1 744	0	1 557	25 000	3 301	1 639	25 000	1 662	26 662
12	Dr. M. Shanmugam Fund	1 25 000	8 719	0	7 786	1 25 000	16 505	8 194	1 25 000	8 311	1 33 311
13	Dr. M. Shanmugam Fund	2 00 000	1 395	0	12 458	2 00 000	26 409	13 110	2 00 000	13 299	2 13 299
14	Dr. M. Shanmugam Fund	75 000	4 734	0	3 912	75 000	8 646	4 916	75 000	3 730	78 730
15	Avinash Memorial Endowment Fund	2 00 000	1 395	0	12 458	2 00 000	26 409	13 110	2 00 000	13 299	2 13 299
16	Neela Balasubramanian Memorial Award (Dr.B.Sekar)	1 25 000	8 719	0	7 787	1 25 000	16 506	8 194	1 25 000	8 312	1 33 312
17	Karthik Memorial Fund(Dr.G.Swaminathan)	50 000	3 488	0	3 115	50 000	6 603	3 278	50 000	3 325	53 325
18	Vijayalakshmi Kannan Memorial Fund	15 000	1 046	0	934	15 000	1 980	983	15 000	997	15 997
19	Dr.Duraisamy Memorial Fund (Dr.TSRajan)	50 000	3 156	0	2 608	50 000	5 764	3 278	50 000	2 486	52 486
20	RECAL NITT Fund (Ramesh Swaminathan Memorial Fund)	68 823	32 601	0	4 287	68 823	36 888	0	68 823	36 888	1 05 711
21	Ruby & Topaz 84 Batch Endowment Fund	9 52 909	3 60 003	0	59 358	9 52 909	4 19 361	0	9 52 909	4 19 361	13 72 270
22	Subash Chandrabose Memorial Award	75 000	4 734	0	3 912	75 000	8 646	5 136	75 000	3 510	78 510
23	Dr.P.S.Manisundaram Endowment Fund	50 000	3 156	0	2 608	50 000	5 764	3 278	50 000	2 486	52 486
24	Dr.P.S.Manisundaram Endowment Fund	25 000	1 744	0	1 557	25 000	3 301	1 639	25 000	1 662	26 662
25	Oisik Adak Memorial Award (Pragyan)	40 000	2 790	0	2 492	40 000	5 282	2 622	40 000	2 660	42 660
26	Oisik Adak Memorial Award (Pragyan)	50 001	3 488	0	3 115	50 001	6 603	3 278	50 001	3 325	53 326
27	Oisik Adak Memorial Award (Pragyan)	2 00 000	1 2623	0	10 432	2 00 000	23 055	13 110	2 00 000	9 945	2 09 945
28	Dr.J.Reja Memorial Fund	50 000	3 156	0	2 608	50 000	5 764	3 278	50 000	2 486	52 486
29	Prof.Joseph.Martin Fernando Trophy	50 000	3 156	0	2 608	50 000	5 764	3 278	50 000	2 486	52 486
30	S.J. Chairnulu Medal of Excellence	4 00 000	2 790	0	2 491	4 00 000	52 818	22 579	4 00 000	30 239	4 30 239
31	S.J. Chairnulu Medal of Excellence	1 00 000	6 975	0	6 229	1 00 000	13 204	6 555	1 00 000	6 649	1 06 649
32	Prof. K.S. Pandey	1 17 000	8 161	0	7 288	1 17 000	15 449	7 669	1 17 000	7 780	1 24 780
33	M/s. Chennai Metro P. Ltd., Chennai	2 00 000	1 395	0	12 458	2 00 000	26 409	13 110	2 00 000	13 299	2 13 299
34	Anjali Ammal	15 00 000	0	0	58 268	15 00 000	58 268	0	15 00 000	58 268	15 58 268
35	Anjali Ammal (for Distribution)	1 00 000	0	0	0	1 00 000	0	1 00 000	0	0	0
	Sub Total	50 01 298	5 77 450	.0	2 64 567	50 01 298	8 42 017	2 49 020	49 01 298	6 92 997	55 94 295
36	80 BATCH CHAIR FUND	1 00 00 000	23 92 656	0	5 03 847	1 00 00 000	28 96 503	0	1 00 00 000	28 96 503	1 28 96 503
	TOTAL	1 50 01 298	29 70 106	.0	7 68 414	1 50 01 298	37 38 520	24 9020	1 49 01 298	35 89 500	1 84 90 798


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

	₹	₹
Particulars	2021-22	2020-21
A. Current Liabilities		
1. Deposits from Staff	0	0
2. Deposits from Students	10 43 64 719	8 90 02 540
3. Sundry Creditors		
a) For Goods & Services	4 76 50 295	1 09 95 720
b) Others	8 14 28 008	4 95 60 321
4. Deposit-Others(including EMD, Security Deposit)	5 17 33 620	5 29 70 565
5. Statutory Liabilities (GPF, TDS, WC Tax, CPF, GIS, NFS):		
a) Overdue	0	0
b) Others	9 25 220	7 48 077
6. Other Current Liabilities		
a) Salaries	11 68 93 257	10 65 02 783
b) Receipts against Sponsored Projects	34 02 67 939	29 06 54 226
c) Receipts against Sponsored Fellowships & Scholarships	1 77 05 679	1 83 73 985
d) Unutilised Grants	0	10 25 18 124
e) Grants in Advance	0	0
f) Other Funds (a) TEQIP Funds	0	83 149
(b) CSAB 2019 Funds	0	10 43 91 714
g) Other Liabilities	5 09 77 758	6 21 95 231
Total (A)	81 19 46 495	88 79 96 435
B. Provisions		
1. For Taxation	0	0
2. Gratuity	35 32 09 795	0
3. Superannuation / Pension	467 03 13 242	0
4. Accumulated Leave Encashment	65 41 03 313	0
6. Trade Warranties/Claims	0	0
7. Others - HEFA Loan Interest accrued	38 19 540	37 63 796
Total (B)	568 14 45 890	37 63 796
Total (A+B)	649 33 92 385	89 17 60 231

Note: @ Rs.567.76 Crores - Provision for liability towards Retirement Benefits as per Actuarial Valuation has been created in FY 2021-22 and exhibited in Schedule-3 by debiting the Income & Expenditure Account Schedule-15A. Till FY 2020-21 such provision required was being disclosed under Notes on Accounts only.


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SCHEDULE 3 (a): SPONSORED PROJECTS

