

National Institute of Technology Tiruchirappalli

INSTITUTE DAY

**20
25**

**A Report on
Achievements**



NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI

Tamil Nadu - 620 015

NIT, Tiruchirappalli's 6 decades of excellence in teaching, research, and innovation bear testament to the institute's success in adapting to an ever-changing educational environment. Established as the Regional Engineering College (REC) in 1964, the salubrious campus became NIT, Tiruchirappalli in 2003 and is an Institution of National Importance under the Ministry of Education, Government of India. The President of India is the visitor of the Institute. In the NIRF 2024 rankings, NIT, Tiruchirappalli has achieved the prestigious No. 1 position among all NITs for the ninth consecutive year. In the Engineering category, the institute has been placed 9th nationwide. Furthermore, NIT, Tiruchirappalli stands as the sole NIT, to be featured in the QS World University Rankings 2025, securing a spot in the 701-710 range.

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. Institute has also introduced a B.Sc-B. Ed., programme with an intake of 50 students admitted through exams administered by the NTA. The vibrant campus with 7600 + students is a shining example of cultural diversity with faculties of around 340 and non-Teaching staff of 389 drawn from almost all the states in the country and also students from abroad admitted through ICCR, MEA and Study in India programme. NIT, Tiruchirappalli follows credit-based academic programmes with flexible curricula, minor specializations, flipped class rooms and new evaluation models. NIT, Tiruchirappalli provides modern infrastructure and facilities for students, including well-equipped laboratories, libraries, sports facilities, hostels, and more. The campus also hosts various cultural and technical events throughout the year.

The Institute has won the prestigious CII-AICTE best industry linked institute, National level awards from FICCI for social responsibility and University of the year 2017 (above 30 years) and from ASSOCHAM for the best institute to use ICT tools in education. NIT, Trichy became the only NIT, among the thirty-one NITs in the country to be awarded a position in the Swacch Campus Rankings (2018). NIT, also bagged the Green Campus Award conferred by TNPCB. The institute also received High Impact Entrepreneurship Campus Award jointly awarded by the Ministry of Skills Development and Entrepreneurship. NIT, Tiruchirappalli bagged the 'One District One Green Champion' award as part of Swachhta Action Plan 2020-21, awarded by the Mahatma Gandhi National Council of Rural Education. The institute is the only NIT, included in the set of PMRF awarding Institutions. A total of 40 Ph. D. students bagged the Prime Minister's Research Fellowship (PMRF) award in last four academic years.

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 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 the 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. NIT, Tiruchirappalli is one of the 100 institutions in India selected by the Department of Telecommunications to establish a 5G Use Case Lab, focusing on "Machine Learning Algorithms for Wireless Communication Applications in the Agriculture Domain," to prepare academia and startups for the transition to 6G technology.

NIT, Tiruchirappalli has been designated as a 'Skill Hub Centre' under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY), a flagship scheme by the Government of India's Ministry of Skill Development and Entrepreneurship. The centre was recently launched in alignment with the core principles of NEP 2020,

which highlight the significance of a comprehensive education that integrates academic, vocational, and practical skills.

The alumni have distinguished themselves through their achievements in and contributions to the domains of industry, academics, research, business, and governance. The institute continues to work closely with the alumni to enhance its activities through interactions in academic and research programmes as well as to mobilise financial support.

I. UNDERGRADUATE PROGRAMMES

A. 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

B. Bachelor of Architecture (10 Semesters)

1. Architecture

C. Bachelor of Science and Bachelor of Education (8 Semesters)

1. Chemistry, Mathematics, and Physics

II. POSTGRADUATE PROGRAMMES

A. 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

B. Master of Architecture (4 Semesters)

1. Energy Efficient and Sustainable Architecture

C. Master of Science (4 Semesters)

1. Chemistry
2. Computer Science
3. Mathematics
4. Physics

D. Master of Business Administration (6 Trimesters)

E. Master of Computer Applications (6 Semesters)

F. Master of Arts (4 Semesters)

English Language and Literature

III. MASTER OF SCIENCE (By Research)

All Engineering Departments

IV. DOCTOR OF PHILOSOPHY

All Departments

DIRECTOR'S MESSAGE

Esteemed Chief Guest, Prof. Govindan Rangarajan, Director, Indian Institute of Science, Bengaluru, Registrar, Dr. S. A. Senthil Kumar, Deans, Heads of Departments, Faculty, Staff, Students, Media Representatives, Ladies and Gentlemen.

It is my great privilege to welcome you all to our Institute Day 2025 celebrations. As we gather here today, we not only commemorate another year of remarkable achievements but also celebrate the 61st year of our beloved institution's journey and rich legacy in nurturing young minds and empowering generations to come. This milestone bears witness to our steadfast dedication to excellence in education, pioneering research, and transformative innovation. The academic year 2024-25 has been a testament to our ability to adapt and thrive in an ever-changing educational environment. I deeply appreciate everyone whose talent and dedication have played a vital role in our success this academic year. I am proud to share with you some of our key accomplishments and initiatives that have further solidified our position as a leading institution of higher learning.



I am particularly proud to highlight a ground-breaking collaboration between NIT Tiruchirappalli and IISc Bangalore, as part of the Ministry of Jal Shakti's initiative for basin management of six major rivers. Our two institutions have been jointly entrusted with the crucial task of managing the Cauvery Basin, a project that symbolizes the unity of Tamil Nadu and Karnataka in addressing vital water resource challenges. This partnership has already yielded significant results, with the inauguration of the Centre for Condition Assessment and Management Plan (CAMP) for the Cauvery river basin at our Department of Civil Engineering in March 2024. This centre marks a new chapter in our shared commitment to sustainable water resource management and demonstrates how academic institutions can lead the way in solving complex environmental issues. It is especially fitting that we celebrate this collaboration today in the presence of our esteemed Chief Guest, Prof. Govindan Rangarajan, whose institution has been our valued partner in this endeavour.

Academic Excellence and NEP Implementation

Our dedication to academic excellence continues to be recognized nationally and internationally. I am delighted to report that NIT Tiruchirappalli has maintained its position as the top-ranked NIT in the country. In the NIRF 2024 rankings, we continue to be among the top 10 engineering colleges in the country, securing the 9th position among engineering colleges and the 31st position among all higher education institutes in India. Our specific discipline rankings are equally impressive, with our Architecture department securing the 8th position and Management Studies securing the 51st position. The Hon'ble Governor of Tamil Nadu recognized our consistently impressive performance in the NIRF rankings, felicitating our institute at the Conclave for Excellence in Higher Education in Tamil Nadu held in August 2024.

On the global stage, we have made significant strides in the QS World University Rankings 2025, moving up to the 701-710 band. In the Material Sciences, our achievements have been particularly noteworthy, with the subject ranking in the 401-550 range globally. Three other departments of our institute have also been recognized by the QS subject rankings, with Mechanical Engineering featuring in the 501-575 range, Electrical and Electronics Engineering featuring in the 501-550 range and Computer Science and Information Systems featuring in the 751-850 range globally. These achievements reflect the collective efforts of our faculty, students, and staff in pushing the boundaries of knowledge and innovation.

As we continue to align our educational practices with the National Education Policy 2020, I am pleased to report significant progress in implementing key initiatives at NIT Tiruchirappalli. A major milestone this year was the launch of our Integrated Teacher Education Programme (ITEP). With approval from the National Council for Teacher Education, we welcomed our first batch of 50 students to the B.Sc. B.Ed. program in Mathematics, Physics, and Chemistry. This innovative program, inaugurated on October 1, 2024, represents our commitment to nurturing the next generation of educators.

We have also made substantial strides in implementing a flexible curriculum based on NEP 2020 and the National Credit Framework. Our multiple entry and exit options now allow B.Tech. students to exit after three years with a B.Sc. (Engineering) degree, while M.Tech. students have a one-year exit option with an M.Sc. (Engineering) degree.

Furthermore, we have successfully integrated the Academic Bank of Credits (ABC) system, with 9,809 students (including those who have graduated) now holding ABC IDs. This system, along with the implementation of APAAR (Automated Permanent Academic Account Registry), has significantly enhanced student mobility and streamlined credit transfer processes. These initiatives not only provide our students with greater flexibility in their academic journey but also align us more closely with the vision of NEP 2020 for a more adaptive and inclusive education system.

Our student strength continues to grow, reflecting the trust placed in our institution. We currently have a total of 7,199 students across various programs. At the 20th convocation held last year, we graduated a total of 2173 students, the highest number of annual graduands in the history of NIT Tiruchirappalli. This diverse student body enriches our campus life and fosters a vibrant learning environment.

Faculty Accomplishments: Research and Innovation

Research remains at the heart of our institution's mission. Our research output has remained consistently high in quantity and quality. In the calendar year 2024, we published 1,361 research papers, with 75.78% publications in Q1 and Q2 journals, and a citation count of 44,667. This represents a significant improvement from previous years and demonstrates our faculty's commitment to producing high-impact research. Furthermore, we published 18 patents and were granted 23 patents in 2024. We have also made remarkable progress in sponsored projects and consultancy. Our institute has secured sponsored projects worth ₹17.29 crores and consultancy projects amounting to ₹5.21 crores. These figures not only represent substantial financial resources for research but also highlight the trust industry and government agencies place in our expertise.

The institute's commitment to knowledge dissemination and skill enhancement was evident through the organization of 49 workshops and training programmes in the past academic year, sponsored by prestigious bodies such as SERB, NRIDA, GIAN, BIS, DST, ATAL, and SPARC, along with self-supported initiatives, showcasing our dedication to continuous learning and professional development. I am also delighted to announce that NIT Tiruchirappalli will be spearheading a research project under the Partnerships for Accelerated Innovation and Research (PAIR) program as the hub institution. We have presented a proposal, titled "Transforming Waste into Hydrogen Energy and Building Climate-Resilient Cities through Sustainable Practices," with a proposed budget of 100 crores, to be carried out in collaboration with the spoke institutions Madurai Kamaraj University, Punjabi University, and Puducherry Technological University. This initiative exemplifies our commitment to addressing pressing environmental challenges through collaborative, innovative research.

Industry Collaboration and Entrepreneurship

In February 2025, we launched the NITT Research and Innovation Hub (NITRIH) – an ecosystem to promote innovation, research, and entrepreneurship, to provide a formal platform for alumni-student mentorship, to promote a start-up ecosystem, and grow industry-led projects. The NITRIH comprises five verticals: Educate, Ideate, Innovate, Incubate, and Accelerate, integrating existing facilities and proposing new infrastructure to support our innovation ecosystem.

We continue to strengthen our ties with industry partners through several new MoUs. Some of our notable collaborations include those with Illinois Institute of Technology (Chicago), National Chung Cheng University (Taiwan), Bharat Petroleum Corporation Limited, and the Telecommunications Consultants India Limited (under the Ministry of Communications). We have also partnered with the Indian Institute of Science and the Power Grid Corporation of India Limited for a three-year project.

Furthermore, a tripartite collaboration between IIITDM Kancheepuram, IIM Trichy, and our institution has been formed under the Ministry of Education's Capacity Building on Design and Entrepreneurship (CBDE) program. This initiative, funded with nearly ₹1 crore, aims to enhance faculty and HEI capabilities in innovation, design thinking, and entrepreneurship, fostering a creative transformation in education by promoting design-oriented and entrepreneurial mindsets. These partnerships reflect our commitment to fostering industry-academia collaboration and enhancing our students' exposure to real-world challenges and opportunities.

Infrastructure Development

We are continuously improving our campus infrastructure to provide the best possible facilities for our students and faculty. The new annex buildings for various departments, including Production Engineering, Mechanical Engineering & Metallurgical and Materials Engineering, Electrical and Electronics Engineering, Instrumentation and Control Engineering, and Civil Engineering, are nearing completion. These facilities will significantly enhance our research and teaching capabilities. I am also pleased to announce that we recently inaugurated a new Football Turf with G2 Grass, providing our students with world-class sports facilities. This addition to our campus not only promotes physical fitness but also encourages teamwork and sportsmanship among our students.

Student Achievements and Activities

Our students continue to excel in various fields. Ms. Vaishnavi Maheshwari, a third-year B.Tech. student from the Department of Metallurgical and Materials Engineering, has been awarded the prestigious Palantir Global Future Scholarship (2024) of \$7,000. This achievement reflects the calibre of our students and their potential to make significant contributions to their fields.

Our students have also shown exceptional performance in sports. NIT Tiruchirappalli emerged victorious in all four divisions – Kabaddi Men & Women, Badminton Men & Women – at the All India Inter NIT Tournament held in January 2025. Our girls' volleyball team secured the first place in the NIFTEM, Thanjavur, Inter Collegiate Tournament held in December 2024. This success demonstrates the all-round development we strive to provide our students. In the competitive sporting events held as part of Sports Fete 2024, the Department of Production Engineering emerged as the overall winner, with the Department of Mechanical Engineering taking the runner-up position. The Departments of Electronics and Communication Engineering and Civil Engineering shared the second runners-up spot.

The vibrancy of our campus life is evident in the numerous events organized by our students. The 50th edition of Festember, our cultural festival, was a grand success with the theme "Deccan Odyssey," attracting over 10,000 participants. Pragyan, our techno-managerial festival, continued its tradition of social impact through initiatives like "Bag of Delight," benefiting over 500 government school students. The 32nd edition of NITTFEST, our annual inter-departmental cultural extravaganza, took place last week, featuring over 80 events and showcasing the talents of our vibrant student community across various artistic and cultural domains.

Alumni Engagement and Contributions

The alumni of NIT Tiruchirappalli continue to be a source of immense pride and support for the institution. The Distinguished Alumni Awards for 2024 recognized 12 outstanding alumni for their achievements in various fields. The Global Alumni Meet (GAM) in January 2025 saw over 1,300 alumni participating, featuring distinguished guests such as N. Chandrasekaran, Chairperson of the Tata Group, Dr. Palanivel Thiagarajan, Minister for IT & Digital Services, Tamil Nadu, and Gopi Kallayil, Chief Business Strategist for AI at Google. Additionally, the Diamond Jubilee Friendship Reunion marked the 60th anniversary of the first batch's enrolment, bringing together alumni from 1964. The batch made a generous donation to the REC Middle School, while reflecting on the lasting impact of their college experiences.

The generous contributions from alumni have been instrumental in the institute's growth. The Class of 1974 contributed ₹1.15 Crore during their Golden Jubilee reunion, while the Classes of 1999 (Engineering) and 2000 (Architecture) raised ₹45 lakhs for campus development and launched the Dare2Dream initiative with a ₹50 lakh venture capital fund. The 1978 batch awarded individual scholarships of Rs 50,000 to six meritorious B.Tech. students from disadvantaged backgrounds. The contributions of our alumni, both in terms of expertise and financial support, have been instrumental in the growth of NIT Tiruchirappalli.

I am thrilled to announce a development that will further enhance our ability to garner support for our institution. NIT Tiruchirappalli has received a certificate of exemption from income tax authorities under section 80G. This certification means that donors are now eligible for 100% tax exemption on their contributions to our institute. Furthermore, this certificate enables us to receive funds under Corporate Social Responsibility (CSR) activities from corporates and industries. This new status recognizes our commitment to excellence and also provides an excellent opportunity for our alumni, corporate partners, and well-wishers to make a lasting impact on our institution while enjoying significant tax benefits. We invite you to consider supporting NIT Tiruchirappalli's mission of nurturing talent and driving innovation, knowing that your contribution will now go even further in shaping the future of our students and our nation.

Other Achievements and Conclusion

Before I conclude, I would like to spotlight a few noteworthy achievements.

The Skill Hub Centre at NIT Tiruchirappalli, established under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) 4.0 scheme, has successfully trained 430 students in various skill-based courses such as Junior Software Developer, VLSI Design Engineer, Office Assistant, and Security Guard over the past two academic years. The centre celebrated the graduation of 230 students in June 2024, and has been instrumental in empowering rural communities, promoting gender inclusivity, and fostering a more equitable society by providing industry-relevant skill training to youth from Tiruchirappalli and nearby districts.

Our faculty and researchers have achieved remarkable success at recent national events. At InvenTiv 2025, the R&D fair held recently at IIT Madras, our institute was recognized for its cutting-edge research, with five innovative exhibits shortlisted for presentation. These projects reflect our commitment to advancing technology, fostering sustainable solutions, and addressing real-world challenges. Our participation in InvenTiv 2025 underscores the strength of our research ecosystem and provides a platform for collaboration, knowledge exchange, and potential technology transfers. Additionally, Mr. Saravanan Gurusamy, a Ph.D. scholar from Civil Engineering, received the Best Poster Award at the PMRF Symposium 2025 at IIT Hyderabad for his work on environmental and economic assessment of landfill mining. These accomplishments demonstrate our institute's commitment to cutting-edge research and sustainable solutions, further solidifying our position as a leader in innovation.