Sl.No.	Name of the Project	Opening Balance As on 01-04-2021		Receipts/ Recoveries during the year	Total	Expenditure during the year	Closing Balance As on 31-03-2022		
		Credit	Debit				Credit	Debit	
									3
1	2								
1	DST, New Delhi	4 58 44 030	0	2 59 52 097	7 17 96 127	2 80 84 430	4 37 11 697	0	
2	CSIR, New Delhi	35 70 766	0	24 10 209	59 80 975	6 50 000	53 30 975	0	
3	UGC/AICTE, New Delhi	23 50 921	0	59 736	24 10 657	1 20 283	22 90 374	0	
4a	DRDO & Defence Research Laboratories	2 16 46 604	0	1 49 73 965	3 66 20 569	1 24 54 457	2 41 66 112	0	
4b	ISRO-STIC	16 71 706	0	66 03 819	82 75 525	15 62 828	67 12 697	0	
5	MHRD & MHRD (SCSP/TSP/PWD)	50 13 262	0	1 27 384	51 40 646	0	51 40 646	0	
6	MHRD-GIAN	4 59 620	0	11 678	4 71 298	0	4 71 298	0	
7	SERB, New Delhi	2 08 13 060	0	3 69 24 657	5 77 37 717	1 86 26 023	3 91 11 694	0	
8	SPARC	1 54 85 637	0	3 93 480	1 58 79 117	23 36 729	1 35 42 388	0	
9	a) TAT/MODROB/MHRD Projects (in Institute Books)	57 65 761	0	46 28 460	57 65 761	57 65 761	46 28 460	0	
10	b) TAT/MODROB Projects (in R&C Books)	0	0	0	0	0	0	0	
	a) SIEMENS COE	0	0	0	0	0	0	0	
	b) SIEMENS COE - Service	0	0	0	0	0	0	0	
11	Miscellaneous Projects	4 71 21 889	0	94 05 239	5 65 27 128	73 10 474	4 92 16 654	0	
12	HACKATHON	64 208	0	1 631	65 839	0	65 839	0	
13	L & T - CTM Funds	2 97 31 823	0	1 07 09 581	4 04 41 404	69 99 583	3 34 41 821	0	
14	Conference Consultancy Fund	40 96 288	0	14 93 902	55 90 190	7 61 950	48 28 240	0	
15	Research Management Fund	81 32 443	0	9 98 634	91 31 077	5 89 575	85 41 502	0	
16	ECC Fund	4 57 99 049	0	5 56 04 208	10 14 03 257	6 23 96 823	3 90 06 434	0	
17	ICSR Fund	51 33 361	0	7 14 113	58 47 474	0	58 47 474	0	
18	Project & Consultancy Fund (in Institute Books)	1 16 75 300	0	0	1 16 75 300	0	1 16 75 300	0	
19	MEITY	62 22 259	0	20 77 671	82 99 930	17 40 802	65 59 128	0	
20	Funds Due in R&C/Projects Account (S Debtors)	0	66 52 149	29 78 197	36 73 952	87 887	0	37 61 839	
21	Accumulated income over the period in Consultancy earnings	1 00 56 239	0	2 59 22 967	3 59 79 206	0	3 59 79 206	0	
	TOTAL	29 06 54 226	66 52 149	20 19 91 628	49 33 41 609	14 94 87 605	34 02 67 939	37 61 839	
22	TEQIP Project	83 149	0	2 268	85 417	85 417	0	0	
23	MOOCs Projects – Grant RECEIPT & LAPSED	0	0	3 00 00 000	3 00 00 000	3 00 00 000	0	0	
	TOTAL	29 07 37 375	66 52 149	23 19 93 896	52 34 27 026	17 95 73 022	34 02 67 939	37 61 839	

Note: TEQIP unspent interest balance amount of Rs.85417 as on 31.03.2022 is accounted in Corpus a/c as receivable from TEQIP a/c


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SCHEDULE 3 (b): SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

Sl. No.	Name of Sponsor	Opening Balance As on 01-04-2021		Transactions During the year		Closing Balance As On 31-03-2022	
		CR	DR	CR	DR	CR	DR
		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 22 18 956	0	78 89 959	76 82 180	1 24 26 735	0
	b) State scholarships	41 36 080	0	4 74 218	6 26 613	39 83 685	0
	b) i) PMRF	14 11 613	0	1 52 47 773	1 66 59 386	0	0
	b) i) PMRF-RECEIPT & LAPSED	0	0	72 96 421	72 96 421	0	0
	c) QIP Fellowships	6 07 336	0	6 87 923	0	12 95 259	0
	TOTAL	1 83 73 985	0	3 15 96 294	3 22 64 600	1 77 05 679	0


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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	2021-22	2020-21
A. Capital Grants : Government of India, MoE		
Balance B/F	10 25 18 124	6 15 20 090
Add : Receipts during the year	2 98 03 184	24 90 21 000
Total (a)	13 23 21 308	31 05 41 090
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	13 23 21 308	20 80 22 966
Total (b)	13 23 21 308	20 80 22 966
Unutilized carried forward (a-b)		10 25 18 124
B. UGC Grants : Plan		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (c)	0	0
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (d)	0	0
Unutilized carried forward (c-d)		0
C. Govt. of India, MoE Grants: Revenue		
Balance B/F	0	21 45 49 144
Add : Receipts during the year (Grant)	175 81 53 787	145 83 55 162
Total (e)	175 81 53 787	167 29 04 306
Less : Surplus IRG of earlier years transfer to Capital Fund, if any		
Less : Utilized for Revenue Expenditure	175 81 53 787	167 29 04 306
Less : Utilized for Capital Expenditure	0	0
Total (f)	175 81 53 787	167 29 04 306
Unutilized carried forward (e-f)		0
D. Plan Grants : Government of India		
Balance B/F	0	0
Add : Receipts during the year	0	0
Total (g)	0	0
Less Refunds		
Less : Utilized for Revenue Expenditure	0	0
Less : Utilized for Capital Expenditure	0	0
Total (h)	0	0
Unutilized carried forward (g-h)		0
* GRAND TOTAL (A+B+C+D)	0	10 25 18 124

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

Particulars	₹	2021-22	2020-21
A. Capital Grants : Government of India, MoE (OH-35):			
Balance B/F		10 25 18 124	6 15 20 090
Add : Receipts during the year		2 98 03 184	24 90 21 000
Total (a)		13 23 21 308	31 05 41 090
Less Refunds			
Less : Utilized for Revenue Expenditure		0	0
Less : Utilized for Capital Expenditure		13 23 21 308	20 80 22 966
Total (b)		13 23 21 308	20 80 22 966
Unutilized carried forward (a-b) (OH-35)		0	10 25 18 124
B. Govt. of India, MoE Grants : Revenue (OH-36):			
Balance B/F		0	21 45 49 144
Add : Receipts during the year (Grant)		98 89 84 394	66 68 30 000
Total (c)		98 89 84 394	88 13 79 144
Less : Utilized for Revenue Expenditure		100 55 95 375	94 25 93 665
Less : Utilized for Capital Expenditure		0	0
Total (d)		100 55 95 375	94 25 93 665
Unutilized carried forward (c-d) (OH 36)		-1 66 10 981	-6 12 14 521
Deficit balance adjusted in IRG		1 66 10 981	6 12 14 521
Unutilized carried forward (OH-36)		0	0
C. Govt. of India, MoE Grants: Revenue (OH-31):			
Balance B/F		0	0
Add : Receipts during the year (Grant)		76 91 69 393	79 15 25 162
Total (e)		76 91 69 393	79 15 25 162
Less : Surplus IRG transfer to Capital Fund, if any		0	0
Less : Utilized for Revenue Expenditure		103 02 16 220	83 16 35 685
Less : Utilized for Capital Expenditure		0	0
Total (f)		103 02 16 220	83 16 35 685
Unutilized carried forward (e-f) (OH 31)		-26 10 46 827	-4 01 10 523
Deficit balance adjusted in IRG		26 10 46 827	4 01 10 523
Unutilized carried forward		0	0
Total of Unutilized Grant (OH 35,36 & 31)		0	10 25 18 124
Total of Deficit balance adjusted in IRG (OH 36 & 31)		27 76 57 808	10 13 25 044
D. IRG Account:			
IRG Receipts during the year			
Less : IRG Utilization during the year:		78 47 31 585	81 72 70 081
Deficit balance under OH-31 an OH-36 adjusted in IRG		27 76 57 808	10 13 25 044
Utilized for Capital Expenditure-CPWD		38 42 80 299	1 23 60 000
Utilized for Capital Expenditure HEFA Loan Repayment		6 22 85 000	5 16 00 000
Utilized for Capital Expenditure(Asset Purchase)		3 45 29 258	53 52 138
Transfer to Corpus Fund		8 97 00 000	7 20 00 000
Total IRG Utilization during the year		84 84 52 365	24 26 37 182
Surplus IRG (Excluding Depreciation)		-6 37 20 780	57 46 32 899
Depreciation for the year		37 42 71 470	34 24 83 891