Researchers from the CSE department, NIT Tiruchirappalli, have developed an innovative educational gaming app called "Bully Ind" to combat cyberbullying among school students. Funded by the DST ANRF (Anusandhan National Research Foundation) under the Start-up Research Grant scheme, the app aims to empower students in the fight against online harassment. With plans for broader implementation, Bully Ind represents a significant step forward in using technology to create safer digital environments for young people.

Furthermore, as a member of the Town Official Language Implementation Committee (TOLIC), Tiruchirappalli, under the Department of Official Language (OL), Ministry of Home Affairs, Govt, NIT Tiruchirappalli was recognized for its commitment and excellence in Official Language Implementation. Our institute was honoured with the "Rajbhasha Ratna" title and awarded the Rajbhasha Shield 2024.

As we celebrate our accomplishments today, let us also look forward with ambition and determination to the challenges and opportunities that lie ahead. We stand at the cusp of a new era in higher education, one that demands innovation, adaptability, and a commitment to excellence. I am confident that with our collective efforts, NIT Tiruchirappalli will continue to rise to these challenges, setting new benchmarks in education, research, and societal impact.

I express my heartfelt gratitude to all faculty members, staff, students, and alumni for your unwavering support and dedication. Let us make the coming year even more successful and rewarding.

Jai Hind!

Dr. G. Aghila

Director

National Institute of Technology, Tiruchirappalli

March 2025

INSTITUTE ADMINISTRATION

Director	Dr. G. Aghila
Dean (Academic)	Dr. S. T. Ramesh
Dean (P&D)	Dr. K. Baskar
Dean (SW)	Dr. R. Karvembu
Dean (FW)	Dr. N. Kumaresan
Dean (R&C)	Dr. V. Sankaranarayanan
Dean (ID & AR)	Dr. G. Uma
Registrar	Dr. S. A. Senthil Kumar
Chief Vigilance Officer	Dr. P. Palanisamy
Chairman (SC / ST cell; OBC / PwD and Minorities cell)	Dr. M. Punniyamoorthy
HoD / Architecture	Dr. K. Prem Kumar
HoD / Chemical Engineering	Dr. M. Arivazhagan
HoD / Chemistry	Dr. V. M. Biju
HoD / Civil Engineering	Dr. K. Muthukkumaran
HoD / Computer Applications	Dr. S. Domnic
HoD / Computer Science and Engineering	Dr. Kunwar Singh
HoD / Electrical and Electronics Engineering	Dr. Sishaj P Simon
HoD / Electronics and Communication Engineering	Dr. M. Bhaskar
HoD (i/c) / Energy and Environment	Dr. Muthukumar K
HoD / Humanities and Social Sciences	Dr. R. Murugesan
HoD / Instrumentation and Control Engineering	Dr. K. Srinivasan
HoD / Management Studies	Dr. B. Senthil Arasu
HoD / Mathematics	Dr. V. Kumaran
HoD / Mechanical Engineering	Dr. S. Suresh
HoD / Metallurgical and Materials Engineering	Dr. S. Muthukumaran
HoD / Physics	Dr. R. Justin Joseyphus
HoD / Production Engineering	Dr. Parthiban P
HoD / Training and Placement	Dr. A.K. Bakthavatsalam
HoD / Computer Support Group	Dr. N. Sivakumaran
Associate Dean (Academic / UG - I)	Dr. Vamsinadh Thota
Associate Dean (Academic / UG - II)	Dr. G. Thavasi Raja
Associate Dean (Academic / PG)	Dr. Vineet Kumar Yadav
Associate Dean (Academic / MS & Ph.D.)	Dr. Shelas Sathyan
Associate Dean (Academic)	Dr. Laiju A.R.
Associate Dean Civil (Infrastructure)	Dr. D. Kannamma
Associate Dean Civil (EMD)	Dr. Jeevan Joseph
Associate Dean (Electrical)	Dr. Karthik Thirumala
Associate Dean (Procurement)	Dr. D. Nagarajan
Associate Dean (Students Welfare / Girls)	Dr. V. Nagajyothi
Associate Dean (Students Welfare)	Dr. Jitraj Saha
Associate Dean (Faculty Welfare)	Dr. S. Marisamynathan
Associate Dean (Research and Consultancy)	Dr. Ing Prince Gideon Kubendran
	Amos
Associate Dean (Industry Interaction and Outreach)	Dr. V. Mariappan
Associate Dean (Industry and R&D Collaboration)	Dr. Sarthak Mandal
Associate Dean (Alumni Relations)	Dr. Shobitha Poulse
Associate Dean (International Relations)	Dr. S. Nivethitha
Associate Dean (Institute Development)	Dr. S. Jerome
Chief Warden	Dr. K. Thirumaran
Hostel Convener	Dr. Karthikeyan S.S

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A REPORT ON ACHIEVEMENTS

BY
DEAN (ACADEMIC)

A warm and sincere welcome!

Esteemed Chief Guest, Professor Govindan Rangarajan, Director, Indian Institute of Science, Bengaluru; Professor G. Aghila, Director; esteemed Deans, Heads of Departments, Registrar, faculty, alumni, staff, students, and distinguished guests,

It is my profound pleasure to extend a warm welcome to each of you on the occasion of the Institute Day celebration at the National Institute of Technology, Tiruchirappalli. Today, we gather to commemorate this significant event and to acknowledge the remarkable contributions of NIT Tiruchirappalli to academia and research. It is truly gratifying to witness our enduring tradition of excellence not only being upheld but also reaching new heights. I extend my sincere appreciation to all stakeholders whose invaluable efforts continue to elevate our institution's teaching and learning to a global standard.

I am pleased to report that our institution has incorporated key aspects of the National Education Policy (NEP) and, in adherence to its principles, has implemented multiple exit options across various programs to enhance flexibility for students. Additionally, our institution offers courses in the Indian language (Tamil) and has introduced programs on the Indian Knowledge System. Furthermore, student admissions are conducted through national-level entrance examinations, ensuring a standardized and inclusive selection process.

It is now my privilege to present a report on the accomplishments and milestones of our institution.

2024 Convocation

The Convocation for the Class of 2024 was held on August 3, 2024. We had the honor of welcoming Dr. N. Kalaiselvi, Director General of CSIR and Secretary, DSIR, as the Chief Guest to deliver the Convocation Address. During the 20th Convocation, degrees were conferred upon 2,173 graduates, marking the highest number in the history of NIT Tiruchirappalli. The graduating cohort included 53 B.Arch., 1,054 B.Tech., 25 M.Arch., 523 M.Tech., 88 M.Sc., 113 MCA, 87 MBA, 22 M.A., 11 M.S. (by Research) students, and 197 doctoral candidates. Department-wise significant contributions by the faculty and students

Department of Architecture

Emphasizing sustainability and advanced building technologies, the Department of Architecture has made significant contributions to research and industry collaboration. The department published 16 journal articles, garnering 61 citations in Scopus, and presented seven papers at international conferences. Research and industry engagement were further strengthened through a sponsored project valued at ₹10 lakh and a consultancy project worth ₹96 lakh. Additionally, the department actively organized 21 technical events, including workshops, seminars, and the flagship event "Archcult." Committed to excellence, the department continues to nurture future architects through experiential learning and research-driven design.

Department of Chemical Engineering

The department has demonstrated significant academic and research contributions, publishing 60 journal articles with a total of 5,568 Scopus citations. It successfully secured six sponsored projects amounting to ₹107.45 lakh and actively participated in 30 national and

international conferences. Additionally, the department enriched academic literature through 15 book chapters and organized five technical workshops. Faculty and students actively engaged in scholarly activities by attending multiple seminars, delivering 28 guest lectures, and receiving four international fellowships.

Department of Chemistry

The Department of Chemistry hosted the Diamond Jubilee Seminar, featuring Dr. Damien Vandembroucq, Director of PMMH, CNRS, France, as the distinguished speaker. The department's faculty demonstrated remarkable research output, publishing 93 journal articles and accumulating 15,944 Scopus citations. Faculty members also organized seminars, participated in numerous conferences, and delivered 39 guest lectures. With the successful graduation of nine Ph.D. scholars and ongoing advancements in research collaborations, the department continues to make significant contributions to both fundamental and applied chemistry.

Department of Civil Engineering

The Department of Civil Engineering successfully organized the 14th Structural Engineering Convention, focusing on resilient structures. Demonstrating excellence in research, the department published 90 journal articles and accumulated 3,321 Scopus citations. It secured six sponsored projects valued at ₹980.38 lakh and completed 258 consultancy projects amounting to ₹259.82 lakh. Additionally, the department was granted two patents, organized multiple technical events, and delivered 42 guest lectures. With the successful graduation of eleven Ph.D. scholars and significant research contributions, the department continues to lead in infrastructure development and advancements in civil engineering.

Department of Computer Applications

The department has made significant academic contributions by publishing 54 research articles and seven book chapters. It has secured a sponsored project valued at ₹21 lakh and successfully obtained a patent. The faculty has been actively involved in knowledge dissemination through the delivery of 30 lectures and the organization of four guest lectures.

Department of Computer Science Engineering

The department has demonstrated significant research contributions by publishing 60 indexed papers and presenting nine papers at international conferences, with a research impact reflected in 494 Scopus citations. Faculty and students have received prestigious awards, including international travel grants, and have contributed to technological advancements through consultancy projects and patents. Additionally, the department actively organized various technical events, including workshops, guest lectures, certification courses, and its flagship technical symposium, Vortex.

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering achieved a QS World University Ranking of 501-550 in the 2025 subject rankings. Additionally, the B.Tech. program has been accredited by the National Board of Accreditation (NBA) for six years, reflecting its commitment to academic excellence. The department has demonstrated strong research output, publishing 50 journal articles and accumulating 2,872 Scopus citations. It has secured four sponsored projects valued at ₹200.64 lakh and one consultancy project worth ₹5.9 lakh. Further enhancing its contributions to technological advancements, the department was granted four patents, organized multiple workshops, and delivered 40 guest lectures.

Department of Electronics and Communications Engineering

The Department of Electronics and Communication Engineering has demonstrated significant research excellence, publishing 76 journal articles and securing 2,564 Scopus citations. It successfully obtained six sponsored projects valued at ₹478.76 lakh and was granted two patents. The department also organized five workshops, delivered 45 guest lectures, and procured 46 new equipment units to enhance research and academic infrastructure. With the successful graduation of 14 Ph.D. scholars and active participation in conferences, the department continues to advance research and innovation in electronics and communication engineering.

Department of Energy and Environment

The Department of Energy and Environment has made significant research contributions, publishing 14 journal articles and securing 424 Scopus citations. It successfully executed four sponsored projects amounting to ₹52.35 lakh and provided consultancy services for 92 samples. Additionally, the department was granted one patent and organized a Karyashala workshop, further reinforcing its commitment to innovation in sustainable energy and environmental solutions.

Department of Humanities and Social Sciences

The Department of Humanities and Social Sciences has demonstrated significant academic and research achievements, publishing 48 journal articles and securing 210 Scopus citations. It successfully completed three sponsored projects valued at ₹86 lakh and actively contributed to academic discourse through conferences, workshops, and guest lectures. With a strong emphasis on interdisciplinary research and innovative pedagogy, the department organized a one-day conclave on Integrating Humanities into STEM in S&T Institutes: Suggestions from NEP 2020. Additionally, the department celebrated the successful graduation of nine Ph.D. scholars, further strengthening its academic contributions.

Department of Instrumentation and Control Engineering

The Department of Instrumentation and Control Engineering has made significant research contributions, publishing 28 journal articles and receiving 1,656 research citations. It successfully secured two sponsored projects amounting to ₹90.34 lakh and one consultancy project valued at ₹20.06 lakh. Notably, the department was awarded a prestigious ₹145 lakh grant under the DST-FIST scheme for the development of the Centre for Agricultural Robotics. Additionally, the department actively organized six technical events, participated in 20 conferences, and facilitated 28 international conference presentations. Further expanding its academic offerings, the department will introduce a Postgraduate Diploma in Healthcare Technology beginning in the academic year 2025–26.

Department of Management Studies

The Department of Management Studies continues to demonstrate excellence in education, research, and consultancy. The department has published 38 journal articles, secured two sponsored projects amounting to ₹11 lakh, and successfully completed a consultancy project valued at ₹5 lakh. Additionally, it organized three workshops and procured 13 new equipment items to enhance academic and research capabilities. Notable events included the Advanced Management Development Program (MDP) on Women's Business Leadership and the INACON 2024 panel discussion on Sustainable Leadership.

Department of Mathematics

The department has demonstrated significant academic and research contributions, publishing 38 journal articles and receiving 1,329 Scopus citations. It successfully secured a sponsored project valued at ₹32.8 lakh. Faculty members further enriched academic discourse by publishing a book and a book chapter, organizing a workshop, and actively participating in multiple conferences and seminars. Additionally, the department enhanced its research infrastructure by procuring 21 new equipment items and celebrated the successful graduation of eight Ph.D. scholars.

Department of Mechanical Engineering

The Department of Mechanical Engineering has maintained its position in the QS World Rankings, securing a ranking of 501-575 for the seventh consecutive year. Additionally, it has earned National Board of Accreditation (NBA) accreditation for five years, reflecting its commitment to academic excellence. The department has demonstrated significant research contributions, publishing 50 journal articles and accumulating 5,809 Scopus citations. It has successfully secured nine sponsored projects amounting to ₹287.5 lakh and completed four consultancy projects valued at ₹18.4 lakh. Further enhancing its impact, the department was granted nine patents, organized 29 workshops and 10 seminars, and delivered 22 guest lectures. With 13 Ph.D. graduates and active international collaborations, the department continues to excel in research, innovation, and industry engagement.

Department of Metallurgical and Materials Engineering

The Department of Metallurgical and Materials Engineering has demonstrated significant academic and research excellence, publishing 19 journal articles and securing 19,248 citations. It successfully obtained three sponsored projects amounting to ₹108 lakh and was granted two patents. Additionally, the department actively organized multiple technical events to foster knowledge dissemination and industry engagement. Notably, the undergraduate program received a six-year accreditation from the National Board of Accreditation (NBA), underscoring the department's commitment to academic quality and excellence.

Department of Physics

The Department of Physics continues to demonstrate excellence in research and education. The department has published 110 journal articles, accumulating 4,524 research citations. It has secured two sponsored projects totaling ₹130 lakh and established new research facilities with funding from DRDO, DST, and CSIR. Additionally, the department organized multiple technical events, including guest lectures by eminent scientists, and had the honor of hosting a lecture by Nobel Laureate Pierre Agostini. The department also celebrated the successful graduation of eighteen Ph.D. scholars, further strengthening its contributions to scientific advancement.

Department of Production Engineering

The Department of Production Engineering has demonstrated significant research contributions, publishing 85 journal articles and securing 6,291 Scopus citations. The department successfully obtained two patents and published two additional patents. It has completed multiple sponsored projects totaling over ₹171 lakh and actively organized technical events, including an ANRF-SERB Hybrid Workshop on Advanced Materials for Healthcare and Defense Applications. Additionally, the department celebrated the successful graduation of nine Ph.D. scholars, further strengthening its academic and research excellence.

Training and Placement

The Department of Training and Placement successfully facilitated student placements, achieving an 80% placement rate despite global economic challenges. In a significant initiative, NIT, Tiruchirappalli hosted the first-ever All NITs Training and Placement Conclave, bringing together Training and Placement Heads from 21 NITs to foster collaboration and best practices.

Additionally, I am pleased to report that a Memorandum of Agreement was signed in New Delhi to establish Centres for Cauvery River Basin Management Studies in Karnataka and Tamil Nadu. This agreement, involving the Ministry of Jal Shakti, IIT Kanpur, IISc Bangalore, and NIT, Tiruchirappalli, aims to develop a comprehensive Cauvery River Basin Condition Assessment & Management Plan, reinforcing our institution's commitment to impactful research and sustainable water resource management.

Students' and Other related activities

Our flagship cultural festival, Festember, and our ISO-certified technical festival, Pragyan, were celebrated with their characteristic vibrancy and enthusiasm. These events served as a platform for students, artists, and innovators, fostering a dynamic convergence of culture, technology, and talent.

Festember 2024, themed Deccan Odyssey, captivated audiences with a diverse array of performances and engaging events. The festival's Pop Nite featured the soulful melodies of Karthik and the dynamic presence of Jo Aggarwal, while The Lost Fireflies enthralled the audience with their electrifying beats. The excitement continued with EDM Nite, where DJ Holy C kept the energy high, creating an unforgettable experience for all attendees.

Pragyan, the annual techno-management fest of NIT, Tiruchirappalli, unfolded over four dynamic days, centered around the theme "Panoptica: Break The Code." The event featured an impressive lineup of guest lectures, thought-provoking discussions, and captivating performances. Distinguished speakers, including Dr. Anbuthambi, Dr. Velumani, and Mr. Anil Swarup, delivered insightful talks, enriching the intellectual experience.