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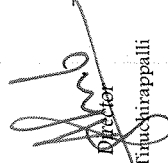
National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 4: FIXED ASSETS


Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2021-22				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31-03-2022	Dep Opening Balance	Depreciation for the year	Deductions/Adjustment	Total Depreciation	31-03-2022	31-03-2021
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	263 38 53 444	64 67 97 524	0	328 06 50 968	46 72 26 575	14 78 06 343	0	61 50 32 918	266 56 18 050	216 66 26 869
4	Roads & Bridges	4 66 12 034	1 83 865	0	4 67 95 899	55 51 785	9 35 917	0	64 87 702	4 03 08 197	4 10 60 249
5	Tubewells & Water Supply	4 96 17 864	0	0	4 96 17 864	64 58 064	9 92 356	0	74 50 420	4 21 67 444	4 31 59 800
6	Sewage & Drainage	7 30 47 101	42 72 349	0	7 73 19 450	84 39 047	16 88 826	0	1 01 27 873	6 71 91 577	6 46 08 054
7	Electrical Installation and Equipment	33 96 86 350	2 95 07 566	0	36 91 93 916	10 30 00 118	2 42 54 580	0	12 72 54 698	24 19 39 218	23 66 86 232
8	Plant & Machinery	9 65 65 853	1 81 30 045	0	11 46 95 898	2 63 31 533	84 46 125	0	3 47 77 658	7 99 18 240	7 02 34 320
9	Scientific & Laboratory Equipments	193 84 13 636	12 72 58 290	0	206 56 71 926	117 61 99 185	12 54 68 846	0	130 16 68 031	76 40 03 895	76 22 14 451
10	Office Equipments	7 41 30 242	4 01 400	0	7 45 31 642	5 54 90 619	36 70 959	0	5 91 61 578	1 53 70 064	1 86 39 623
11	Audio Visual Equipments	1 73 76 928	40 91 664	0	2 14 68 592	66 15 985	16 10 146	0	82 26 131	1 32 42 461	1 07 60 943
12	Computers & Peripherals	36 79 63 764	4 14 74 537	0	40 94 38 301	31 41 89 622	2 98 03 301	0	34 39 92 923	6 54 45 378	5 37 74 142
13	Furniture, fixtures & Fittings	18 59 54 730	46 73 210	0	19 06 27 940	10 11 85 263	1 29 38 311	0	11 41 23 574	7 65 04 366	8 47 69 467
14	Vehicles	1 47 79 668	0	0	1 47 79 668	96 94 090	10 16 202	0	1 07 10 292	40 69 376	50 85 578
15	Lib Books & Scientific Journals	6 45 91 701	3 70 272	0	6 49 61 973	4 48 03 778	48 55 288	0	4 96 59 066	1 53 02 907	1 97 87 923
16	Small Value Assets	23 387	12 302	0	35 689	23 387	12 302	0	35 689	0	0
17	Total (A)	590 73 26 497	87 71 73 024	68 35 51 474	678 44 99 521	232 52 09 051	36 34 99 502	0	268 87 08 553	409 57 90 968	358 21 17 446
	Capital Work in Progress (B)	127 15 86 665	15 42 54 479	0	74 22 89 670	0	0	0	0	74 22 89 670	127 15 86 665
Sl.No.	Intangible Assets	Cl Balance	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/Adjustment	Total Amortization	31-03-2022	31-03-2021
18	Computer Software(Incl. SIEMENS)*	98 21 21 222	1 55 58 112	0	99 76 79 334	97 78 06 290	97 22 745	0	98 75 29 035	1 01 50 299	43 14 932
19	E-Journals	4 95 38 854	29 26 103	0	5 24 64 957	4 90 29 243	15 10 181	0	5 05 39 424	19 25 533	5 09 611
20	Patents	46 02 419	18 03 182	0	64 05 601	13 34 657	7 11 734	0	20 46 391	43 59 210	32 67 762
21	SIEMENS' IP	5 14 88 606	0	0	5 14 88 606	1 71 62 868	57 20 956	0	2 28 83 824	2 86 04 782	3 43 25 738
	Total (C)	108 77 51 101	2 02 87 397	0	110 80 38 498	104 53 33 058	1 76 65 616	0	106 29 98 674	4 50 39 824	4 24 18 043
	Grand Total (A+B+C)	826 66 64 263	1 05 17 14 900	68 35 51 474	863 48 27 689	337 05 42 109	38 11 65 118	0	375 17 07 227	488 31 20 462	489 61 22 154

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 ₹68,98,648/-


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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 2021-22				Net Block	
		Op Balance	Additions	Deductions	Cl Balance 31-03-2022	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31-03-2022	31-03-2021
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	263 38 53 444	64 67 97 524	0	328 06 50 968	46 72 26 575	14 78 06 343	0	61 50 32 918	2 66 56 18 050	2 16 66 26 869
4	Roads & Bridges	4 66 12 034	1 83 865	0	4 67 95 899	55 51 785	9 35 917	0	64 87 702	4 10 60 249	4 10 60 249
5	Tubewells & Water Supply	4 96 17 864	0	0	4 96 17 864	64 58 064	9 92 356	0	74 50 420	4 31 59 800	4 31 59 800
6	Sewage & Drainage	7 30 47 101	42 72 349	0	7 73 19 450	84 39 047	16 88 826	0	1 01 27 873	6 71 91 577	6 46 08 054
7	Electrical Installation and Equipment	33 96 14 320	2 95 07 566	0	36 91 21 886	10 29 85 710	2 42 50 978	0	12 72 36 688	24 18 85 198	23 66 28 610
8	Plant & Machinery	9 63 97 703	1 81 30 045	0	11 45 27 748	2 63 14 717	84 37 717	0	3 47 52 434	7 97 75 314	7 00 82 986
9	Scientific & Laboratory Equipments	184 04 42 341	12 72 58 290	0	196 77 00 631	115 11 69 531	11 76 31 142	0	126 88 00 673	69 88 99 958	68 92 72 810
10	Office Equipments	7 41 30 242	4 01 400	0	7 45 31 642	5 54 90 619	36 70 959	0	5 91 61 578	1 53 70 064	1 86 39 623
11	Audio Visual Equipments	1 72 81 369	40 91 664	0	2 13 73 033	65 87 317	16 02 979	0	81 90 296	1 31 82 737	1 06 94 052
12	Computers & Peripherals	36 75 21 773	4 14 74 537	0	40 89 96 310	31 38 77 766	2 97 14 903	0	34 35 92 669	6 54 03 641	5 36 44 007
13	Furniture, Fixtures & Fittings	18 57 66 730	46 73 210	0	19 04 39 940	10 11 14 763	1 29 24 211	0	11 40 38 974	7 64 00 966	8 46 51 967
14	Vehicles	1 47 34 008	0	0	1 47 34 008	96 75 826	10 11 636	0	1 06 87 462	40 46 546	50 58 182
15	Lib.Books & Scientific Journals	6 45 91 701	3 70 272	0	6 49 61 973	4 48 03 778	48 55 288	0	4 96 59 066	1 53 02 907	1 97 87 923
16	Small Value Assets	23 387	12 302	0	35 689	23 387	12 302	0	35 689	0	0
	Total (A)	580 83 43 812	87 71 73 024		668 55 16 836	229 97 18 885	35 55 35 557	0	265 52 54 442	403 02 62 394	350 86 24 927
17	Capital Work in Progress (B)	127 15 86 665	15 42 54 479	68 35 51 474	74 22 89 670	0	0	0	0	74 22 89 670	127 15 86 665
	Intangible Assets	44 286	Additions	Deductions	Cl Balance	Amorti. Op Balance	Amortization for the year	Deductions/ Adjustment	Total Amortization	31-03-2022	31-03-2021
18	Computer Software	14 29 03 949	1 55 58 112	0	15 84 62 061	13 85 89 017	97 22 745	0	14 83 11 762	1 01 50 299	43 14 932
19	E-Journals	4 95 38 854	29 26 103	0	5 24 64 957	4 90 29 243	1510181	0	5 05 39 424	19 25 533	5 09 611
20	Patents	46 02 419	18 03 182	0	64 05 601	13 34 657	7 11 734	0	20 46 391	43 59 210	32 67 762
21	SIEMENS IP	5 14 88 606	0	0	5 14 88 606	1 71 62 868	57 20 956	0	2 28 83 824	2 86 04 782	3 43 25 738
	Total (C)	24 85 33 828	2 02 87 897	0	26 88 21 225	20 61 15 785	1 76 65 616	0	22 37 81 401	4 50 39 824	4 24 18 043
	Grand Total (A+B+C)	732 84 64 305	1 05 17 14 900	68 35 51 474	769 66 27 731	250 58 34 670	37 32 01 173	0	287 90 35 843	481 75 91 888	482 26 29 635