The festival's evenings showcased artistic brilliance, highlighted by two electrifying proshows—Mysore Express delivered a high-energy performance, while Antara Mitra captivated the audience with her soulful melodies. Additionally, NITTFEST commenced with great enthusiasm, and we had the honor of hosting renowned film director Mr. Elan, adding to the vibrancy of the celebrations.

The Student Centre for Innovation in Engineering and Technology (SCIEnT), a 24/7 innovation laboratory, led several key initiatives, including TransfiNITte, an in-house hackathon designed to foster technological innovation. Additionally, the center organized Open Day, a campus-wide outreach event that provided students with an interactive, one-day immersive experience, showcasing the institution's commitment to experiential learning and innovation.

NIT, Tiruchirappalli achieved outstanding success in the All India Inter-NIT sports tournaments, securing top positions across multiple events. I am pleased to report that our institution emerged victorious in the All India Inter-NIT Kabaddi and Badminton tournaments, competing against 25 NITs and IEST Shibpur.

Additionally, the Sports Fete Marathon witnessed an overwhelming response, with over 3,500 students participating under the theme "Tobacco-Free Campus," reinforcing our commitment to health and well-being. Our students also showcased their sporting excellence at the All India Inter-NIT Cricket and Chess Tournament held at NIT Silchar, securing the overall third position.

NIT, Tiruchirappalli has consistently demonstrated its commitment to women's empowerment. In commemoration of International Women's Day, the Women's Cell organized a vibrant celebration, highlighting the institution's dedication to fostering an inclusive and supportive environment.

Additionally, in collaboration with the Department of Science and Technology's SEED program, NIT, Tiruchirappalli conducted a five-day workshop titled "Empowering Women in Business with Practical Skills: Training on Thirumathikart Application," aimed at equipping women entrepreneurs with essential business and technological competencies.

This year, Bharatiya Bhasha Utsav was celebrated under the theme "Unity through Languages," emphasizing the significance of linguistic diversity and cultural harmony. Subramania Bharati Jayanti was commemorated as part of the Bharatiya Bhasha Utsav at NIT Tiruchirappalli, honoring the rich heritage of Indian languages and their unifying power.

Additionally, NIT Tiruchirappalli inaugurated a two-day Sensitization Programme on Learning Disabilities, aimed at fostering awareness and enhancing support for students with learning disabilities, reinforcing the institution's commitment to inclusive education.

I extend my sincere congratulations to all faculty members and students receiving medals and awards today in recognition of their outstanding achievements. Your dedication and commitment have been instrumental in upholding NIT, Tiruchirappalli's legacy of academic excellence.

As we reflect on the remarkable achievements of the past year, it is evident that NIT, Tiruchirappalli continues to uphold its legacy of academic excellence, research innovation, and holistic development. From securing prestigious rankings and accreditations to groundbreaking research contributions, successful industry collaborations, and vibrant cultural and technical festivals, our institution has made significant strides across all domains. The dedication of our faculty, students, and staff has been instrumental in these accomplishments, whether in pioneering research, fostering inclusivity, excelling in sports, or championing women's empowerment. Our commitment to sustainability, interdisciplinary learning, and global engagement remains unwavering. With the steadfast leadership of our Director and the collective efforts of our stakeholders, I am confident that NIT Tiruchirappalli will continue to set new benchmarks in education, research, and innovation.

Let us move forward with renewed enthusiasm, working together to shape NIT, Tiruchirappalli into a globally renowned hub of knowledge, excellence, and transformative impact.

Jai Hind!

Dr. S. T. Ramesh

Dean (Academic)

National Institute of Technology, Tiruchirappalli.

ACCOLADES 2024-25

- India Rankings 2024 by NIRF- National Institutional Ranking Framework**

NIT Tiruchirappalli has been ranked first among all the NITs and 9th among all the technical institutes, 31st Among all Higher education institutes, 31st in Research Category, 8th Best in Architecture, and 51st in Management in the country by the NIRF 2024 ranking system.

NIRF Task Force co-ordinated to achieve the recognition.





Ministry of Education
Government of India

INDIA RANKINGS 2024
National Institutional Ranking Framework



Engineering

Indian Institute of Technology Madras	1
Indian Institute of Technology Delhi	2
Indian Institute of Technology Bombay	3
Indian Institute of Technology Kanpur	4
Indian Institute of Technology Kharagpur	5
Indian Institute of Technology Roorkee	6
Indian Institute of Technology Guwahati	7
Indian Institute of Technology Hyderabad	8
National Institute of Technology Tiruchirappalli	9
Indian Institute of Technology (Banaras Hindu University) Varanasi	10

QS Rankings 2025

- #701-710 : QS World University Ranking
 #=76 : Asian University Rankings - Southern Asia
 #1141-1160 : QS Sustainability Ranking

QS World University Rankings by Subject

- #401 – 550 : **Materials Sciences:** Department of Metallurgical and Materials Engineering, Physics, and Chemistry contributed to achieve this recognition.
- #501 – 550 : **Engineering- Electrical and Electronic:** Departments of Electrical and Electronics Engineering and Electronics and Communication Engineering contributed to achieve this recognition.
- #501 – 575 : **Engineering- Mechanical:** Departments of Mechanical Engineering and Production Engineering contributed to achieve this recognition.
- #751 – 850 : **Computer Science and Information Systems:** Departments of Computer Science and Engineering and Computer Applications contributed to achieve this recognition.

NIRF Task Force and QS Ranking Team co-ordinated to achieve the recognition.

Performance of the Departments

Scholarly Output, Book Chapters and Conference Proceedings indexed in Scopus Database: CY: 2024

S. No.	Name of the Department	Scholarly Output	Articles and Reviews	Books and book chapters	Conference papers
1.	Architecture	23	14	6	3
2.	Chemical Engineering	69	60	8	1
3.	Chemistry	105	93	8	2
4.	Civil Engineering	122	90	3	27
5.	Computer Applications	81	54	3	22
6.	Computer Science Engineering	108	60	5	41
7.	Electrical and Electronics Engineering	97	50	3	44
8.	Electronics and Communication Engineering	124	76	10	36
9.	Energy and Environment	18	14	3	1
10.	Humanities and Social Sciences	63	48	4	4
11.	Instrumentation and Control Engineering	39	28	-	11
12.	Management Studies	39	38	1	-
13.	Mathematics	43	38	-	2
14.	Mechanical Engineering	59	50	6	2
15.	Metallurgical and Materials Engineering	24	19	5	-
16.	Physics	77	72	3	2
17.	Production Engineering	122	85	26	8
National Institute of Technology, Tiruchirappalli		1374	1011	118	218

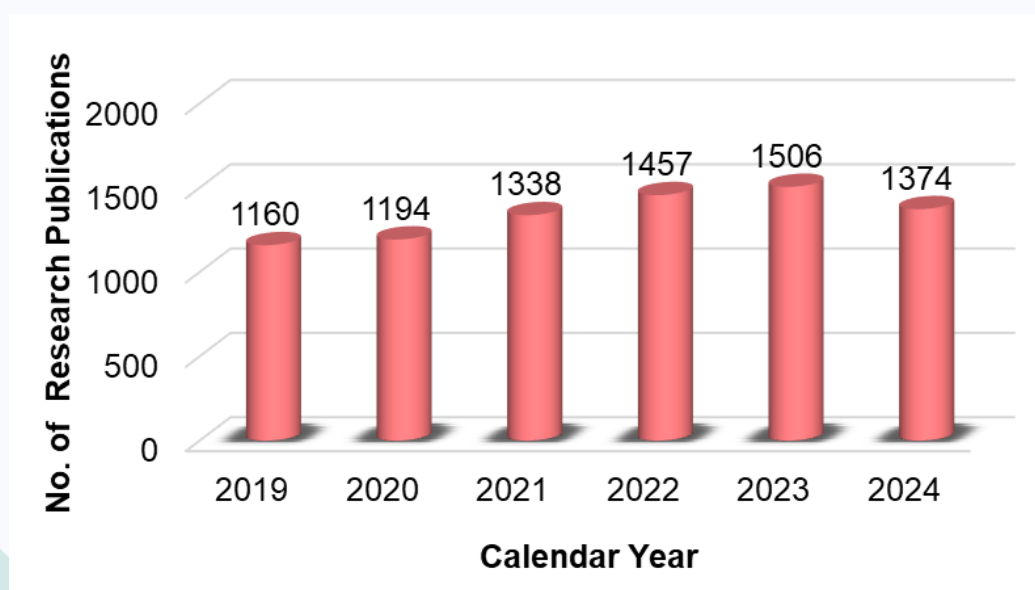
Publications in Journal Quartiles: CY:2024

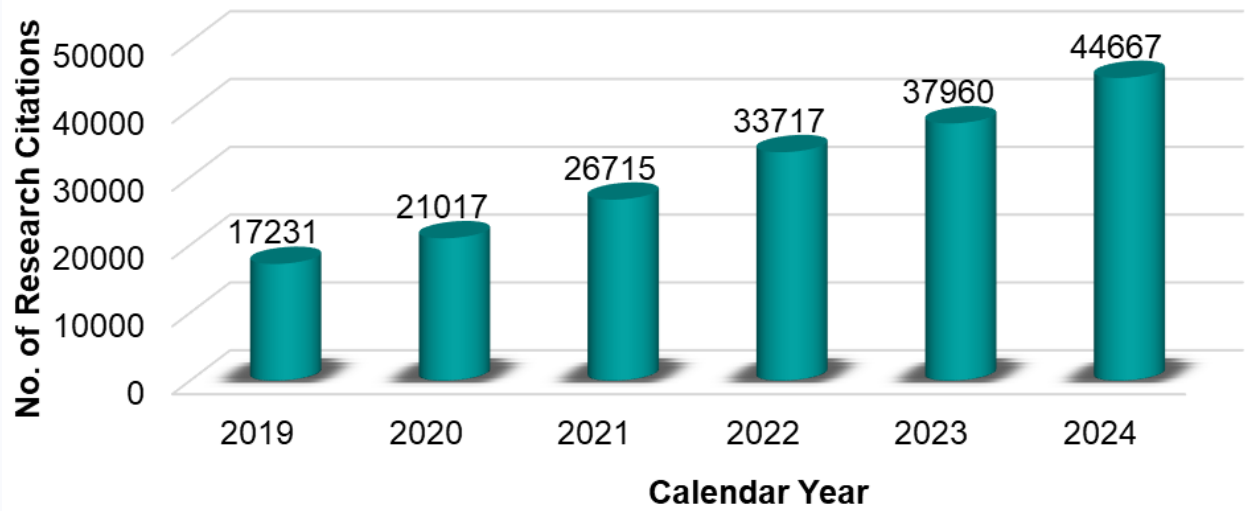
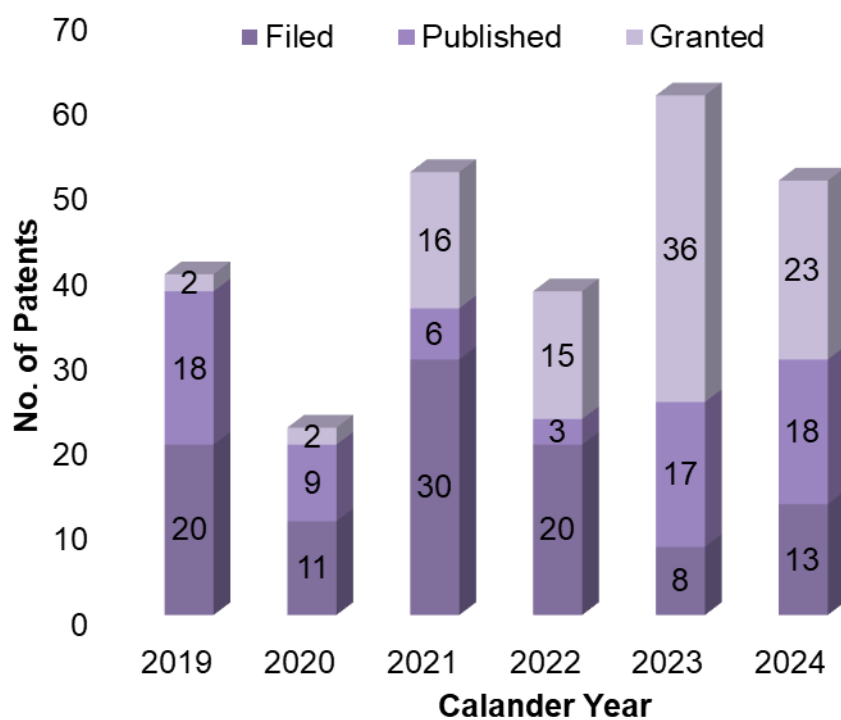
S. No.	Name of the Department	Publications			
		Q1	Q2	Q3	Q4
1.	Architecture	4	4	5	2
2.	Chemical Engineering	30	20	9	2
3.	Chemistry	50	34	12	0

4.	Civil Engineering	44	39	6	22
5.	Computer Applications	29	21	2	8
6.	Computer Science Engineering	25	28	8	16
7.	Electrical and Electronics Engineering	18	18	14	2
8.	Electronics and Communication Engineering	21	31	19	9
9.	Energy and Environment	6	7	1	1
10.	Humanities and Social Sciences	27	12	9	9
11.	Instrumentation and Control Engineering	7	12	7	4
12.	Management Studies	23	8	2	5
13.	Mathematics	11	20	7	4
14.	Mechanical Engineering	18	23	11	2
15.	Metallurgical and Materials Engineering	4	12	1	1
16.	Physics	26	38	5	1
17.	Production Engineering	27	38	23	12
National Institute of Technology, Tiruchirappalli		430	403	165	113

(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.

Research Publications



Research Citations**Patents**

Patents Granted: CY: 2024

Sl. No	Title of Invention	Inventors Name	Department	Application Number	Granted Date
1	A Process for sustainable synthesis of Biodiesel from Non-edible Hydnocarpus Wightiana biomass	Ramanathan Anand, Azhagu Uthayakumar, Muniyappan Dineshkumar, R Gopi	Mechanical Engineering	202441026522	22-11-2024
2	A Process for Synthesizing Hydrogen Rich Syngas by Tertiary Recycling of a Carbonaceous Waste	Ramanathan Anand, K Saravanan, Azhagu Uthayakumar	Mechanical Engineering	202441017760	30-09-2024
3	A Method for Predicting Flammability of Ternary Refrigerant Mixture, Ternary Refrigerant Mixtures & Method Thereof	Kruthiventi, S, S Harish, Kumma Nagarjuna	Mechanical Engineering	202441013157	07-10-2024
4	An Improved Method for Recycling Electronic Plastics Waste Using Bi-Metal Doped Catalyst	Ramanathan Anand, Azhagu Uthayakumar, Muniyappan Dineshkumar	Mechanical Engineering	202341058811	22-03-2024
5	A Testing System for Performing Vibro-Acoustic Analysis Testing of a Test Component	R. Prakash, AR. Veerappan, R Kiran Kumar Reddy, Pankaj Chaupal	Mechanical Engineering	202341058684	18-03-2024
6	A Cutting Tool	Krishnasamy sankaranarayansamy, Nallathambi sivashanmugam Sirukalathur Kaliyaperumal Selvam, Arasappan Rajeshkannan,	Mechanical Engineering	202341053143	26-04-2024
7	Flexible Heat Transfer Apparatus	Jaganathan. V .M, Kannan P, Suresh S, Khati Manish	Energy and Environment & Mechanical Engineering	202341036232	28-10-2024
8	ESIPT Based Fluorescent Turn-On Probe for Rapid Phosgene Detection with Strip Based Practical Application	S.Velmathi, WU. Shu Pao, Vijay Natarajan	Chemistry	202341017368	31-01-2024

9	A Device for Measurement of Bilirubin Concentration in Neonates and Method Thereof	R. Periyasamy, K. Vignesh Kumar	Instrumentation and Control Engineering	202341009414	12-08-2024
10	A Device for Measuring Shrinkage Stress in Soil and A Method Thereof	Jeevan Joseph, Prasanna Venkatesh, P. Gayathry	Civil Engineering	202241055780	22-05-2024
11	A system for regenerating airflow through a temperature-controlled storage device	Bakthavatsalam Kannappan, Harikumar Hareesh Krishnan, Meenakshi Priyadarsini, Kuzhikadan Ashin Kunnathu	Energy and Environment	202241054688	23-08-2024
12	Concentric Triple Chambered Microbial Desalination Cell	Samsudeen naina Mohammed, Kalaiselvi P Sandhya P	Chemical Engineering	202241050996	30.01.2024
13	System And Method for Designing Frequency Selective Surfaces Based on Multi-Cavity Substrate Integrated Waveguide	Singaravelu Raghavan, Varikuntla Krushna Kanth	Electronics and Communication Engineering	202141052237	02-02-2024
14	System for Thermal Response Enhancement of Phase Change Materials of Energy Storage and Method Thereof	Sivan Suresh, Srikanth Salyan	Mechanical Engineering	202041028529	22.03.2024
15	A Mold for casting pervious concrete and method thereof	K. Muthukkumaran, Umanath U	Civil Engineering	202041011873	22-01-2024
16	Method for extracting the I-V curve of the photovoltaic (PV) module	C. Nagamani, G. Saravana Ilango, B. Pradeep Kumar, M. Chakkarapani	Electrical and Electronics Engineering	201941037604	10-02-2024
17	Wireless Vehicle Monitoring System and Method Thereof	Leela Velusamy R, Guravaiah Koppala	Computer Science and Engineering	201841015328	30.10.2024
18	Natural fibre reinforced industrial safety helmet	K. Sankaranarayananasamy, Kenned Jack Joseph	Mechanical Engineering	201841000510	05-02-2024
19	Industrial helmet for welding fume expulsion and method thereof	S.P. Sivapirakasam, K. Harisivasri Phanindra, Vishnu.B.R	Mechanical Engineering	201741042166	05-02-2024

20	A Novel Flux Composition for The Stainless Steel Smaw Welding Electrodes	S.P. Sivapirakasam, Vishnu B R, Sreejith Mohan, R K Rajesh kannan	Mechanical Engineering	201741039032	12-02-2024
21	Durable, cost-effective and efficient membrane for harvesting drinking water from atmospheric air and methods thereof	S. Muthukumaran, G. Arthanareeswaran	Metallurgical and Materials Engineering-Chemical Engineering	201741039055	21-02-2024
22	Complex multiplier-based signal processing system and method thereof	G. Lakshminarayanan, X. Antony Xavier Glittas	Electronics and Communication Engineering	201741038399	06-03-2024
23	Drowning detection device	K. Srinivasan, Ajil Roy, Vijay R.	Instrumentation and Control Engineering	201741038209	04-03-2024

Patents Published: CY: 2024

Sl. No	Title of Invention	Inventors Name	Department	Application Number	Publication Date
1.	Frequency adaptation with fluidically switchable patch antenna	Karthikeyan Subramanian, Jeeva Durai Luke Carishma, Mettu Goutham Reddy,	Electronics and Communication Engineering	202441090200	29-11-2024
2.	A Method for sustainable recovery of Bio-Oil from Delonix regia seed pods	Ramanathan Anand, Muniyappan Dineshkumar, Pandiyar Lakshmanan	Mechanical Engineering	202441081770	01-11-2024
3.	A switching mechanism for a plurality of photovoltaic panels	Simon Sishaj P, N Sarath, Sundareswaran K, Nayak P Srinivasa Rao	Electrical and Electronics Engineering	202441066564	06-09-2024
4.	Carbon based composite thin film, preparation method and applications as electrode material	Mandal Sarthak, Kamalakshan Adithya	Chemistry	202441060947	16-08-2024

5.	An apparatus for mitigating liquefaction of a soil sample	Kasinathan Muthukkumaran, Datta Soumyajit, Das Rima	Civil Engineering	202441040566	31-05-2024
6.	A system and a method for measuring temperature using a thermocouple	Sohail Shiraz, A R Yashwanth, Singh Gopal, Nezami Md. Manzar	Instrumentation and Control Engineering	202441038478	24-05-2024
7.	A foundation for a lunar surface	Kasinathan Muthukkumaran, Thannasi Prabu, Indaram Venugopal	Civil Engineering	202441025201	12-04-2024
8.	A Photovoltaic System with Photovoltaic Panels Arranged in a cubicle structure	Simon Sishaj P, Nayak P Srinivasarao, Sundareswaran K, Prajapat Ajay Kumar, N Sarath	Electrical and Electronics Engineering	202441015197	15-03-2024
9.	A device for moving wearer's neck in a predefined orientation	Kaliaperumal Dhanalakshmi, Christo Raebel, Ganapathy Thenmozhi	Instrumentation and Control Engineering	202441011755	29-03-2024
10.	A transformer-less inverter for a photovoltaic source	Kumar Kuncham Sateesh, Agrawal Soniya, Sahoo Manoranjan	Electrical and Electronics Engineering	202441010352	15-03-2024
11.	Optimal temperature hybrid solar water heater	Bakthavatsalam Kannappan, H Hareesh Krishnan, Prakash Divyanshu	Energy and Environment	202341089947	23/08/2024
12.	A dual reference axis model for target localization in 3D space using AI based techniques	P J A Alphonse, K V Sriharsha	Computer Applications	202341074985	10/05/2024
13.	An artificial intelligence based (AI) system for imparting training to a user on material characterization	S. Muthukumaran, Prince Gideon Kubendran Amos	Metallurgical and Materials Engineering	202341017789	20/09/2024
14.	A solar steam generator	Sivapirakasam S P, Balasubramanian K R, Jinshah B S, Ravikumar Kottala,	Mechanical Engineering	202341003655	19/07/2024

		Divakar S, Peter John			
15.	A multi-functional rescue device	S. Muthukumaran	Metallurgical and Materials Engineering	202241068142	31/05/2024
16.	A convertible rescue device	S. Muthukumaran	Metallurgical and Materials Engineering	202241065743	17/05/2024
17.	A flood rescue system	S. Muthukumaran	Metallurgical and Materials Engineering	202241063427	10/05/2024
18.	A photonic crystal-based optical d flip-flop and optical SISO shift register device	R. K. Jeyachitra, E. G. Anagha	Electronics and Communication Engineering	202241055990	05/04/2024

Details of Sponsored projects: FY: 2024-25

S. No.	Name of PI/Co-PI	Department	Title of the Project	Funding Agency	Sanctioned amount (Rs.)
1	Dr. S. Velmathi	Chemistry	Development of Colorimetric on-off Receptors for Sensing Toxic Analytes in aqueous Medium	DRDO-CARS	9,94,000.00
2	Dr. N. Sivakumaran	Instrumentation and Control Engineering	"Indigenous Anaesthesia Depth monitoring system using Brain Monitoring Technology"	Indian Council of Medical Research - CDAC	15,56,680.00
3	Dr. M. C. Santhosh Kumar	Physics	INSPIRE FELLOWSHIP	INSPIRE DST	5,43,920.00
4	Dr. T. Ramesh	Mechanical Engineering	Additive manufacturing of Carbon allotropes-based Invar composite for Aerospace applications	ISRO-STIC	20,00,000.00

5	Dr. T. Ramesh	Mechanical Engineering	Carbon Black and Ion-Functionalized Fillers Reinforced High Conductivity Polymers Nanocomposites: An Investigation Through Various Additive Manufacturing Techniques	SERB	28,16,088.00
6	Dr. R. Prakash	Mechanical Engineering	Detection of Crack Orientation in 3D Printed Composite Plate using Shearlet Transform	ANRF-SERB	25,19,088.00
7	Dr. K. Muthukkumaran	Civil Engineering	Geotechnical And Structural Investigations for Assessment of Technical Status of UNESCO Temples in Tamil Nadu	DST	84,19,320.00
8	Dr. D. Ezhilarasi	Instrumentation and Control Engineering	Design Development and Testing of transcranial focused ultrasonic stimulation (tFUS) device for cognitive enhancement in military scenario (No. LSRB-416)	DRDO	45,99,672.00
9	Dr. M. Umapathy	Instrumentation and Control Engineering	Study of the Technological Advancement in the Thermocouple Pyrometers and Different Types of Pyrometers used in the industry	BIS	4,14,000.00
10	Dr. M. Premalatha	Energy and Environment	Ultrasonic-assisted bioethanol production using potato peel waste as a sustainable biomass with amylase extracted from Potato Peel.	DST	17,82,000.00
11	Dr. B. Karthikeyan	Environment	SERB TARE	SERB	10,05,000.00
12	PI - Dr. V. B. Vinod Co-PI Dr. G Nagasubramaniyan	Humanities and Social Sciences	Enhancing Somaesthetic Reflection through Yoga and Performing Arts Using Effective HCL Technique for Creativity and Innovation	SPARC	73,82,501.00
13	Dr. Kunwar Singh	Computer Science and Engineering	Design of Privacy-Preserving Decentralized IoT System for Different Applications Leveraging Blockchain Technology and Cryptographic Primitives	DST	20,21,760.00
14	Dr. Jitraj Saha	Mathematics	Then nonlinear evolution for particulate models: Well-posedness, Asymptotic analysis and Numerical simulations	SERB	32,80,828.00

15	Dr. V. M. Biju	Chemistry	Inspire Faculty Fellowship	DST	32,80,828.00
16	Dr. G. Arthanareeswaran	Chemical Engineering	Development of ultrasound assisted membrane bioreactor and aligned processes for sustainable enzyme reusable saccharification of cellulose-enriched waste biomass.	DBT	23,72,560.00
17	Dr. R. Pandeewari	Electronics and Communication Engineering	Autonomous Meta surface Enhanced Electronically Reconfigurable mm Wave Leaky-Wake Antennas for 5G Beamforming	SPARC	68,10,000.00
18	Dr. Hemant Kumar	Electronics and Communication Engineering	Design of Unidirectional Antennas using High Impedance Surfaces	DRDO	9,20,400.00
19	Dr. P. Muthuchidambaranathan	Electronics and Communication Engineering	UAV Assisted and Reconfigurable Intelligent Surface Supported B5G Communication	SPARC	68,10,000.00
20	Dr. Takhellambam Sonamani Singh	Physics	Development of Low -Cost Modular Magnetic Actuation System for Micro swimming Applications	DAE - BRNS	11,50,500.00
21	Dr. S. Mekala	Humanities and Social Sciences	Impact Assessment of the Effectiveness of Learning and Innovation Skills in Empowering SEDGs (Socio Economically Disadvantaged Groups) of Selected HEIs in Tamil Nadu	ICSSR	8,60,000.00
22	Dr. K. Muthukkumaran	Civil Engineering	Innovative Utilization of Biopolymers as a Green Adhesive for the Stabilization of Expansive Soils	SERB - TARE	10,05,000.00
23	Dr. Bibin Francis	Electronics and Communication Engineering	Deep Learning for Biomedical Signal & Image Processing: A Hands-On Approach	SERB - KARYASHALA	5,00,000.00
24	Dr. P. Sathiya	Production Engineering	Manufacturing and Characterization of Advanced Materials for Health Care and Defense Applications	SERB - ANRF - Seminar / Symposia Scheme	2,00,000.00
25	Dr. Bopche Ghanshyam Sitkura	Computer Applications	Deceptive Defenses: Exploring the Role of Cyber Deception in Fortifying the Indian Power Grid Against Ransomware Attacks	Powergrid	26,67,624.00

26	Dr. Suman M	Electrical and Electronics Engineering	A Novel Resynchronization Methodology for Active Distribution Networks	SERB	28,41,720.00
27	Dr. Mashudha Sulthana U	Civil Engineering	A Novel Moment Resisting Bolted Beam-Column connection Method for Tubular Steel Concrete Composite Structures	SERB	50,33,600.00
28	Dr. R. Jeyapaul	Production Engineering	SERB TARE	SERB TARE	10,05,000.00
29	Dr. M. Brindha	Computer Science and Engineering	Underwater Surveillance Perception Quality Assessment: A Multi Modal Perception Quality Assessment Framework for object Detection and Recognition in Autonomous Under Water Vehicles	IIT Guwahati Technology Innovation and Development Foundation	14,00,000.00
30	Dr. S. P. Kumaresh Babu	Metallurgical and Materials Engineering	Study of Grades, Chemicals, Mechanical and Physical Properties and Applications of Pure Molybdenum and Molybdenum alloy Plate, Sheet, Strip and Foil	BIS	9,66,402.00
31	Dr. S. Sangeetha	Computer Applications	A Deep Explainable Framework for Semantically Similar Document Retrieval and Summarization of Legal Text	SERB - ANRF	21,58,360.00
32	Dr. R. Anand	Mechanical Engineering	Training Program on Entrepreneurship	DST	5,50,000.00
33	Dr. V. Sunitha	Civil Engineering	Training Programme on Cross Drainage Structures in Rural Roads	NRRDA	32,40,000.00
34	Dr. Varun P. Gopi	Electronics and Communication Engineering	An Intelligent Schizophrenia Detection using OCT and OCT Angiography Image Analysis	DST	40,46,025.00
35	Dr. S. P. Sivapirakasam	Mechanical Engineering	SERB TARE	ANRF-SERB TARE	10,05,000.00
36	Dr. N. Kumaresan	Electrical and Electronics Engineering	Configurable AC Electronics Load for Testing Sonar Power Amplifier	DRDO	1,18,93,993.00
37	Dr. G. Arthanareeswaran	Chemical Engineering	SERB TARE	ANRF-SERB TARE	10,05,000.00
38	Dr. Jyoti Sahu	Chemical Engineering	Lifespan Study of Lithium-Based Electrodes in Capacitive Deionization Process for Lithium Extraction from Primary Sources: A Corrosion Analysis	The Institution of Engineers	1,00,000.00

39	Dr. R. Anand	Mechanical Engineering	Sustainable Power Generation using Biomass Gasification for Cold Storage Plant to Preserve Agro-Products of Tribal Communities in Top Sengattuppatti	DST	99,49,116.00
40	Dr. K. Muthukkumaran	Civil Engineering	Approval of Education Proposal ID "Edu-24-00045" of National Institute of Technology, Tiruchirappalli for Civil Engineering/ Infrastructure/ Science (including Geotechnical Engineering & Water Resources Engineering/ Oceanography) under National Textiles Mission (NTTM) of Ministry of Textiles (MoT)	MOT-NTTM - 2.0	6,00,72,107.00
41	Dr. Ruben Sudhakar	Energy and Environment	Study on Pyrolysis Oil for Determination of Correlation Amongst Feedstock Composition Manufacturing Technology, and Performance Characteristic	BIS	7,61,760.00
42	Dr. N. Ramesh Babu	Metallurgical and Materials Engineering	Development of High-Performance Bio composite Coating on Magnesium for Orthopaedic Implant Applications	ANRF-SERB TARE	10,05,000.00

RESEARCH ACHIEVEMENTS

IIInvenTive 2025

IIInvenTiv is the mega R&D fair, where all IITs, NITs, IISERs and other top 5- ranked NIRF institutions in the country are coming together to showcase their R&D activities. IIInvenTive 2025, hosted at IIT Madras, featured five exhibits from NIT Tiruchirappalli from 28th February to 1st March 2025. These exhibits underscore NIT Tiruchirappalli's commitment to sustainable development, healthcare innovation, and advanced material research

Following are the exhibits showcased at the at the prestigious R&D fair, IIInvenTiv-2025 at IIT Madras Campus.