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 Asses 1 to 14 include transfer from Work in Progress during the year, as well as further acquisitions during the year.

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 4 (b): FIXED ASSETS-OTHERS (Sponsored Projects)


Sl.No.	Assets Heads	Gross Block				Depreciation for the year 2021-22				Net Block	
		Op Balance	Additions	Deductions	Cl Balance	Dep Opening Balance	Depreciation for the year	Deductions/ Adjustment	Total Depreciation	31-03-2022	31-03-2021
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	Sewage & Drainage	0	0	0	0	0	0	0	0	0	0
7	Electrical Installation and Equipment	72 030	0	0	72 030	14 408	3 602	0	18 010	54 020	57 622
8	Plant & Machinery	1 68 150	0	0	1 68 150	16 816	8 408	0	25 224	1 42 926	1 51 334
9	Scientific & Laboratory Equipments	9 79 71 295	0	0	9 79 71 295	2 50 29 654	78 37 704	0	3 28 67 358	6 51 03 937	7 29 41 641
10	Office Equipments	0	0	0	0	0	0	0	0	0	0
11	Audio Visual Equipments	95 559	0	0	95 559	28 668	7 167	0	35 835	59 724	66 891
12	Computers & Peripherals	4 41 991	0	0	4 41 991	3 11 856	88 398	0	4 00 254	41 737	1 30 135
13	Furniture, Fixtures & Fittings	1 88 000	0	0	1 88 000	70 500	14 100	0	84 600	1 03 400	1 17 500
14	Vehicles	45 660	0	0	45 660	18 264	4 566	0	22 830	22 830	27 396
15	Lib.Rooks & Scientific Journals	0	0	0	0	0	0	0	0	0	0
16	Small Value Assets	0	0	0	0	0	0	0	0	0	0
	Total (A)	9 89 82 685	0	0	9 89 82 685	2 54 90 166	79 63 945	0	3 34 54 111	6 55 28 574	7 34 92 519
17	Capital Work in Progress (B)	0	0	0	0	0	0	0	0	0	0
	Total	9 89 82 685	0	0	9 89 82 685	2 54 90 166	79 63 945	0	3 34 54 111	6 55 28 574	7 34 92 519
	Intangible Assets	Op Balance	Additions	Deductions	Cl Balance	Amort. Op Balance	Amorti. for the year	Deductions/ Adjustment	Total Amortization	31-03-2022	31-03-2021
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	86 47 07 439	79 63 945	0	87 26 71 384	6 55 28 574	7 34 92 519


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

Sl. No.	Particulars	2021-22	2020-21
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	Term Deposits with Banks	185 33 67 167	166 92 83 847
7	Others (to be specified)	0	0
	Total	185 33 67 167	166 92 83 847


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National Institute of Technology, Tiruchirappalli-620 015

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

	₹		₹		₹
Sl.No.	Particulars	2021-22	2020-21	2020-21	2020-21
1	Corpus Fund Investments	176 84 45 125		158 73 70 793	
2	Staff Development Fund Investments	2 71 54 547		2 56 60 885	
3	Maintenance Fund Investments	11 68 956		11 15 105	
4	Depreciation Fund Investments	11 68 956		11 15 105	
5	Student Welfare Fund Investments	1 75 34 311		1 67 26 547	
6	ECC Fund Investments	1 78 03 976		1 69 70 511	
7	AIC Fund Investments	52 00 000		52 00 000	
8	Endowment Fund Investments	1 48 91 297		1 51 24 901	
	Total	185 33 67 167		166 92 83 847	

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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 6 : INVESTMENTS - OTHERS

		₹	₹
Sl.No.	Particulars	2021-22	2020-21
1	In Central Government Securities	0	0
2	In State Government Securities	0	0
3	Other approved Securites	0	0
4	Shares	0	0
5	Debentures and Bonds	0	0
6	Others (to be specified)	0	0
	Total	0	0


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 7 : CURRENT ASSETS

	₹	₹
Particulars	2021-22	2020-21
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 96 59 506	2 46 16 051
3. Cash and bank Balances (inc.Stamp on Hand)		
Stamp on Hand :	1 46 017	48 512
a) With Scheduled Banks:-		
- In Current Accounts	1 95 68 978	3 76 94 234
- In Term Deposit Accounts	200 80 06 522	175 45 38 229
- In Savings Accounts	38 93 10 505	66 34 25 423
b) With Non-Scheduled Banks:-		
- In Term Deposit Accounts	0	0
- In Savings Accounts	0	0
4. Post Office-Savings Accounts	0	0
Total	244 66 91 528	248 03 22 449

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 7 : ANNEXURE A

Head of Account	Name of the Bank	A/C - No.	Amount
I. Savings Bank Account			
1. PLAN Account	SBI, NITT	10023882957	17 22 89 819
2. NON PLAN Account	SBI, NITT	10023882946	2 18 68 663
3. CANARA Bank Account	Trichy Rly Jn.	36127	2 37 708
4. TEQIP Account	SBI, NITT	10023883008	85 417
5. a) ECC Account	SBI, NITT	10023883064	3 90 06 435
b) ICSR Account	SBI, NITT	4085-3514-994	58 47 474
6. CORPUS and Other Funds Account	SBI, NITT	10023883097	11 78 282
7. Research & Development Funds	SBI, NITT	10023883042	2 05 78 278
8. SCHOLARSHIPS Account	SBI, NITT	10023883019	39 83 685
9. Research Management Fund	SBI, NITT	33076404999	85 41 502
10. HP Account (Balance & Demand Remittance A/c)	SBI, NITT	30165680347	10 000
11. SERB Account	SBI, NITT	393-505-937-62	3 75 98 734
12. ISRO-STIC Account	SBI, NITT	393-505-953-74	66 03 988
13. CSIR Account	SBI, NITT	4085-32-22-118	13 28 151
14. SPARC Account	SBI, NITT	4085-35-17-112	1 14 28 253
15. DEFENCE Account	SBI, NITT	4085-35-17-837	2 49 81 887
16. DST Account	SBI, NITT	4085-35-17-485	3 19 17 596
17. UGC Account	SBI, NITT	4085-35-167-20	18 24 634
II. Current Account			
1. Service Tax Account	SBI, NITT	34837295014	21 28 585
2. Student Fee Account	SBI, NITT	35821815354	10 000
3. Foreign Exchange Transactions Account	SBI, NITT	10891414445	24 66 542
4. EIGHTY BATCH CHAIR FUND Account	SBI, NITT	36736417068	29 06 503
5. PG fees Account	SBI, NITT	38127411825	1 07 081
6. Other Fees Account	SBI, NITT	38127412035	27 271
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	53 72 690
10. CSAB 2019 - 220 Account	SBI, NITT	38557109220	3 17 770
11. Conference Consultancy Account	SBI, NITT	38322028974	48 28 240
12. AIC Account	SBI, NITT	37836124626	10 38 756
13. SERB Current Account	SBI, NITT	388811629683 (SR A/c closed)	0
FEMS - TSA (RBI Assignment A/c)	RBI	10681401001	0
III. Term Deposits with Schedule Banks			
1. IRG Deposits (in Plan a/c)	SBI, NITT		74 67 03 037
1. IRG Deposits (in HEK a/c)	SBI, HEK		2 40 00 000
2. Canara Bank Escrow Principal Account	Canara Bank, Thuvakudi		3 93 97 256
3. IRG Deposits (in Non-Plan A/c)	SBI, NITT		57 91 64 421
4. PG Fees Account Deposits (MOD)	SBI, NITT		36 56 09 324
5. R & C Funds	SBI, NITT		12 19 91 760
6. ECC Funds	SBI, NITT		3 50 00 000
7. CSAB 2019 Deposits	SBI, NITT		9 61 40 724
Total			241 68 86 005