S. No.	Exhibit Title	Exhibit Type	Inventors Name
1.	Flexible Heat Transfer Device	Technology Transfer	Dr V M Jaganathan, P Kannan
2.	New Catalytic Pathway for Producing Methanol from CO ₂	Technology Transfer	Inventors: Sarat Chandra Babu J Kuldeep Sharma Ullaskrishnan JN Bhuvaneswari G Technology Associates: Radhakrishnan T K Arivazhagan M Sivakumaran N
3.	Production of Paver Block with Soil-Like Material from Landfill Mining as a Substitute for Fine Aggregates (SLiM Blocks)	Technology Transfer	Dr. S. T. Ramesh, and G. Saravanan
4.	Development of sustainable multi-ion doped HA (Hydroxyapatite) for Pollution control applications	R&D	Dr. Nimu Chand Reger Vaibhav Kanan (B.Tech. student MME) Gandi Ram (B. Tech MME)
5.	Low-cost Point of Care Jaundice Meter for New Born	Technology Transfer	Dr. R. Periyasamy and Mr. Vignesh Kumar



Team 1: Flexible Heat Transfer Device

Team 2: CO₂: No longer a Menace

Team 3: SLIM Blocks



Team 4: Bio-Based Hap: Shielding Air, Saving Lives



Team 5: Neonatal Jaundice Meter



AWARDS



INSTITUTE DAY 2025 / AWARDS

a. Best Performers (Faculty) in 2024-25

S. No.	Name of the Faculty	Designation	Department
1.	Dr. K. Muthukkumaran	Professor	Civil Engineering
2.	Dr. R. Anand	Professor	Mechanical Engineering
3.	Dr. Jaganathan V M	Assistant Professor	Energy and Environment
4.	Dr. R. Senthilkumar	Assistant Professor	Civil Engineering
5.	Dr. V.K. Karthika	Assistant Professor	HSS
6.	Dr. Sreejith Mohan	Assistant Professor	Mechanical Engineering
7.	Dr. R. Prakash	Assistant Professor	Mechanical Engineering
8.	Marisamynathan S	Assistant Professor	Civil Engineering

b. Budding Researcher Award 2024-25 (Threshold: At least one publication in Q1 Journals)

S. No.	Name	Roll Number	Department
1.	M. Sivakumar	414121003	Production Engineering
2.	B. Vinod Kumar	407121002	Electrical and Electronics Engineering
3.	J. Beula Isabel	417121051	Energy and Environment
4.	Abhijna Krishna R	404120001	Chemistry
5.	Ajin I	413121001	Physics
6.	Vigneshhwaran G	402120005	Chemical Engineering
7.	Rodda Kiran Kumar Reddy	411120009	Mechanical Engineering
8.	Rima Das	403120005	Civil Engineering
9.	Magesh K	404119052	Chemistry
10.	Gandhudi Manoranjan	405422001	Computer Applications
11.	SD. Sairam	408121006	Electronics and Communication Engineering
12.	Purna Tolani	409122051	Humanities and Social Sciences
13.	Durgadevi S	402120001	Chemical Engineering

c. Best Department Award 2024-25

Engineering Discipline

S. No.	Departments	TLR (100)	RP (100)	GO (100)	OI (100)	Overall (100)	Rank
1.	Civil Engineering	83.86	67.4	66.42	32.81	68.20	1
2.	Mechanical Engineering	63.74	61.04	72.68	37.86	61.64	2
3.	Chemical Engineering	69.08	53.73	70.9	27.68	59.33	3
4.	Production Engineering	52.30	56.21	76.19	8.48	53.47	4
5.	Computer Science & Engineering	53.56	36.17	95.03	22.32	53.33	5
6.	Electricals & Electronics Engineering	68.00	33.66	73.33	22.31	52.33	6

7.	Electronics & Communication Engineering	61.46	35.3	76.92	23.2	51.65	7
8.	Metallurgical & Materials Engineering	75.13	21.77	64.49	28.68	49.59	8
9.	Computer Applications	50.63	47.44	28.47	7.27	39.19	9
10.	Instrumentation & Control Engineering	43.51	27.14	67.08	5.87	38.79	10
11.	Energy and Environment	45.99	30.72	25.35	27.32	34.05	11

Non-Engineering Discipline

S. No.	Departments	TLR (100)	RP (100)	GO (100)	OI (100)	Overall (100)	Rank
1.	Chemistry	66.07	79.85	26.1	8.719	54.38	1
2.	Physics	71.05	52.73	38.55	25.31	52.06	2
3.	Management Studies	43.87	31.59	33.92	24.37	35.2	3
4.	Architecture	45.16	4.1	73.88	13.22	34.28	4
5.	Mathematics	45.14	17.24	29.15	9.422	28.01	5
6.	HSS	29.78	24.52	33.79	8.5	26.31	6

TLR: Teaching, Learning & Research

RP: Research & Professional Practice

GO: Graduation Outcome

OI: Outreach & Inclusivity

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

Engineering Discipline:

- Department of Civil Engineering

Non- Engineering Discipline:

- Department of Physics (Since Department of Chemistry was awarded best department for 2024, Dept. of Physics has been awarded best department in 2025). In addition, Department of Chemistry has been acknowledged for their consistent Top Performance

RANK HOLDERS (B.Tech. and B.Arch.) / INSTITUTE DAY (2025)**B.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2020	1	102120029	DIVYADHARSHINI D S	9.89
2020	2	102120015	ARYAN KISHORE MACHALE	9.83
2020	3	102120022	BAVISHI JAINA KETANKUMAR	9.54
2021	1	102121032	NANTHA BALAN M	9.51
2021	2	102121037	PRITHIKA ROY	9.29
2021	3	102121078	VINUTHA REDDY P	9.27
2022	1	102122070	S KRISHNAN	9.83
2022	2	102122027	E ADITYA	9.68
2022	3	102122024	DHARANI M	9.55

B.Tech. / CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	103120079	PARVATH C	10
2020	2	103120011	A MUKESH SUNDAR	9.71
2020	3	103120095	SAMEE ALAM ANSARI	9.67
2021	1	103121007	AFRIN NAZ	9.71
2021	2	103121077	NILOFER M	9.61
2021	3	103121053	KAUSHIK R	9.55
2022	1	103122107	UNNITHAN ARUNESH SURESH	9.81
2022	2	103122056	MAHENDRA SINGH	9.79
2022	3	103122032	DIVYANSH PARMAR	9.72

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	106120018	ASHWIN A	10
2020	1	106120122	SNEHA ANN REJI	10
2020	2	106120141	VIKRAM T	9.75
2020	3	106120099	ROHIT L RAO	9.67
2021	1	106121019	ARATI MOHAPATRA	9.75
2021	1	106121100	RAHUL SRIRAM	9.75
2021	2	106121097	PRITHVI RAJ M	9.71
2021	3	106121080	NANDANA RAJAN	9.65
2022	1	106122100	REETHIKKA S S	9.81
2022	2	106122021	AVYYUKT AJITH	9.77
2022	3	106122003	ADITHYA G	9.72

B. Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	107120053	H R S S NAGAVALLI CHATLA	10
2020	2	107120056	JENNIE ANGELA JOSE SHIRLEY	9.83
2020	3	107120013	AMAN KUMAR PANDEY	9.75
2021	1	107121110	SUNDARAM S V	9.65
2021	2	107121016	ATHARVA RATHI	9.39
2021	2	107121031	GAYATHRI RAJESH	9.39
2021	3	107121081	R KRISHNA	9.31
2022	1	107122113	SPANDAN BISWAS	9.82
2022	2	107122101	SATVARA JAY VIPUL	9.74
2022	3	107122042	HARSHA PRADEEP	9.66
2022	3	107122054	KARTIK AASHISH	9.66

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	108120097	PREM SATHAN L	9.96
2020	2	108120043	HARSHINEE MURALI	9.71
2020	2	108120070	M S AISHWARYA	9.71
2020	3	108120014	ARSHDEEP	9.62
2021	1	108121051	JAYASHREE M	9.98
2021	2	108121111	SANJAY S RAGHAV	9.67
2021	3	108121062	KUNAL VINODH KUMAR HINDUJA	9.6
2022	1	108122040	JAI SIBYL TIARA	9.92
2022	2	108122090	RITESH KUMAR SINGH	9.88
2022	3	108122101	SAYAN BOSE	9.84

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	110120011	ANAND JEROME D	9.67
2020	2	110120103	SHYAM SUNDAR M G	9.62
2020	3	110120106	SOORAJ SUBRAMANIAM E P	9.46
2021	1	110121018	ARYAN AGARWAL	9.57
2021	2	110121047	MAHIKA ARUNKUMAR	9.48
2021	3	110121107	S V RAMAKRISHNAN	9.35
2022	1	110122112	TARUNIKA P	9.54
2022	2	110122051	KIRTHIK M	9.53
2022	3	110122050	KATTA PARTHIV	9.38

B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	111120050	GURU VISHNU M	9.9
2020	2	111120041	FALDU MEHUL JAGDISHBHAI	9.88
2020	2	111120142	YASH ASHOK KUMAR PATEL	9.88
2020	3	111120072	K JOTHIKA	9.83
2021	1	111121055	HARISH S	9.57
2021	2	111121095	RANJEETH KUMAR A R	9.53
2021	3	111121083	NITHISH KUMAR B	9.51
2022	1	111122122	SRI HARI PRIYA SR	10
2022	2	111122023	B YOHAN VARGHESE	9.88
2022	3	111122045	HARIRUDRAN J S	9.75

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	112120001	AADHARSHINI G	10
2020	1	112120003	ANAGH DUTTA	10
2020	1	112120036	M RISHIKA	10
2020	2	112120049	RAJ SAMNANI	9.5
2020	3	112120033	MAINAK KHAN	9.12
2020	3	112120056	SAPTHAGIRIVASAN R T	9.12
2021	1	112121072	VAIKUNDARAMAN T S	9.84
2021	2	112121045	R ASHWIN	9.76
2021	3	112121022	HARSHITA RAM KISHORE	9.32
2022	1	112122049	RASHMI B N	9.88
2022	2	112122039	NANTHAN K	9.73
2022	3	112122014	DHANUSH ADITYA V	9.24

B.Tech. / PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2020	1	114120115	VEJAYATHERAJ SE	10
2020	2	114120020	ARUNPRABHAKAR P	9.96
2020	3	114120013	ANSHU	9.88
2020	3	114120056	J NITISH KRISHAN	9.88
2021	1	114121017	CHITRANSH JAIN	9.81
2021	2	114121014	B M MADHESH	9.69
2021	3	114121024	D K VARUN NEVASH	9.65
2022	1	114122076	PRANAV G	9.92
2022	2	114122066	PADMANARAYANAN S	9.45
2022	3	114122067	PAIDI SAI PRAKASH REDDY	9.43

B.Arch. / ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2019	1	101119036	NIHARIKA SAINI	9.94
2019	2	101119031	MANAVI	9.52
2019	3	101119024	INDUKURI YASWANTH SRI ADITHYA VARMA	9.4
2020	1	101120046	SHREE VARSHAA ELANGO	9.75
2020	2	101120044	SARMATHI B T	9.6
2020	3	101120033	OVIYA S	9.4
2021	1	101121041	SAI KEERTHANA VIDHYA SANJEEVI	9.48
2021	2	101121008	DEEPTHIKA K	9.14
2021	3	101121015	ISHAA SANISH	8.9
2021	3	101121025	LAKSHI R KANKARIA	8.9
2022	1	101122056	S TANUVI	9.6
2022	2	101122042	RITHIKAA M	9.56
2022	3	101122011	DAVIDSON ANDREWS J	9.14
2022	3	101122032	NITHYASHRI JEYAPRAKASH	9.14
2022	3	101122049	SAI PREETHI R	9.14
2023	1	101123015	JUI RAVINDRA SAWANT	9.56
2023	2	101123017	KEERTHANA VENKATRAMAN	9.32
2023	3	101123005	ANGELINE INIYA JUDE SUDHAGAR	9.28

B.Tech. / I YEAR (2023)

Batch	Rank	Roll Number	Name	CGPA
2023	1	114123065	KAUSHAL PRADYUMNA PRASHANT	10
2023	2	107123055	KARTHIKEYAN P	9.9
2023	3	107123077	P NIKIL	9.75

RANK HOLDERS (M.Tech., M.Arch., M.Sc., MCA, MBA, MA) / INSTITUTE DAY (2025)**M.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2022	1	202122014	MOHAMED ABUBACKER S I	9.29
2022	2	202122006	DEWANSH	9.2
2022	3	202122001	ALICIA NYLA LEWIS	8.82
2022	3	202122018	SANIKA SASEENDRAN	8.82
2023	1	202123005	FEBIN MATHEW	9.5
2023	2	202123006	HAFNA P	9.29
2023	3	202123019	SREYA O V	9.14

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2022	1	202222015	TUSHAR	8.92
2022	2	202222010	PATHAKAMURI VENKATESH	8.78
2022	3	202222001	ABHISEKH KUMAR RAWAT	8.67
2023	1	202223007	SHASHI RANJAN	9.32
2023	2	202223006	PALLAVI DAUR	9.24
2023	3	202223002	BATREDDY TANMAI SOWKHYA	8.68

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2022	1	203122004	ANINDYA BANDYOPADHYAY	9.62
2022	2	203122020	REET CHANDUKA	9.55
2022	3	203122006	ASHLY JOHNSON	9.44
2023	1	203123010	JAYAKODI MUDIYANSELAGE ROSHANI SHASHIKALA JAYAKODI	9.71
2023	2	203123011	KARAMSETTY PAVAN KUMAR	9.57
2023	3	203123028	KEERTHI P	9.5

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	203222005	ANISHA ANIL	9.64
2022	2	203222011	J R GAYATHRI	9.27
2022	3	203222023	PRATHIBHA V	9.26
2023	1	203223003	ANAND SUDHAKAR	9.64
2023	2	203223005	APOORVA SONWANI	9.29
2023	3	203223027	VEPARI ALIASGER KUTBUDDIN	9.19

M.Tech. / ENVIRONMENTAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	203422016	RAHUL T P	9.74
2022	2	203422024	SURYAWANSHI HEMLATA DILIP	9.41
2022	3	203422002	DEVAVARAPU CHANDU	9.29
2023	1	203423012	HRUDYA P	9.24
2023	2	203423004	BINDIA S N	8.69
2023	2	203423017	DAYARE PRAJAKTA PRAKASH	8.69
2023	3	203423014	MATTA JAYA CHANDRA	8.4
2023	3	203423026	VINAY SINGH	8.4

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2022	1	203522014	MUDIMADUGULA PAVANKUMAR	9.5
2022	2	203522002	APPIREDDYGARI KEERTHI	9.27
2022	3	203522015	NERELLA KAMESWARI SANDHYA	9.19
2023	1	203523025	T S SUJITH NAIR	9.78
2023	2	203523002	ANJITHA SHANTI	9.42
2023	3	203523024	SHAIK KHAJA PEER MOHAMMAD	9.12

M.Tech. / GEOTECHNICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	203622022	THARUNSARATHY S	9.68
2022	2	203622024	VYSHNA P V	9.41
2022	3	203622012	MARIA BABY	9.23
2023	1	203623005	ASHRUMOCHAN PARHI	9.31
2023	2	203623009	SHAH DHARUVIL VIMALKUMAR	9.24
2023	3	203623017	RANE PRATIK RAJENDRA	9.19

M.Tech. / DATA ANALYTICS

Batch	Rank	Roll Number	Name	CGPA
2022	1	205222018	SHIVANSHU ANANT SURYAKAR	9.52
2022	2	205222019	SIDHANT KUMAR SINGH	9.09
2022	3	205222009	GONTU HEMANT LAKSHMAN	9.07
2023	1	205223011	GAURI TOSHNIWAL	9.36
2023	2	205223015	KUMBHAR TEJAS SAMBAJI	9.31
2023	3	205223006	DANDGE SHRIKANT ASHOK	9.24

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	206122027	TALHA ANWAR	9.56
2022	2	206122018	DHEVANATHAN P	9.21
2022	3	206122025	SIDDHARTH SHANKAR DEBATA	9.17
2023	1	206123007	AISWARIYA VIJAYAKUMAR	9.57
2023	2	206123032	VENUGOPAL S	9.31
2023	3	206123012	BUDUMURU BHAVANA	9.24

M.Tech. / POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2022	1	207122032	V VIJAY	9.59
2022	2	207122009	BOTTA PRUDHVI	9.36
2022	3	207122018	PRASHANT KUMAR	8.8
2023	1	207123005	AKHILESH CHANDRAKANT PAYASKAR	9.4
2023	2	207123004	DAGADKHAIR AJINKYA VITTHAL	9.2
2023	3	207123010	BAVISETTI GANGESWARA RAO	9.02

M.Tech. / POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2022	1	207222009	GANDAVARAPU MAHIDHARREDDY	9.5
2022	2	207222026	SHAIK SHARUK	9.25
2022	3	207222031	THAMIZHSELVAM M P	9.16
2023	1	207223018	PRAVEEN KUMAR K S	9.7
2023	2	207223014	NALLAPPAGARI TULASI	9.42
2023	3	207223009	KHAVANE RAMPRASAD VISHNU	9.32

M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2022	1	208122001	ABHISHEK P	9.36
2022	2	208122031	TETALA VISHNU PRIYA	9.32
2022	3	208122020	NACHIYAPPAN K	9.24
2023	1	208123015	KONDA SATHWIKA	9.43
2023	1	208123016	MAMILLA SRI HARSHITHA	9.43
2023	2	208123008	CHINTAPATLA BHEEMA NAGA SURYA BULI RAJU	9.36
2023	3	208123022	REDDI LAHARI	9.33

M.Tech. / VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2022	1	208222026	PUTREVU SAIPRAKASH	9.64
2022	2	208222019	KUNDA KAVYA	9.47
2022	3	208222020	KURUBA ANUSHA	9.26
2023	1	208223020	SANDHIYA R	9.57
2023	2	208223007	GUNDALA SANDEEP KUMAR	9.45
2023	3	208223023	SRIJAN VAISHYA	9.4

M.Tech. / ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	202322006	DIVYANSHU PRAKASH	9.47
2022	2	202322019	SODHA MEETRAJSINH NARENDRASINH	9.33
2022	3	202322010	KASTURI VIKAS	8.91
2023	1	202323006	MUTHUKUMAR C	9.45
2023	2	202323001	AARTHI A	9.33
2023	3	202323007	POLI TEJASWI	9

M.Tech. / INDUSTRIAL AUTOMATION

Batch	Rank	Roll Number	Name	CGPA
2022	1	210122015	SAILAKSHMI P V	9.73
2022	2	210122002	ANILKUMAR CHOUDARY R	8.98
2022	3	210122010	PATIL JITESH ANIL	8.72
2023	1	210123002	DESHMUKH KUNAL DEEPAK	9.42
2023	2	210123010	THIRUMALAIVASAN K	9.18
2023	3	210123008	SARATH CHANDRA K	8.78

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	211222023	SUSHANT SIDDHEY	9.67
2022	2	211222004	ANOOOP R S	9.19
2022	3	211222001	AKSHAY C	9.14
2022	3	211222008	DAWN DAVID N	9.14
2023	1	211223011	JEFFERY AMBROISE D	9.65
2023	2	211223003	ABHISHEK S R	9.35
2023	2	211223010	JASMINE J	9.35
2023	3	211223012	KADAGALA TEJESWARA SAI	9.25

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	211322017	KANDAGATLA SRINATH	9.59
2022	2	211322034	YEMPADA YUGESH	9.52
2022	3	211322012	DIVYANSHU GUPTA	9.28
2023	1	211323002	ABHISHEK OJHA	9.58
2023	2	211323016	JOSHI SHRAVANI	9.4
2023	3	211323008	CHAUDHARI BHUMIK MANOJKUMAR	9.38

M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	212122013	SANKERANAND K R	9.4
2022	2	212122004	ARCHIT	9.14
2022	3	212122003	ANIMESH DUBEY	9.08
2023	1	212123002	JOEL XAVIER	9.36
2023	2	212123001	AZAD KUMAR YADAV	8.67
2023	3	212123003	YALLAPU BHARATH KUMAR	8.57

M.Tech. / MATERIAL SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2022	1	212222012	RAGHUL RAJ R	9.51
2022	2	212222016	SURYA K	9.48
2022	3	212222014	SATYAM SARATHE	8.88
2023	1	212223003	KARTHIKEYAN B	9.33
2023	2	212223005	SONU YADAV	9.14
2023	3	212223002	DHRUV RANA	8.71

M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2022	1	212322010	VISHNU M	9.91
2022	2	212322007	KRISHNA KUMAR R	9.43
2022	3	212322002	AKURATHI TEJENDRA PHANIDATHA	9.23
2023	1	212323001	KALAPU KALYAN SAI CHARAN	9.36
2023	2	212323008	SAURAV	8.71
2023	3	212323007	SAURABH VARSHNEY	8.67

M.Tech. / NON-DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2022	1	213122002	ALAPATI YAGNA SURYA VAMSI KRISHNA	9.63
2022	2	213122014	RAJESH LAYEK	9.5
2022	3	213122021	SUGGU HEMANT	9.19
2023	1	213123001	AJITH S	9
2023	2	213123007	KASIREDDY GANESH REDDY	8.98
2023	3	213123003	ALOK KUMAR	8.85
2023	3	213123005	DEEPAN V K	8.85

M.Tech. / MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2022	1	214122029	SUROJ SINGH	9.44
2022	2	214122022	PRAJJWAL GOYAL	9.37
2022	3	214122023	SAHUKARU RISHIKESH	9.23
2023	1	214123030	VIGNESHWAR S	9.7
2023	2	214123010	JAVIYA VATSAL BABUBHAI	9.65
2023	3	214123011	KAKI VASUKI	9.22

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2022	1	214222015	MILIND JAISWAL	9.71
2022	2	214222009	ENDAMURI JAJI ASHOK	9.51
2022	3	214222012	KOLLURU SAI VAMSI	9.45
2023	1	214223029	THOTAMCHETTY RANJITH	9.64
2023	2	214223001	ADARSH KUMAR G UPADHYA	9.36
2023	3	214223028	SUGUMAR V	9.33

M.Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2022	1	201122023	TANINKI NIHARIKA	9.25
2022	2	201122019	SHRINITHY G	9.22
2022	3	201122013	PURVI PUNAMCHANDE NIRMALA	9.1
2023	1	201123017	SRISANDHIYA S	9.33
2023	2	201123009	JIJUNA M	9.22
2023	3	201123015	RADJASRI S	9.08

M.Sc. / CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2022	1	204122018	SHAMEEMA K K	9.37
2022	2	204122009	KARTHIK K S	9.23
2022	2	204122016	SAJAL SAXENA	9.23
2022	3	204122022	SRAVAN SANGEETH S	8.77
2023	1	204123008	ISHIKA SINGHAL	9.5
2023	2	204123009	JOEL MANOAH J	9.45
2023	3	204123002	AKSHAY KUMAR	8.82

M.Sc. / COMPUTER SCIENCE

Batch	Rank	Roll Number	Name	CGPA
2022	1	205322013	NIDHI SHARMA	9.55
2022	2	205322010	HEMANT CHOUDHARY	9.34
2022	2	205322019	SHRESTHA BHATTACHARJEE	9.34
2022	3	205322011	HIMANSHU CHHAPARWAL	8.76
2023	1	205323001	ABHISHEK MAURYA	9.74
2023	2	205323024	VIDIT TOMAR	9
2023	3	205323004	DEEPAK GANGWAR	8.72

M.Sc. / MATHEMATICS

Batch	Rank	Roll Number	Name	CGPA
2022	1	216122007	KUNDAN KUNDU CHOWDHURY	9.9
2022	2	216122005	KEYA BERA	9.26
2022	3	216122004	JHULAN HALDAR	9
2023	1	216123003	ANIMESH SHIT	9.62
2023	2	216123005	GARVITA	9.47
2023	3	216123010	NIKITA	9.24

M.Sc. / PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2022	1	213222007	ANSHUMAN SASMAL	9.6
2022	2	213222009	DEVIKASREE M J	9.3
2022	2	213222023	VANGARI ROHIT RAMESH	9.3
2022	3	213222010	HUDA VALIYATHODI	9.1
2022	3	213222016	MANJIMA BHATTACHARYA	9.1
2022	3	213222018	MOUSAM DEY	9.1
2023	1	213223008	ISHITA	9.08
2023	2	213223004	ANIRBAN MULLICK	8.83
2023	3	213223006	HARSHITA PANT	8.67

MASTER OF COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2021	1	205121004	ABHILASH SINGH	10
2021	2	205121084	SAKSHI YADAV	9.76
2021	3	205121008	AISHWARYA TRIPATHI	9.69
2022	1	205122020	CHIRAG AGARWAL	9.78
2022	2	205122111	MOKSHDA DAVE	9.4
2022	3	205122016	ARYAN GOGIA	9.3
2023	1	205123049	MALLELA NRUSIMHA TEJA	9.92
2023	2	205123004	ADITI SHARMA	9.82
2023	3	205123111	ASTIK VERMA	9.72

MASTER OF BUSINESS ADMINISTRATION

Batch	Rank	Roll Number	Name	CGPA
2022	1	215122075	SRIVATSAV S	9.5
2022	2	215122010	ANCHAL	9.44
2022	3	215122058	SHAJAS HASARAF ALI	9.33
2023	1	215123024	DEEPA LAKSHMI M	9.57
2023	2	215123064	PALACHARLA SAI S VIRAJ CHOWDARY	9.52
2023	2	215123091	VALLABHAJOSYULA HARI PRASAD	9.52
2023	3	215123015	AYUSHI GANGWAR	9.19
2023	3	215123026	DINESH KUMAR L	9.19
2023	3	215123029	GORTHY PRABHAT	9.19

MASTER OF ARTS (ENGLISH)

Batch	Rank	Roll Number	Name	CGPA
2022	1	209122007	DEEKSHA S V	9.44
2022	2	209122014	MEERA RAMESH M	9.28
2022	3	209122010	JASIR P P	9.25
2023	1	209123003	ANNE JOSEPH	9.75
2023	2	209123020	SVETA RAMAN	9.25
2023	3	209123009	P AHALYA	9.08

ENDOWMENT AWARDS

Sl. No.	Name of the award	Roll No.	Name
1.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101119024	INDUKURI YASWANTH SRI ADITHYA VARMA
2.	Mr. Oisik Adak endowment award for "Best Creative Designer" in the Department of Architecture	101120033	OVIYA S
3.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture	101121003	ANANYA SAJAN
		101121008	DEEPTHIKA K
		101121018	KAVIYA SAMLY M
		101121026	LALITH KISHOR S K
		101121043	SAMYUKTHA R D
		101121057	VISHNU PRIYA S
4.	Dr. Josephine Frank Memorial Scholarship for Graphic Design of current third year in the Department of Architecture	101122050	SAMYUKTHA SK
		101122028	M EZHIL OVIYA
		101122032	NITHYASHRI JEYAPRAKASH
5.	Dr. S. H. Ibrahim Memorial Award Best Student in the Field of 'MASS TRANSFER' in B.Tech. (Chemical Engineering)	102121032	NANTHA BALAN M
6.	Dr. S. H. Ibrahim Memorial Award for the Best outgoing student in B.Tech. Chemical Engineering	102121037	PRITHIKA ROY
7.	Smt. G. S. Rajalakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering.	102121037	PRITHIKA ROY
		102121070	SUJAL K S
		102121078	VINUTHA REDDY P
8.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	102123031	JESWIN JOSAN
		102123074	SWAPNIL SINGH
		102123084	VARUN CHANDAR
9.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.	103121012	ANJEET KUMAR
10.	Sri. Janardhana Iyengar Memorial Award for the best Academic Performance in the just concluded academic year.	106120122	SNEHA ANN REJI
11.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in Electrical and Electronics Engineering up to VII Semester.	107121081	R KRISHNA
12.	Smt. Seethamma Memorial Award for the First Rank holder upto VII Semester in the Electronics and Communication Engineering	108121051	JAYASHREE M

13.	Smt. Vijayalakshmi Kannan Memorial Award for the First Rank Holder upto VII semester in B.Tech. Electronics and Communication Engineering	108121051	JAYASHREE M
14.	Srimathi Neela Balasubramanian Memorial Award for best outgoing student in Electronics and Communication Engineering	108121051	JAYASHREE M
15.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year Electronics and Communication Engineering	108122040	JAI SIBYL TIARA
16.	Sri. Avinash memorial award for the best outgoing male student of Instrumentation and Control Engineering	110121101	S KAMALESH
17.	Sri. Avinash memorial award for the best outgoing female student of Instrumentation and Control Engineering	110121047	MAHIKA ARUNKUMAR
18.	Prof. Ibrahim / Dr. Sittaraman Award for the best outgoing student of Department of Management Studies	215123024	DEEPA LAKSHMI M
19.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in Management Studies	215123024	DEEPA LAKSHMI M
20.	Prof. J. Raja Award (highest CGPA in all Accounting and Finance subjects in First Year Management Studies)	215124111	VAIBHAV AGRAWAL
21.	Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester M.Tech. Industrial Safety Engineering	211223011	JEFFERY AMBROISE D
22.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. Metallurgical and Materials Engineering	112121072	VAIKUNDARAMAN T S
23.	Best outgoing student of Metallurgical and Materials Engineering M/s Chennai Metco Pvt. Ltd Chennai	112121072	VAIKUNDARAMAN T S
24.	Mettalographic contest winner M/s Chennai Metco Pvt. Ltd Chennai	112123048	PANKAJ KUMAR
25.	Prof. K. S. Pandey Memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 th Semester and also be active in sports activities)	112121016	DIVYANSH JOSHI
26.	Prof. K. S. Pandey Memorial Academic Achievement Award for the academically best student based on CGPA at the end of five semesters of the B.Tech. (Metallurgical and Materials Engineering) programme	112122049	RASHMI B N

27.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. Non-Destructive Testing	213123007	KASIREDDY GANESH REDDY
28.	Karthik S Memorial Award for the First Rank Holder upto VII semester in B.Tech. Production Engineering	114121017	CHITRANSH JAIN
29.	Anjali Surendran Endowment Award for the best outgoing undergraduate student from Production Engineering	114121017	CHITRANSH JAIN
		114121014	B M MADHESH
30.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	114123063	PAVITHRA A
31.	S J Chainlu medal of Excellence (For the First Rank Holder in the First year)		
	Chemical Engineering	102123024	GUGHAN METTUPALAYAM SRIDHAR
	Civil Engineering	103123079	NIRANJAN S
	Computer Science and Engineering	106123126	SRIKAR NARLA
	Electrical and Electronics Engineering	107123055	KARTHIKEYAN P
	Electronics and Communication Engineering	108123023	BADRI NARAYANAN N
	Instrumentation and Control Engineering	110123074	NIVITHA SREE S
	Mechanical Engineering	111123123	SHIVANGI DAS
	Metallurgical and Materials Engineering	112123011	ARYAN DEVESH
	Production Engineering	114123065	KAUSHAL PRADYUMNA PRASHANT
32.	Best NCC Cadet	114121038	HEMANTH KANNAN A S
33.	RECT'78 alumni medal for the best outgoing girl student	114121111	VIBHA KAUSHIK

ALUMNI AWARDS / INSTITUTE DAY 2025

ALUMNI AWARDS (B.Arch. / B.Tech.)

Sl. No.	Department	Roll No.	Name	CGPA
1.	Architecture	101120033	OVIYA S	9.19
2.	Chemical Engineering	102121037	PRITHIKA ROY	9.42
3.	Civil Engineering	103121012	ANJEET KUMAR	9.51
4.	Computer Science and Engineering	106121100	RAHUL SRIRAM	9.67
5.	Electrical and Electronics Engineering	107121110	SUNDARAM S V	9.53
6.	Electronics and Communication Engineering	108121051	JAYASHREE M	9.86
7.	Instrumentation and Control Engineering	110121018	ARYAN AGARWAL	9.55
8.	Mechanical Engineering	111121077	NAMAN GOVIL	9.5
9.	Metallurgical and Materials Engineering	112121072	VAIKUNDARAMAN T S	9.65
10.	Production Engineering	114121017	CHITRANSH JAIN	9.79

ALUMNI AWARDS (M.Arch. / M.Tech. / M.Sc. / MBA / MCA / MA)

Sl. No.	Dept./Specialization	Roll. No.	Name	CGPA
1.	Architecture	201123017	SRISANDHIYA S	9.5
2.	Chemical Engineering			
	Chemical Engineering	202123005	FEBIN MATHEW	9.61
	Process Control and Instrumentation	202223007	SHASHI RANJAN	9.25
3.	Energy and Environment			
	Energy Engineering	202323001	AARTHI A	9.44
4.	Civil Engineering			
	Transportation Engineering and Management	203123010	JAYAKODI MUDIYANSELAGE ROSHANI SHASHIKALA JAYAKODI	9.78
	Structural Engineering	203223003	ANAND SUDHAKAR	9.72
	Environmental Engineering.	203423012	HRUDYA P	9.41
	Construction Technology and Management	203523025	T S SUJITH NAIR	9.83
	Geo Technical Engineering	203623005	ASHRUMOCHAN PARHI	9.46
5.	Computer Science and Engineering			
	Computer Science and Engineering	206123007	AISWARIYA VIJAYAKUMAR	9.67
6.	Electrical and Electronics Engineering			
	Power Systems	207123005	AKHILESH CHANDRAKANT PAYASKAR	9.54

	Power Electronics	207223018	PRAVEEN KUMAR K S	9.77
7.	Electronics and Communication Engineering			
	Communication Systems	208123016	MAMILLA SRI HARSHITHA	9.56
	VLSI System	208223020	SANDHIYA R	9.67
8.	Instrumentation and Control Engineering			
	Industrial Automation	210123002	DESHMUKH KUNAL DEEPAK	9.33
9.	Mechanical Engineering			
	Industrial Safety Engineering	211223011	JEFFERY AMBROISE D	9.73
	Thermal Power Engineering	211323002	ABHISHEK OJHA	9.67
10.	Metallurgy and Materials Engineering			
	Welding Engineering	212123002	JOEL XAVIER	9.28
	Materials Science and Engineering	212223005	SONU YADAV	9.33
	Industrial Metallurgy	212323001	KALAPU KALYAN SAI CHARAN	9.5
11.	Production Engineering			
	Manufacturing Technology	214123030	VIGNESHWAR S	9.76
	Industrial Engineering and Management	214223029	THOTAMCHETTY RANJITH	9.72
12.	Physics			
	Non-Destructive Testing (M. Tech.)	213123007	KASIREDDY GANESH REDDY	9.21
	Physics (M.Sc.)	213223004	ANIRBAN MULLICK	8.94
13.	Chemistry			
	Chemistry (M.Sc.)	204123008	ISHIKA SINGHAL	9.58
14.	Mathematics			
	Mathematics (M.Sc.)	216123005	GARVITA	9.59
15.	Management Studies			
	Master of Business Administration	215123024	DEEPA LAKSHMI M	9.69
16.	Computer Applications			
	Data Analytics (M.Tech.)	205223011	GAURI TOSHNIWAL	9.49
	Master of Computer Applications	205122020	CHIRAG AGARWAL	9.83
	Computer Science (M.Sc.)	205323001	ABHISHEK MAURYA	9.67
17.	Humanities & Social Sciences			
	English	209123003	ANNE JOSEPH	9.83

OTHER AWARDS (INSTITUTED BY RECAL)

Sl. No.	Name of the award	Roll No.	Name
1.	Overall Outstanding Student of the Year	103121012	ANJEET KUMAR
2.	Anand Chidambaram Memorial Award	102121051	SANJAYNITHIN A P
3.	Outstanding Sportsman	102121007	ANUBHAV DUTTA
4.	Outstanding Sport Woman	101120036	PRAKALYA SK
		114121062	PATHIVADA SANDHYA
5.	Best Batsman of the year	107121099	SIVASAI KM
6.	Best Bowler of the year	102121009	BANOTHU VAMSHI

Endowment Awards Guidelines

1. Architect Kharche Endowment Award

Architect Kharche Endowment award is given for the best project work carried out in Architecture branch. The endowment carries a Citation and a cash award.

2. Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture

This award is instituted by Mr. Adak, a senior executive with BHEL, whose multi-talented son, Oisik, a promising painter and poet, passed away while he was a student at NIT, Trichy. This award recognizes creativity among the students of Architecture. It carries a cash prize and a certificate.

3. Joseph Martin Fernando trophy for excellence in the study and documentation of Vernacular Architecture

This unique endowment was instituted by Prof. Fernando, formerly Professor in the department of Architecture to recognize work in the area of Vernacular Architecture.

4. Dr. Josephine Frank memorial scholarship for Graphic Design

5. Dr. S. H. Ibrahim memorial award

Dr. S. H. Ibrahim (01.07.1930 - 12.03.2008) was the founder Head of Chemical Engineering department at NIT-T (REC-T) Tiruchirappalli and played a key role in developing the department as a prestigious department in the country. Dr. S. H. Ibrahim joined NIT, Tiruchirappalli after an illustrious career at University of Madras and IISc Bangalore in 1968 and continued till 1984.

Best Student in the Field of 'Mass Transfer' in B.Tech. (Chemical Engineering)

In his memory the students of NIT-T (REC-T) created an endowment to honour the best student in the field of Mass Transfer in B.Tech. (Chemical Engineering). This award is given to students who score highest mark put together in Mass Transfer I and Mass Transfer II.

Best outgoing student in B.Tech. (Chemical Engineering)

In his memory the students of NIT-T (REC-T) created an endowment to honour the best outgoing B.Tech. Chemical Engineering student with Dr. S. H. Ibrahim memorial award for the best outgoing student for showing excellence not only in academics but also in co-curricular and extra-curricular activities in the Institute.

6. Smt. G. S. Rajalakshmi Award

This award was instituted by Mr. G. S. Ranganathan, a student of Chemical Engineering between 1986 and 1990, in memory of his mother who passed away in the U.S. in a car accident. This award is given to the first three rank holders in the department of Chemical Engineering based on their performance up to VII semester.

7. Sri Ramanujam and Smt. Sundari Ramanujam memorial Award

Sri Ramanujam and Smt. Sundari Ramanujam memorial award recognizes the best performance in English in I year B. Tech. during the academic year. This award is instituted by R. Gururaj, Associate Professor, Department of Humanities and Social Sciences, in memory of his parents. It carries a Citation and a cash prize.

8. Dr. M. Shanmugam Endowment award for I rank holder in Civil Engineering

Dr. M. Shanmugam a former Professor and Head of the Civil Engineering Department of this college was a specialist in the area of Structures. He took voluntary retirement to concentrate

on consultancy. This award goes to the topper in Civil Engineering. The endowment is currently worth Rs. 4,00,000/-. This award carries a gold medal and a Citation and is presented to a student for his/her outstanding performance from I to VII semesters.

9. Sri. Janardhana Iyengar Memorial Award

This award was instituted by Prof. M. J. S. Rangachar, a former Professor of Electronics and Communication Engineering, with an endowment of Rs. 10000/- in memory of his father. He retired from service in 1998. This award goes to the student with the best academic performance in the immediately concluded Academic year. This award carries a Citation and a cash purse.

10. Prof. S. Muthukaruppan Endowment award for the 2nd rank holder in Electrical and Electronics Engineering

Prof. S. Muthukaruppan was a faculty in the Electrical and Electronics Engineering department for more than 3 decades and retired from service 10 years ago. He has instituted an award for the 2nd rank holder in Electrical and Electronics Engineering branch. This award carries a Citation and a cash award.

11. Seethamma Memorial award for the best Electronics and Communication Engineering student

This award was also created by Dr. M. J. S. Rangachar with an endowment of Rs. 10000/- in memory of his mother. This award is given to the topper in Electronics and Communication Engineering for his/her outstanding performance up to the VII semester. The award carries a Citation and cash prize.

12. Smt. Vijayalakshmi Kannan Award

This is an award Instituted by Mr. Kannan, a senior office Staff of this Institution in memory of his wife. This award is given to the topper in Electronics and Communication Engineering department based on the performance from I to VII semesters. This award is presented to a student for his/her outstanding performance up to the VII semester. It carries a Citation and a Cash award.

13. Smt. Neela Balasubramanian Memorial Award

This award is instituted by Prof. Sekar, an alumnus and, currently, a Professor in IIM Bangalore in memory of his mother. This award is given to an Electronics and Communication Engineering student based on his performance from III to VII semesters and also based on his/her co-curricular activities. This award, that recognizes all-round excellence, carries a Citation and a cash purse.

14. Dr. A. L. Abdus Sattar Memorial Award

This award is instituted in memory of Prof. Abdus Sattar, one of the ECE Professors instrumental in developing the department during its formative years. Dr. Sattar genuinely cared for his students. As a professor, mentor, friend and guide, he was always available. Simple and unpretentious, Dr. Sattar led by example inspiring everyone who was fortunate enough to have worked with him to collaborate, and support one another undeterred by challenges. In his memory his students have instituted an award. The award is given to the outstanding student in the third year of Electronics and Communication Engineering, who best exemplifies the spirit of the late Dr. A.L. Abdus Sattar. It carries a citation and cash award.

15. Sri. Avinash memorial Award

The Avinash memorial award honours the best outgoing student of Instrumentation and Control Engineering branch. The award is given, separately, to the best outgoing Male student as well as the best outgoing female student of Instrumentation and Control Engineering branch. It carries a Citation and a cash award.

16. Prof. Ibrahim – Dr. Sitaraman Award

Prof. Ibrahim, a former Head of Chemical Engineering Department, was the Professor-incharge of the Management Programme in this Institute when this programme was introduced in 1978. He continued to head the department till he left the college in 1984. Dr. Sitaraman was a visiting faculty to the Management department since the program was introduced in this Institute. He was instrumental in giving a proper direction to the programme listing out objectives, updating the syllabus till he settled abroad in late 80s. In appreciation of the efforts of both the worthies during the formative years of the department, an endowment has been created by its Alumni which is given to the best MBA student. The endowment carries a Citation and a Cash award.

17. Prof. Thirumalaivasan Award

This award is in memory of Prof. Thirumalaivasan. He joined the Management studies department in mid 80s. He was an expert in the area of HR and came to NIT, Trichy with a very rich experience of working in Industry before turning to academics. In his memory, the award is given to the topper in HR & OB Subjects in MBA. It carries a Citation and a Cash award.

18. Prof. J. Raja award (Highest CGPA in all Accounting and Finance subjects in First Year MBA)

This was instituted in memory of Prof. Raja, formerly, HoD of the Management department. He joined the Institute in 1987 after completing his MBA programme in our Institute. After serving the Institute for close to 2 decades, he took up an assignment abroad. In order to honour his memory, the award was instituted to recognize the outstanding performance in Accounting and Finance subjects in the First Year MBA.

19. Late S. Doraiswamy memorial Award

This award is instituted by Prof. T.S. Rajan in memory of Sri. Doraisamy DGM (safety) BHEL, Trichy. The Mechanical Engineering department was the first in the country to introduce, in 1984, a Postgraduate programme to highlight the importance of safety. This award is given to the topper in M.Tech. Industrial safety Engineering programme.

20. Mr. Subash Chandrabose endowment award for the Best Outgoing Student in B.Tech. Metallurgical and Materials Engineering

This was instituted by Mrs. Saraswathi, a former senior superintendent at our Institute. This award is presented to the topper in Metallurgical and Materials Engineering branch.

21. M/s. Chennai Metco (P) Ltd award for the Best outgoing student in MME and Metallographic contest winners**22. Dr. K.S. Pandey memorial Awards**

A sum of Rs. 1.17 lakh endowment was created in 2016 for this award by Dr. (Mrs.) S. K. Pandey, formerly Professor of Chemical Engineering, NIT-T and, later, Director of NIT, Srinagar, Sant Longowal Institute, Punjab and NIT Karaikal, Puducherry.

Dr. K. S. Pandey memorial outstanding student award

Dr. K. S. Pandey memorial goes to the outstanding student award for a final year Metallurgical and Materials Engineering student. The student should be within top 10% of the class or within 10 ranks based on CGPA at the end of the 7th semester. Moreover, the awardee should be active in sports. The student is also given weightage for co-curricular and extracurricular activities. The award carries a citation and a cash prize of Rs. 5000/-

Dr. K. S. Pandey memorial academic achievement award

This is based on CGPA at the end of five semesters in B.Tech. Metallurgical and Materials Engineering programme. The award carries a citation and a cash prize of Rs. 3000/-

23. Shri. M. S. Balakumaran Endowment award for the 1st rank holder in M.Tech. Non-Destructive Testing

Shri. M. S. Balakumaran, a former student of M.Tech. Non Destructive Testing has created an endowment to honour the 1st rank holders. This award carries a Citation and a cash prize and is presented to a postgraduate for his / her excellent performance throughout the M.Tech. NDT Programme.

24. Karthik S Memorial Award

This award has been instituted by the Parents of S. Karthik whose career was nipped in the bud due to an accident. He was a student of Production Engineering department. This award is given to the topper in Production Engineering Department. Incidentally, the father of the late Karthik is a senior professor in the department of Civil Engineering, Dr. G. Swaminathan. The endowment carries a Citation and a Cash award.

25. NCC Cadet award**26. Anjali Surendran Endowment Award**

Ms. Anjali Surendran was a student of B.Tech. (Production Engineering) of 2017 - 2021 batch and she passed away during third year of her study at NIT Tiruchirappalli. She was an extremely talented student not only in academics but also in extracurricular activities especially in Music and Dance. This award is instituted in her memory and awarded to the best outgoing student from B.Tech. Production Engineering branch.

27. Dr. Sargurudoss Memorial award for the Best Mathematics Student in B.E. / B.Tech.

This award has an interesting background. It is instituted in memory of the (Late) Dr. Sargurudoss, a Professor from Bishop Heber College, Tiruchirappalli. This award that comes with a citation and cash prize goes to the student for the best performance in Mathematics in the 1st year.

28. S J Chainulu Medal of Excellence (For the First Rank Holder in First year) - 10 Awards

This award with an endowment of Rs. 4 lakhs have been instituted by parents of S J Chainulu, who was earlier our student. This award is given to the toppers in the 1st year B.Tech. programme in each branch. The award carries a Medal and a certificate.

29. RECT'78 Alumni medal for the best outgoing girl student

Best Outgoing girl Student (B.Tech.)

The following awards are Instituted by the REC Alumni (RECAL):**1. Overall Outstanding Student of the year**

The outstanding student of the year is based on achievements in Academic / Sports / Cultural spheres besides Participation in social and voluntary organizations. This award carries a Citation and a Gold medal.

2. Anand Chidambaram Memorial Award (Cash) / Tenth Rank Holder in Chemical Engineering

Anand Chidambaram was a student of chemical engineering department from 1985 – 1989. He was a sweet and charming personality, admired not only by his classmates but also by faculty. He was the 10th rank holder when he graduated from this Institute. In his memory his parents have instituted an award for the 10th rank holder of Chemical Engineering branch based on the performance from I to VII semesters. This award carries a Citation, Cash prize and a memento.

3. Ramesh Sampath Memorial Award for outstanding cricketer of the year

Mr. Ramesh Sampath was an old student of this college, and graduated in Electronics and communication Engineering branch in 1972. He had represented Trichy district cricket association & Madras University while he was a student of this college. Subsequently he joined ISRO and played for Kerala state. He was a prolific scorer against famous spinners likes EAS Prasanna, B.S Chandrasekhar and S. Venkatragavan. It was no surprise when he was selected to represent south zone in Duleep trophy matches. He met with a tragic accident while he was holidaying at Goa and passed away in 1992. In his memory RECAL honours the best REC cricketer every year. This award carries a citation, memento and a cash award of Rs 500/-.



DEPARTMENTS



PROFILE OF DEPARTMENTS

DEPARTMENT OF ARCHITECTURE

The Department of Architecture at NIT Tiruchirappalli is dedicated to excellence in architectural education, research, and practice. It offers a five-year Bachelor of Architecture (B.Arch.) program, a Master of Architecture (M.Arch.) in Energy Efficient and Sustainable Architecture, and a Ph.D. program, fostering expertise in sustainable design, advanced building technologies, and research-driven innovation. The curriculum integrates design, technology, and sustainability, emphasizing hands-on learning, studio-based pedagogy, and interdisciplinary collaboration. The department is equipped with state-of-the-art facilities, including design studios, building science labs, environmental science lab and model making workshops, enabling students to explore cutting-edge architectural solutions. Research focuses on areas such as thermal comfort, acoustics, urban planning, and inclusive design, contributing to national and international discourse. With experienced faculty guiding students in design thinking, parametric modeling, and environmental responsiveness, the department actively collaborates with industry, academia, and government bodies through workshops, guest lectures, and research projects. Students participate in prestigious competitions, earning recognition for their innovative designs. With a strong alumni network and a commitment to societal impact, the Department of Architecture at NIT Trichy continues to shape future architects and researchers who are both visionary and responsible, addressing the evolving challenges of the built environment.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		3	3	16	4
2.	Research Citations	Scopus		61	
3.	Conference / In Proceedings	National		International	
		-		7	
4.	Books / Chapters	Books		Chapters	
		-		4	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		1		10	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		1		96	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		1		12	8
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		3		1	8
10.	Guest Lectures	Delivered		Organized	
		2		2	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		5		20	
13.	Ph.D. graduation	Full Time		Part Time	
		5		1	



ARCHCULT, October 2024



IIA NIT Student Centre Inauguration, Feb, 2025

DEPARTMENT OF CHEMICAL ENGINEERING

Established in 1967, the Department of Chemical Engineering, NIT Tiruchirappalli is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. It has also the distinction of being ranked as one of the top seven Chemical Engineering divisions in India. The department's vision is to be a global center of academic and research excellence to serve the society. Chemical Engineering department, NITT is recognized as one of the leading departments offering B.Tech. (Chemical Engineering), M. Tech. (Chemical Engineering), M. Tech. (Process control and Instrumentation) in collaboration with ICE department, and Ph.D. programme. Our publications are featured in top journals with high impact factor. Core research specialization of the Department includes Energy (Alternate fuels, fuel cell technology, bioenergy), Environment (Biochemical and bioprocess separations, wastewater treatment, membrane technology, Sonochemical processes, electrochemical operations), Process control (Linear and non-linear predictive control, modelling) and Advanced Materials (Particulates, functional materials). The Department is proud to share that our Alumni occupies prestigious positions across the globe. The Department has initiated interaction with Industry to set up pilot plant which is being equipped with the state-of-the-art instrumentation to validate the design models and evaluate the process parameters. The department provides service through consultancy projects and continuing education courses in identified research areas

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		4	37	60	30
2.	Research Citations	Scopus		5568	
3.	Conference / In Proceedings	National		International	
		15		15	
4.	Books / Chapters	Books		Chapters	
		1		14	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		6		107.45	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	5
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		8		-	6
10.	Guest Lectures	Delivered		Organized	
		28		6	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		4	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		105		65.47	
13.	Ph.D. graduation	Full Time		Part Time	
		4		1	

(a) BIS technical session on safety & hazards, paint & varnishes, cosmetology on the 22nd of January 2025 at GJCH2 NIT Tiruchirappalli. (b) Inauguration of Chemical Engineering Association, 28th of October 2024. Chief Guest: Mr. Rohit Kumar Aggarwal, Director of CPCL Chennai.