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SCHEDULE 8 : LOANS, ADVANCES & DEPOSITS

	₹	₹
Particulars	2021-22	2020-21
1. Advance to Employees (Non-Interest Bearing)		
a) Salary	0	0
b) Festival	7 200	7 200
c) LTC	1 11 750	23 681
d) Medical Advance	2 98 590	1 20 361
e) Other (to be specified)	0	0
2. Long Term Advance to Employees (Interest Bearing)		
a) Vehicles Loan	11 88 981	16 80 369
b) Home Loan	0	0
c) Other (to be specified) -Computer Loan	15 01 578	18 24 510
3. Advances and Other amount recoverable in Cash or in kind or for Value to be received:		
a) On Capital Account- Deposits with CPWD	54 01 66 688	22 32 01 271
b) To Suppliers	9 47 090	9 47 090
c) Other (to be specified)-Contingency - Institute and R&C	9 69 391	48 79 211
4. Prepaid Expenses		
a) Insurance	27 36 074	26 78 665
b) Other Expenses	2 56 84 412	1 72 03 704
5. Deposits		
a) Telephone	1 03 079	1 03 079
b) Lease Rent	0	0
c) Electricity	69 51 939	1 37 82 190
d) AICTE, if applicable	0	0
f) Others (to be specified)	0	0
6. Income Accrued:		
a) On Investments from Earmarked/Endowment Funds	4 76 59 909	3 77 65 198
b) On Investment Others	3 68 28 405	3 53 31 977
c) On Loans and Advances	0	0
d) Others (includes income due unrealized) CSAB 2019 Investment	28 37 701	33 34 691
7. Other-Current Assets receivable from UGC/Sponsored Projects		
a) Debit Balances in Sponsored Projects	37 61 839	66 52 149
b) Debit Balances in Fellowship & Scholarship(QIF)	0	0
c) Grants Receivables	0	0
d) Other Receivables	1 14 30 166	31 54 700
8. Claims Receivables (IT TDS)		
Total	68 62 06 312	35 56 75 801


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

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

	₹	₹
Particulars	2021-22	2020-21
Fees from Students		
Academic		
1. Tuition Fee (including share of corpus fund - Rs.7,80,00,000)	48 76 10 618	54 33 30 687
2. Admission Fee	46 52 000	45 44 000
3. Enrolment Fee / Convocation Fee	95 95 150	95 18 800
4. Library Admission Fee	2 17 20 950	1 76 17 900
5. Laboratory Fee / Computer Fee	2 36 57 012	1 66 41 150
6. Art & Craft Fee / Sports Fee	96 92 963	15 32 900
7. Registration Fee	29 48 147	27 64 050
8. Syllabus Fee/ MBA Fee	71 57 169	63 95 450
Total (A)	56 70 34 009	60 23 44 937
Examinations		
1. Admission Test Fee	0	0
2. Annual Examination Fee	1 25 01 969	1 38 94 667
3. Mark Sheet, Certificate Fee	8 000	5 51 952
4. Entrance Examination Fee	0	0
Total (B)	1 25 09 969	1 44 46 619
Other Fees		
1. Identity Card Fee	0	0
2. Fine / Miscellaneous Fee	64 31 150	64 62 572
3. Medical Fee	5 65 300	5 66 650
4. Transportation Fee/Bus Fare Collection	1 50 435	86 425
5. Hostel Fee	0	0
Total (C)	71 46 885	71 15 647
Sale of Publications		
1. Sale of Admission forms	17 57 401	18 07 350
2. Sale of Syllabus and Question Paper, etc.	0	0
3. Sale of Prospectus including Admission Forms	0	0
Total (D)	17 57 401	18 07 350
Other Academic Receipts		
1. Registration fee for Workshops, Programmes	0	0
2. Registration fee (Academic Staff College)	0	0
3. Campus Development Fee (including share of Corpus Fund Rs.1,17,00,000)	2 25 72 000	2 24 73 500
Total (E)	2 25 72 000	2 24 73 500
Grand Total (A+B+C+D+E)	61 10 20 264	64 81 88 053

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


Particulars	CAPITAL			Total Capital	REVENUE		2021-22	2020-21
	Govt.of India MoE	UGC			Govt.of India MoE			
		Capital	Specific Schemes					
Balance B/F	10 25 18 124	0	0	10 25 18 124	0		10 25 18 124	27 60 69 234
Add : Receipts during the year								
<i>Total Grant Sanctioned during the year (a)</i>	<i>13 50 00 000</i>			<i>13 50 00 000</i>	<i>1 78 91 93 669</i>		<i>1 92 41 93 669</i>	
<i>Less: Grant Lapsed during the year (b)</i>	<i>10 51 96 816</i>			<i>10 51 96 816</i>	<i>3 10 39 882</i>		<i>13 62 36 698</i>	
Net Grant Received (a-b)	2 98 03 184	0	0	2 98 03 184	1 75 81 53 787		1 78 79 56 971	170 73 76 162
Interest Income	0	0	0	0	0		0	0
Total	13 23 21 308			13 23 21 308	1 75 81 53 787		1 89 04 75 095	1 98 34 45 396
Less : Surplus IRG 2018-19 transfer to Capital Fund	0	0	0	0	0		0	0
Balance	13 23 21 308	0	0	13 23 21 308	175 81 53 787		189 04 75 095	198 34 45 396
Less : Utilised for Capital Expenditure (A)	13 23 21 308	0	0	13 23 21 308	0		13 23 21 308	20 80 22 966
Balance	0	0	0	0	175 81 53 787		175 81 53 787	177 54 22 430
Less : utilised for Revenue Expenditure (B)	0	0	0	0	0		0	167 29 04 306
Balance C/F (C)	0	0	0	0	0		0	10 25 18 124


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

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

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

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


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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 11 : INCOME FROM INVESTMENTS

Particulars	Earmarked / Endowment Funds		Other investments	
	2021-22	2020-21	2021-22	2020-21
	₹			
1) Interest				
a) On Government Securities	0	0	0	0
b) Other Bonds/Debentures	0	0	0	0
2) Interest on Term Deposits	4 18 88 617	5 29 62 573	6 96 50 006	6 41 44 457
3) Income accrued but not due on Term Deposits/Interest bearing advance to employee	4 76 59 909	3 77 65 198	0	0
4) Interest on Savings Bank Accounts	2 54 213	1 44 937	0	0
5) Others (Specify)	0	0	0	0
Total	8 98 02 739	9 08 72 708	6 96 50 006	6 41 44 457
Transferred to Earmarked / Endowment Funds	8 98 02 739	9 08 72 708	0	0
Balance	0	0	0	0

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 12 : INTEREST EARNED

Particulars	2021-22	2020-21
1) On Savings Accounts with Scheduled Banks	72 19 720	81 38 713
2) On Loans		
a) Employee/Staff	5 09 526	4 84 948
b) Others	0	0
3) On Debtors, EB (SD) and Other Receivables	5 92 634	7 56 155
Total	83 21 880	93 79 816

592634 EB DEPOSIT INTEREST


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

	2021-22	2020-21
A. Income from Land & Building:		
1. Hostel Room Rent	3 26 21 821	2 95 39 547
2. License Fee Qtrs	56 27 545	64 45 580
3. Hire Charges of Auditorium/Play Ground/Convention Centre, Commercial Complex	41 77 421	20 88 443
4. Electricity charge recovered	2 75 52 410	2 55 67 042
5. Water charges recovered	20 68 512	17 35 308
Total (A)	7 20 47 709	6 53 75 920
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	15 92 492	19 14 266
a) Honorarium to staff	0	0
2. RPI Fees	270	430
3. Income from Royalty	0	0
4. Sale of Application Form (Recruitment)	21 40 165	41 16 075
5. Misc. Receipts (Sale of Tender Form, Waste Paper etc.)	35 13 549	10 71 347
6. Profit on Sale/Disposal of Assets:-		
a) Owned Assets (under buy back purchase)	0	0
b) Assets received Free of Cost	0	0
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations	0	0
8. Other (specify)		
a) Association and cultural fee	90 45 250	79 84 300
b) QIP Fellowship from AICTE	0	0
Total (D)	1 62 91 725	1 50 86 418
Grand Total (A+B+C+D)	8 83 39 434	8 04 62 338

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NIT - Tiruchirappalli

Abub
Director
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National Institute of Technology, Tiruchirappalli-620 015

SCHEDULE 14 : PRIOR PERIOD INCOME

	₹	₹
Particulars	2021-22	2020-21
1. Academic Receipts	0	0
2. Income from Investments	0	0
3. Intrest earned	0	0
4. Other Income	74 00 000	1 50 95 417
Total	74 00 000	1 50 95 417


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

Particulars	₹	
	2021-22	2020-21
a) Salaries and Wages	90 06 44 660	80 65 16 166
b) Allowances and Bonus	1 52 58 020	3 14 36 592
c) Contribution to Provident Fund/EFF	3 32 18 502	21 98 109
d) Contribution to Other Fund (NPS)	6 49 97 242	5 25 25 908
e) Staff Welfare Expenses	2 55 220	10 66 499
f) Retirement and Terminal Benefits @	592 32 04 128	23 17 29 650
g) LTC Facility	4 83 726	2 55 74 992
h) Medical Facility	2 43 69 147	1 77 03 321
i) Children Education Allowance	83 96 000	9 40 000
j) Honorarium	47 38 324	38 07 283
k) Others (Specify) Outsources exp.	13 32 48 393	12 81 47 842
Total	710 88 13 362	130 16 46 362

SCHEDULE 15A : Employees Retirement and Terminal Benefits

Particulars	₹		
	Pension	Gratuity	Leave Encashment
Opening Balance as on 1st April	0	0	0
Addition: Capitalized value of Contributions received from other organizations	0	0	0
Total (a)	0	0	0
Less : Actual Payment during the year (b)	19 10 99 324	2 50 67 821	2 71 43 057
Balance available on 31st March (c) (a-b) @	- 19 10 99 324	- 2 50 67 821	- 2 71 43 057
Provision required on 31st March as per valuation (d)	467 03 13 242	35 32 09 795	65 41 03 313
A. Provision to be made in the Current year (d-c)	486 14 12 566	37 82 77 616	68 12 46 370
B. Contribution to New Pension Scheme			24 33 10 202
C. Medical Reimbursement to Retired Employees			- 24 33 10 202
D. Travel to Hometown on Retirement			567 76 26 350
E. Provision			592 09 36 552
			6 49 97 242
			13 21 226
			9 46 350
Total (A+B+C+D+E)	486 14 12 566	37 82 77 616	68 12 46 370
			598 82 01 370

Note: @ Rs.567.76 Crore - Provision for liability towards Retirement Benefits as per Actuarial Valuation has been created in FY 2021-22 and exhibited in Schedule-3 by debiting the Income & Expenditure Account Schedule-15A. Till FY 2020-21 such provision required was being disclosed under Notes on Accounts only.

N. Dhand

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 16 : ACADEMIC EXPENSES

Particulars	₹	₹
Particulars	2021-22	2020-21
a) Laboratory Expenses /DOC	40 50 735	32 86 295
b) Field Work / Participation	0	0
c) Seminar / Workshop	6 002	3 23 806
d) Payment to Visiting Faculty	1 69 21 562	1 38 20 368
e) Examination	0	0
f) Student Welfare Expenses	99 21 728	76 72 246
g) Admission Expenses	1 95 688	15 40 006
h) Convocation Expenses	25 98 621	28 04 045
i) Publications	0	0
j) Stipend / Means-cum-Merit Scholarship	32 74 32 614	25 21 70 637
k) Subscription Expenses E-Journals	4 52 11 027	3 39 10 462
l) Others (Specify)		
a) Siemens COE Research Expenses	0	82 85 580
b) Sports & Games, NCC/NSS,etc	2 18 815	2 35 477
Total	40 65 56 792	32 40 48 922

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Director

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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 17 : ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	2021-22	2020-21
A Infrastructure		
a) Electricity and Power	5 21 93 926	4 26 27 549
b) Water Charges	1 70 26 840	1 50 59 635
c) Insurance	29 41 591	28 59 869
d) Rent, Rates and Taxes (including Property Tax)	25 19 904	17 06 289
B Communication		
e) Postage & Telegram	2 87 608	2 67 511
f) Telephone Fax and Internet Charges	44 03 325	60 03 214
C Others		
g) Printing and Stationary	12 14 976	18 06 148
h) Travelling and Conveyance Expenses	2 46 935	5 217
i) Hospitality	12 48 438	9 43 254
j) Auditors Remuneration		
k) Professional Charges	23 38 846	4 94 472
l) Advertisement and Publicity	11 23 690	27 77 300
m) Magazines & Journals	1 63 646	2 12 190
n) Others (Specify)		
Board/Finance Committee Meeting Exp.	10 18 610	10 50 972
Other Exp (NIT Transit House etc)	32 16 886	20 75 064
Total	8 99 45 221	7 78 88 684

N. Dhand
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 NIT-Tiruchirappalli

[Signature]
 Director
 NIT-Tiruchirappalli

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

	₹	₹
Particulars	2021-22	2020-21
1. Vehicles (Owned by Institution)		
a) Running Expenses	9 72 454	7 32 170
b) Repairs & Maintenance	5 61 333	20 40 267
c) Insurance Expenses	0	0
2. Vehicles taken on Rent / Lease		
a) Rent / Lease Expenses	9 91 393	8 77 759
3. Vehicle(Taxi) hiring Expenses	0	0
Total	25 25 180	36 50 196

N. Senthil
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 Director
 NIT-Tiruchirappalli

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

Particulars	2021-22	2020-21
a) Buildings	1 03 97 994	2 04 79 201
b) Furniture & Fixtures	2 17 141	40 479
c) Plant & Machinery	0	0
d) Office Equipments	4 54 244	13 997
e) Computers	1 03 41 125	40 96 677
f) Laboratory & Scientific equipment	49 24 787	7 32 752
g) Audio Visual equipment	14 073	4 56 731
h) Cleaning Material & Services	0	0
i) Book Binding Charges	0	0
j) Gardening	1 06 92 153	53 41 821
k) Estate Maintenance	2 39 79 567	3 27 86 337
l) Others (Specify)	0	0
AMC	2 40 22 546	38 97 036
Total	8 50 43 630	6 78 45 031


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 Director

NIT-Tiruchirappalli

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

Particulars	₹ 2021-22	₹ 2020-21
a) Bank Charges	5 73 723	6 40 893
b) Others:		
i) HEFA Loan Interest	1 55 52 413	1 06 88 978
iii) Interest on Unutilised Project Grant (TAT/MODROB Projects)	18 40 896	.0
iii) Interest on Unutilised Grant-in-Aid (paid to MoE)	22 81 497	.0
Total	2 02 48 529	1 13 29 871



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National Institute of Technology, Tiruchirappalli-620 015
SCHEDULE 21 : OTHER EXPENSES

Particulars	2021-22	2020-21
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	2021-22	2020-21
1. Establishment Expenses	0	0
2. Academic Expenses	0	0
3. Administrative Expenses	0	0
4. Transportation Expenses	0	0
5. Repairs & Maintenance	3 05 232	0
6. Other Expenses (GST Payment)	0	0
Total	3 05 232	0


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 NIT-Tiruchirappalli


 Director
 NIT-Tiruchirappalli

**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 ₹ 68.36 Crores added to Fixed assets and the depreciation provided from the year of completion of work.
- 3.4 The depreciation amounts to ₹ 38,11,65,118/- for the Year 2021-22, of which ₹ 37,42,71,470/- is exhibited under Income and Expenditure Account and ₹ 68,93,648/- charged to the SIEMENS Asset Donated in Capital Fund for which the depreciation will be charged till 2029-30.
- 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 2022, for Retirement Benefits were ascertained by Actuary. The details are as follows:

Particulars	Current ₹	Non-Current ₹	Total ₹
Gratuity	2,04,15,153	33,27,94,642	35,32,09,795
Leave Encashment	4,82,48,006	60,58,55,307	65,41,03,313
Pension	6,55,24,088	460,47,89,154	467,03,13,242
Total	13,41,87,247	554,34,39,103	567,76,26,350

Provision for liability towards retirement benefits as per Actuarial Valuation stated above has been exhibited in Schedule-3 in the Balance Sheet and it has also been exhibited in Income & Expenditure Account in Schedule 15A from this FY 2021-22 onwards.

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. With effect from August 2022, the Grant-in-Aid from Central Government is received through Treasury Single Account (TSA), RBI Assignment A/c.

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.


N. Dhanu
Registrar (i/c)
NIT - Tiruchirappalli


Director
NIT - Tiruchirappalli

SCHEDULE: 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	3
Non-Teaching Staff	4
Others	36

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 2021-22 is ₹ 48.37 crore (Grant: 0.34 Cr, HEFA: 9.60 Cr, IRG: 38.43 Cr) The completed deposit works to the value of ₹ 68.36 Crores is added to the Fixed Assets in 2021-22. As on 31.03.2022, the total work-in-progress is Rs.74.23 Crore and the balance deposit available with CPWD is Rs.54.02 Crore.

2. FIXED ASSETS:

- 2.1 Additions in the year to Fixed Assets in Schedule 4 include Assets purchased out of Capital Grant & IRG ₹ 89.74 Crore.
- 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 1.4.2021	Additions during year 2021-22	Deductions during year 2021-22	Total as on 31.3.2022
Building	1,24,61,820	-	-	1,24,61,820
Electrical Installation	3,49,973	-	-	3,49,973
Equipment & Tools	21,39,99,281	-	-	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	27,77,20,491	-	-	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 2021-22

The details of such Assets are:

Assets	Original cost as on 1.4.2021	Additions during year 2021-22	Deduction/ Capitalized	Total	Notional Depreciation Opening Balance	Notional Depreciation for the year 2021-22	Deduction/ Acc. Depreciation	Total Notional Depreciation	Total Book value as on 31.3.2022
Equipment & Tools	₹ 11,74,59,993	₹ 2,54,17,836	₹ 0.00	₹ 14,28,77,829	₹ 2,85,04,593	₹ 1,14,30,225	₹ 0.00	₹ 3,99,34,818	₹ 10,29,43,011
Computers & Peripherals	₹ 1,12,03,926	₹ 2,58,006	₹ 0.00	₹ 1,14,61,932	₹ 63,43,843	₹ 19,29,862	₹ 0.00	₹ 82,73,705	₹ 31,88,227
Computer Software	₹ 33,41,188	₹ 0.00	₹ 0.00	₹ 33,41,188	₹ 29,09,188	₹ 2,88,000	₹ 0.00	₹ 31,97,188	₹ 1,44,000
Total	₹ 13,20,05,107	₹ 2,56,75,842	₹ 0.00	₹ 15,76,80,949	₹ 3,77,57,624	₹ 1,36,48,087	₹ 0.00	₹ 5,14,05,711	₹ 10,62,75,238

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			2021-22			Exhibition in Annual Accounts
		Capital	Revenue	Current Assets & Advances	Revenue	Current Assets & Advances	Revenue	Current Assets & Advances	Revenue	Current Assets & Advances	
Service	24856740	-	8285580	8285580	8285580	0	0	0	0	Schedule 16 and 8	
IP (Research)	51488606	-	-	-	-	-	-	-	-	Schedule 4 and 1	
Software	64305981	-	-	-	-	-	-	-	-		
Hardware	65808870	-	-	-	-	-	-	-	-		
Total	206460197	-	8285580	8285580	8285580	0	0	0	0		

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 through Window-I (100% principal repayment will be paid by Institute from IRG and the Interest portion will be paid out of Grant). The Details of Loan Sanctioned, Availed and Repaid etc. are disclosed under Schedule-2(HEFA).

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 2022 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 2021-22 have been attached, to the Institutions' Accounts.



Registrar (i/c)

NIT-Tiruchirappalli



Director

NIT-Tiruchirappalli

RECEIPTS AND PAYMENT ACCOUNT

National Institute of Technology, Tiruchirappalli-620 015
Receipts and Payments Accounts for the Period/Year Ended on 31-03-2022

Receipts	2021-22	Payments	2021-22
I. Opening Balance		I. Expenses	
a) Cash Balance	0	a) Establishment Expenses	131 40 60 747
b) Bank Balance:	0	b) Academic Expenses	30 82 65 653
i. In current accounts	3 76 94 235	c) Administrative Expenses	11 05 98 592
ii. Savings accounts	66 34 25 423	d) Transportation Expenses	20 66 225
iii. In Deposit accounts	0	e) Repairs & Maintenance	7 43 17 916
II. Grants Received		f) Prior Period Expenses	0
a) From Govt of India	178 79 56 971	g) Finance cost	1 83 51 889
Grant receivable received	0	II. Payments Against Earmarked/Endowment Funds	2 49 020
b) From State Government	0	III. Payments Against Sponsored Projects/Schemes :	
c) From other Sources	0	Fixed Assets(R & C): 2 56 75 842, Revenue Exp: 10 51 51 77	13 08 27 619
III. Academic Receipts	60 56 39 349	IV. Payment against Sponsored Fellowships/Scholarships	1 25 93 381
IV. Receipts Against Earmarked/Endowment Funds	26 06 332	V. Investments and Deposits made	
V. Receipts Against Sponsored Projects/Schemes	18 72 46 318	a) Out of Earmarked/Endowments Funds	171 06 10 376
VI. Receipts against Sponsored Fellowships/Scholarships		b) Out of own funds (others)	211 40 87 322
VII. Income Investments From	1 06 28 724	VI. Term Deposits with Scheduled Banks	
a) Earmarked/Endowment funds	5 32 964	VII. Expenditure on fixed Assets and capital works-in Progress:	
b) Other Investments	7 11 15 987	a) Fixed Assets	19 91 33 370
VIII. Interest Received on		b) Capital Works-in Progress	48 37 01 299
a) Bank Deposits/EB Deposit	9 18 01 443	VIII. Other Payments including statutory payments	6 22 85 000
b) Loans and Advances	5 09 526	IX. Refunds of Grants	
c) Savings Bank Accounts	78 12 354	X. Deposits and Advances	65 22 77 110
IX. Investments encashed	152 65 27 056	XI. Other Payments.- Sundry Creditors	16 28 94 852
X. Term Deposits with Scheduled Banks encashed	186 08 56 533	XII. Closing Balances	
XI. Other Income (inc. Prior period income)	8 89 55 489	a) Cash in hand	0
XII. Deposits and advances	66 25 40 956	b) Bank Balance:	
XIII. Miscellaneous Receipts including Sundry Debtors	84 177	in Current Accounts	1 95 68 979
XIV. Any Other Receipts	1 24 81 403	in Savings Accounts	38 93 10 505
From CPWD	14 67 84 613	in Deposit Accounts	0
HEFA Loan & Others		Total	776 51 99 854


N. Dhand
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 Director
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GPF AND NPS ACCOUNTS

National Institute of Technology, Tiruchirappalli-620 015
Provident Fund Account Balance Sheet as at March 31, 2022

	₹	₹	₹	₹
Liabilities	2021-22	2020-21	Assets	2021-22
GPF				
Opening Balance	23 72 87 156	22 65 04 061	Investment	25 07 79 221
Less: Subscription for March 2021	38 72 265	41 87 034	Int. accrued as on 31-03-2022	57 52 381
Add: Subscriptions in the year	4 68 92 575	4 86 01 070	Subscription Due in the Year	0
Add: Subscription March 2022 (Receipt)	50 000	0	Subscription Due for March, 2021	0
Add: Subscriptions for March 2022	38 45 141	38 72 265	GPF	38 45 141
Add: Interest Credited	1 60 31 012	1 58 14 127	CPF	0
Less: Advance / Withdrawal	5 98 36 916	5 33 17 333	UC due to CPF	0
Closing Balance	24 03 96 703	23 72 87 156	NPS-II	0
			Tax Recovered from interest on investments	0
CPF			Pending refund from income Tax Department	0
Opening Balance	0	0		
Less: Subscription for March 2020	0	0	Cash at Bank	44 92 196
Add: Subscriptions in the year	0	0	SBI, Branch-1	0
Add: Subscriptions for March 2021	0	0	Other Bank	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 2021	0	0		
Add: Subscriptions in the year	0	0		
Add: Subscriptions for March 2022	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 2021	0	0		
Add: Subscriptions in the year	0	0		
Add: Subscriptions for March 2022	0	0		
Add: Interest Credited	0	0		
Less: Advance / Withdrawal	0	0		
Closing Balance	0	0		
Interest Reserve				
Opening Balance	2 73 49 362	2 83 52 490		
Less: Excess of income over Expenditure	- 28 77 126	- 10 03 128		
Closing Balance	2 44 72 236	2 73 49 362		
Total	26 48 68 939	26 46 36 518	Total	26 48 68 939
				26 46 36 518


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 NIT-Tiruchirappalli


 Director
 NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015

Provident Fund Account Income and Expenditure Account for the year ended on March 31, 2022

	₹	₹	₹	₹
Expenditure	2021-22	2020-21	Income	2021-22
Interest Credited to:				
GPF Account	1 60 31 012	1 58 14 127	Interest earned on Investment	1 32 53 107
CPF Account	0	0	Add: Interest Accrued on March22	57 52 381
University Contribution(CPF)	0	0	Add: Tax recovered on interest- Refund to be obtained	0
NPS Tier-II Account	0	0	Less: Interest accrued for March21	58 51 602
Excess of Income over Expenditure	0	0	Excess of Expenditure over Income	28 77 126
Total	1 60 31 012	1 58 14 127	Total	1 60 31 012
				1 58 14 127

N. S. Srinivasan
Registrar (i/c)

NIT -Tiruchirappalli

[Signature]
Director


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National Institute of Technology, Tiruchirappalli - 620015

Provident Fund Account Receipts and Payments Accounts for the Financial Year 2021-22

	₹	₹	
Receipts	2021-22	2021-22	2021-22
Opening Balance as on 01-04-2021			5 98 36 916
SBI, Branch - I	55 83 517		0
SBI, Branch - II	0		0
Bank	0		0
GPF Subscription	4 68 92 575		24 98 71 039
GPF Subscription (Mar 2022 Dr. G.Kannabiran)	50 000		
CPF Subscription	0		
CPF University Contribution	0		
NPS Tier-II Account	0		
Investment Encashed	24 84 20 952		44 92 196
Interest Received	1 32 53 107		0
Total	31 42 00 151	Total	31 42 00 151


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National Institute of Technology, Tiruchirappalli-620 015

NPS Tier-I Account Balance Sheet as at March 31, 2022

	₹	₹	₹	₹
Liabilities	2021-22	2020-21	Assets	2021-22
NPS Tier-I Account			NPS Tier-I Account	
Opening Balance	43 07 042	69 81 446	Subscription due for 31-03-22	41 37 980
Less: Subscription for 31-03-21	33 03 839	64 46 155	Investment	0
Add: Subscriptions & Contribution	11 44 38 049	8 94 30 016	Interest Accrued but not due	0
Add: Interest Credited	0	0	Balance at Bank	1 05 23 395
Less: Transferred to NSDL	10 69 01 803	8 89 62 104		
Add: Subscription UC for 31-03-22	41 37 980	33 03 839		
Closing Balance	1 26 77 429	43 07 042		
Excess of income over Expenditure	0	0		
Balance As on 01-04-2021	18 57 297	17 34 019		
Add: During the Year	1 26 649	1 23 278		
Less: Excess of Expenditure over Income	0	0		
Total	1 46 61 375	61 64 339	Total	1 46 61 375
				61 64 339


Registrar (i/c)

NIT-Tiruchirappalli


Director

NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015

NPS Tier- I Account Income and Expenditure Account for the Financial year 2021 -22

	₹	₹	₹	₹
Expenditure	2021-22	2020-21	Income	2021-22
Interest Credited to:				
Subscribers' Accounts	0	0	Interest earned on Investment/Savings Bank	1 26 649
Bank Charges	0	0	Less: Interest accrued for 31-03-21	0
Excess of Income over Expenditure	1 26 649	1 23 278	Interest accrued but not due	0
Total	1 26 649	1 23 278	Excess of Expenditure over Income	0
			Total	1 26 649
				1 23 278

N. D. M.

Registrar (i/c)

NIT-Tiruchirappalli

[Signature]

Director


NIT-Tiruchirappalli

National Institute of Technology, Tiruchirappalli-620 015

NPS Tier- I Account Receipts and Payments Accounts for the Financial Year 2021-22

	₹		₹
Receipts	2021-22	Payments	2021-22
Opening Balance as on 01-04-21		Investment	0
NPS Tier - I Account	28 60 500	Withdrawal/Refund to NSDL	10 69 01 803
Own Subscription	4 51 18 570		
University Contribution	6 93 19 479		
Interest Received on Investment	0		
Interest on Savings bank Account	1 26 649		
Investment Encashed	0	Closing Balance as on 31-03-22	1 05 23 395
Total	11 74 25 198	Total	11 74 25 198


 Registrar (i/c)
 NIT-Tiruchirappalli


 Director
 NIT-Tiruchirappalli



NATIONAL INSTITUTE OF TECHNOLOGY
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