(a)



(b)

DEPARTMENT OF CHEMISTRY

The Department of Chemistry possesses excellent facilities and sophisticated equipment for the students during their course of study. The Department has five laboratories namely, B.E/B.Tech. lab, PG lab, Instrumentation lab, Computer lab and Research lab, which are well equipped to meet the demands of the students. The Department continues to be recognized as one of the major post-graduate centres in Chemistry in Tamil Nadu and has been cited for our excellence. Recent achievements include a collaborative investigation study with University of Melbourne, Australia, Kaohsiung Medical University, Taiwan towards the development of the food nutrients. The curriculum is a blend of the conventional and the radical. It is updated regularly to keep up with the growing demands and the challenging trends of the industry and the research laboratories. Our vision is to become a world-class centre in Basic and Applied Chemistry. Our mission is to impart and enhance the advanced knowledge and skills of students and professionals to meet the global challenges, to offer effective solutions to the industries through research and consultancies and to address rural needs through research and eco-friendly solutions.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		36	11	93	50
2.	Research Citations	Scopus		15944	
3.	Conference / In Proceedings	National		International	
		-		5	
4.	Books / Chapters	Books		Chapters	
		-		8	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		1		6.67	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		1 (2025)		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		2	-
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		36		1	3
10.	Guest Lectures	Delivered		Organized	
		39		1	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		1. Probe Sonicator 2. I-V Analysis system 3. Chiller 4. Vacuum Pump 5. Yasra software 6. Pymol software		7	
13.	Ph.D. graduation	Full Time		Part Time	
		9		-	

(a) Diamond Jubilee Seminar by Dr. Damien Vandembroucq (Director, PMMH, CNRS, France) organized on 25.11.2024 (b) R. Anjali, Research scholar got Best oral presentation award in an "International Conference on Biobased Environment for Sustainable Territory (ICBEST-24)" on November 07-08, 2024 organized by Department of Chemistry, Government College, Rajahmundry, Andhra Pradesh.



(a)



(b)

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering has been one of the oldest and finest departments of the Institute. Right from its inception in 1964, it has been involved in fulfilling its vision to shape infrastructure development with societal focus and thus accomplish its mission by providing professional Civil Engineers who will work for society. The Department offers an Undergraduate programme in Civil Engineering and five Postgraduate programmes in Transportation Engineering and Management, Structural Engineering, Environmental Engineering, Geotechnical Engineering and L&T-sponsored Construction Technology and Management. The Department also offers M.S. and Ph.D. (Full time & Part time) for aspiring researchers.

The department has the largest faculty strength proportion in the Institute, who are dynamic and highly motivated towards teaching and research. They specialize in diverse research areas and handle various research projects funded by the GoI agencies and consultancy projects. The department is recognized as the Nodal center by the State Technical Agency (STA) for PMGSY works. Department has got two centers namely Center of Excellence in Transportation Engineering (CETransE), and the Centre for Condition Assessment and Management Plan for Cauvery River Basin (cCAUVERY).

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		9	43	90	44
2.	Research Citations	Scopus		3321	
3.	Conference / In Proceedings	National		International	
		16		57	
4.	Books / Chapters	Books		Chapters	
		1		13	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		6		980.38	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		258		259.8182	
7.	Patents	Granted		Published	Filed
		2		2	3
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		1		1	14
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		22		8	20
10.	Guest Lectures	Delivered		Organized	
		42		15	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		2		6	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		24		108.799	
13.	Ph.D. graduation	Full Time		Part Time	
		8		3	

(a) 14th Structural Engineering Convention organized by Department of Civil Engineering, NIT Tiruchirappalli, 13-14 December 2024. (b) Dr. Sunitha V received the "IEI Women Engineer Award 2025" on 17.03.2025



(a)



(b)

DEPARTMENT OF COMPUTER APPLICATION

The Department of Computer Applications is one of the pioneering departments of the institution that offers Information Technology courses such as MCA and one among the top five offering MCA courses in the country. This department currently offers three full-time post-graduate programmes — three-year Master of Computer Applications (MCA), two-year Master of Science in Computer Science, two-year M.Tech in Data Analytics and also research programme (Ph.D) in the various fields of Computer Science & Applications. This department comprises of 18 faculty members (All of them with doctorate degrees) and is actively involved in research and in carrying out projects besides teaching. The persistence of the dedicated faculty in maintaining the standards is manifest in the successful placement and in the production of Ph.Ds.

The students are provided with ample opportunities to improve their organizational skills and group dynamics. They are motivated to handle seminars and to participate in group discussions. Apart from emphasizing on consistent and good academic performance, the department encourages participation in the co-curricular and extra-curricular activities to bring out the latent talents in its students.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		-	21	54	29
2.	Research Citations	Scopus			
		1201			
3.	Conference / In Proceedings	National		International	
		-		8	
4.	Books / Chapters	Books		Chapters	
		-		7	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		1		21.58	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		1		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	2
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		-		-	4
10.	Guest Lectures	Delivered			Organized
		30			4
11.	Fellowships / Internships in Abroad	Faculty			Students
		-			3
12.	Procurement of Equipment	Number			Amount (in Lakhs)
		9			72
13.	Ph.D. graduation	Full Time			Part Time
		3			3

(a) 14th Structural Engineering Convention organized by Department of Civil Engineering, NIT Tiruchirappalli, 13-14 December 2024. (b) Faculty Recognition 2024



(a)



(b)

DEPARTMENT OF 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) and research programmes (M.S. and Ph.D.) in Computer Science and Engineering. The department currently hosts 22 faculty members. The department has proven its excellence in research by publishing 24 papers in reputed journals and 9 publications in international conferences for the year 2024 - 2025. The faculty and students of the department have received various awards. The department association (CSEA) has conducted VORTEX, a technical symposium and has arranged workshops and guest lectures from reputed industries and organizations.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		2	14	60	25
2.	Research Citations	Scopus			
		494			
3.	Conference / In Proceedings	National		International	
		-		9	
4.	Books / Chapters	Books		Chapters	
		-		1	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		-		-	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		1		9,73,500	
7.	Patents	Granted		Published	Filed
		1		-	-
8.	Technical Events Organized by the Department	Workshop		FDP	Certification Course
		1		1	1
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Symposium
		-		-	2
10.	Guest Lectures	Delivered		Organized	
		5		2	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		2		28.2	
13.	Ph.D. graduation	Full Time		Part Time	
		1		-	

(a) Inauguration of Vortex 2025, 07th March 2025 (b) Two Week Summer Certification Course on "Android App Development", 1st July – 12th July, 2024



(a)



(b)

DEPARTMENT OF ELECTRICAL AND ELECTRONIC 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. After the institute became NIT, the department has grown not only in terms of student and faculty strength, but also in improving the laboratory facilities for the teaching and research purposes. Thus, the department has dedicated and state of the art teaching / research laboratories. The department is recognized for excellence in research (First Department in NIT-T to be accorded QIP status for Ph.D. programme), teaching and service to the profession. The faculty members have strong sense of responsibility to provide the finest possible education for both graduate and undergraduate students. The academic strength of the faculty is reflected by the alumni, many of whom are in the top echelons of industry and academia both in India and abroad.

QS World University Rankings by subject 2026 : 501-550

NBA Accreditation : B.Tech. (EEE) 6 Years - till AY 2027-28

"Best Department Award 2024" by NIT Tiruchirappalli

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		20	20	50	18
2.	Research Citations	Scopus			
		2872			
3.	Conference / In Proceedings	National		International	
		7		66	
4.	Books / Chapters	Books		Chapters	
		2		8	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		4		200.64	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		1		5.9	
7.	Patents	Granted		Published	Filed
		4		3	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	4
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		55		3	13
10.	Guest Lectures	Delivered		Organized	
		40		4	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		7	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		113		63.88	
13.	Ph.D. graduation	Full Time		Part Time	
		5		3	

(a) Best Department Award
(03 May 2024) (b) EEE
Association Activity
(31 Jan 2025)



(a)



(b)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (ECE) was started in the year 1968. The department offers one B.Tech. Programme and two M.Tech. Programmes, namely Communications Systems and VLSI Systems, and all programmes are NBA Accredited. The ECE department offers research programmes (M.S. and Ph.D.) in leading areas of Electronics and Communication Engineering and produced 133 PhD graduates.

The Electronics and Communication Engineering (ECE) department at NIT Trichy showcases extensive R&D expertise, excelling in areas like wireless communication, signal processing, and VLSI design. Our pioneering research spans from next-gen communication systems to biomedical electronics, consistently pushing boundaries in technology and innovation, and fostering collaborations that drive advancements in various industries.

The department has 31 dedicated and research-focused faculty members, 11 staff members, well-equipped 12 Curricula and 18 research laboratories. The department has a track record of winning the overall championship in NITFEST for the past 7 years.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		10	52	76	21
2.	Research Citations	Scopus		2564	
3.	Conference / In Proceedings	National		International	
		5		35	
4.	Books / Chapters	Books		Chapters	
		3		14	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		6		478.76	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		2		3	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	5
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		7		1	13
10.	Guest Lectures	Delivered		Organized	
		45		8	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		46		75.765	
13.	Ph.D. graduation	Full Time		Part Time	
		12		2	

(a) PROBE 2025 Inauguration



(a)

DEPARTMENT OF ENERGY AND ENVIRONMENT

Department of Energy and Environment (DEE), formerly, the Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (present-day NITT) in 1995, under the auspices of UK – India RECs Project: Energy Theme. CEESAT was renamed as the Department of Energy and Environment in 2012. The mission of DEE is to develop solutions for a better energy and environmental future, through the development of technical human resources and technology. DEE is housed in an energy-efficient building with the least carbon footprint. DEE harbors an NABL-accredited calibration lab and ISO 9001:2008 certified state-of-the-art laboratories equipped with sophisticated instruments and software, to cater to academic and industrial research needs. DEE aids high-spirited research and teaching in the areas of sustainable energy technologies, environmental pollution control, energy and environmental audit. The time of the department is shared equally between academics, research and consultancy activities. The consultancy services offered include solid and liquid testing, calibration, and energy auditing of industries and academic institutes. The department is committed to converting its research outcomes into real-time technologies that are useful to society and industry.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		1	10	14	6
2.	Research Citations	Scopus		424	
3.	Conference / In Proceedings	National		International	
		2		1	
4.	Books / Chapters	Books		Chapters	
		-		4+2 (Under Review)	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		4		52.35	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		92 samples		0.33	
7.	Patents	Granted	Published	Filed	
		1	-	-	
8.	Technical Events Organized by the Department	Conference	Seminar	Workshop	
		-	-	1	
9.	Technical Events Attended by Faculty and Students	Conference	Seminar	Workshop	
		6	-	2	
10.	Guest Lectures	Delivered		Organized	
		13		1	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		1	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		49		50.29	
13.	Ph.D. graduation	Full Time		Part Time	
		1		-	

(a) ICGH - Conference at New Delhi On 11-13 Sep 2024,
(b) Karyashala workshop



(a)



(b)

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Established in 2004, the Department of Humanities and Social Sciences is renowned for its interdisciplinary research and collaborative environment. The department offers a diverse curriculum tailored to meet the evolving needs of industry, business, academia, and public organizations, equipping students with the skills to tackle real-world challenges.

The department provides a wide range of core and elective courses for undergraduate and graduate students. It has offered a full-fledged Ph.D. program since its inception, producing impactful research in emerging areas of Humanities and Social Sciences. Additionally, Minor Degree Courses in Economics and Language/Literature reflect its commitment to expanding academic opportunities. In 2020, the department introduced the MA English (Language and Literature) program, designed to provide comprehensive education in English studies through innovative pedagogy and research. The program emphasizes communication, critical thinking, research skills, ethical values, and career readiness. With a focus on practical application and professional relevance, the department fosters innovation through dynamic faculty-student collaboration. By bridging disciplines and addressing contemporary challenges, it continues to shape well-rounded graduates while advancing the frontiers of humanities and social sciences education.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		3	-	48	27
2.	Research Citations	Scopus			
		210			
3.	Conference / In Proceedings	National		International	
		4		3	
4.	Books / Chapters	Books		Chapters	
		1		8	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		3		86	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		1	1 (FDP)
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		12		2	5
10.	Guest Lectures	Delivered		Organized	
		62		3	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		1 (Fellowship)		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		20 units		30	
13.	Ph.D. graduation	Full Time		Part Time	
		8		1	

(a) One-day Conclave on Integrating Humanities into STEM in S&T Institutes: Suggestions from NEP 2020
10-11-24,

(b) Inauguration, Lexicon '24
24-02-25



(a)



(b)

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

The Department of Instrumentation & Control Engineering (ICE) was established in 1993 & the first batch of UG students graduated from the dept. 1997. After the institute became NIT, the department has grown not only as an esteemed teaching facility but also as a pioneer in field of research. The department offers Undergraduate (UG)- B.Tech., Postgraduate (PG)- M.Tech. in Industrial Automation, & M.Tech. in Process Control & Instrumentation (offered jointly with the dept. of Chemical Engineering) & research programmes- M.S. (by Research) & Ph.D. programmes that provide students with the knowledge and tools they need to succeed in the field of instrumentation and control. ICE Dept. has 17 regular faculty members who are working intensively in network control system, energy harvesting, product development, assistive devices, cyber physical system, next generation controllers, automation for agriculture, smart materials and structures, biomedical instrumentation, path planning algorithms for unmanned vehicles, intelligent control of big data systems & well qualified, experienced technical/supporting staff. All the labs of the dept. are very well established with adequate facilities such as sufficient hardware & licensed software with necessary safety measures to cater to the needs of the UG & PG curriculum & research. The Dept. got 6 Years of NBA Accreditation for UG programme & has been awarded a prestigious ₹145 lakh grant under the DST-FIST scheme for the project titled "Design and Development of Centre for Agricultural Robotics." The department is going to offer PG Diploma in Healthcare Technology program from the academic year 2025-26.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		9	15	28	7
2.	Research Citations	Scopus			1656
3.	Conference / In Proceedings	National			International
		-			28
4.	Books / Chapters	Books			Chapters
		-			5
5.	Sponsored Projects	Numbers			Amount (in Lakhs)
		2			90.34
6.	Consultancy	Numbers			Amount (in Lakhs)
		1			20.06
7.	Patents	Granted		Published	Filed
		1		2	2
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		2	4
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		20		-	-
10.	Guest Lectures	Delivered			Organized
		11			17
11.	Fellowships / Internships in Abroad	Faculty			Students
		-			4
12.	Procurement of Equipment	Number			Amount (in Lakhs)
		12			17.5
13.	Ph.D. graduation	Full Time			Part Time
		6			-

(a) ICE Association
inauguration 25th Oct 2024,
(b) Sensors '25 inauguration
07th March 2025



(a)



(b)

DEPARTMENT OF MANAGEMENT STUDIES

The Department of Management Studies (DoMS) at NIT Trichy has been a pioneer in cultivating business leaders equipped with exceptional expertise and managerial acumen for nearly four decades. Established in 1978, DoMS remains steadfast in its mission to contribute to society through excellence in education, cutting-edge research, and impactful consultancy services. The department takes pride in its dynamic academic environment, enriched by the annual organization of workshops, conferences, and conclaves that foster knowledge exchange and thought leadership.

Furthermore, DoMS strategically leverages the vast intellectual and infrastructural resources of other engineering departments at NIT Trichy, fostering interdisciplinary collaboration that enhances research and academic initiatives. Our pedagogical approach is deeply rooted in experiential learning, emphasizing the practical application of management theories and analytical techniques in real-world business scenarios.

With a relentless commitment to academic excellence and industry relevance, we continually refine our MBA program to align with evolving market trends, ensuring our graduates emerge as dynamic, future-ready professionals capable of driving innovation and transformation in the global business landscape.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		-	1	38	23
2.	Research Citations	Scopus		587	
3.	Conference / In Proceedings	National		International	
		-		-	
4.	Books / Chapters	Books		Chapters	
		-		-	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		2		11	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		1		5	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	3
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		4		-	12
10.	Guest Lectures	Delivered		Organized	
		40		51	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		13		23.74	
13.	Ph.D. graduation	Full Time		Part Time	
		7		5	

(a) 5-day Advanced MDP on The Power of SHE: Women's Journey to Business Leadership, sponsored by the Ministry of Micro, Small, Medium Enterprises, Government of India. dt. December 02, 2024,

(b) INACON 2024- Panel discussion titled "Sustainable Leadership: Driving Positive Impact on People, Planet & Profit: dt. December 7, 2024



(a)



(b)

DEPARTMENT OF MATHEMATICS

The Department of Mathematics was established in 1964 along with the inception of the then Regional Engineering College, Tiruchirappalli. Handling Mathematics courses to B. Tech., M. Tech., M.Sc. And Ph.D. students of the Institute. The Department of Mathematics offers M.Sc. And Ph. D. degree programs in mathematics and its applications for students to pursue their career in both academics and industry. Recently the department got funding from DST – FIST. The Department of Mathematics at NIT Trichy boasts diverse R&D expertise, focusing on mathematical modeling, analysis, and computational techniques. Their strengths lie in interdisciplinary collaborations, contributing to advancements in fields like optimization, cryptography, and fluid dynamics, shaping solutions for real-world challenges through innovative mathematical approaches. The department is conducting workshops, seminars and conferences in the different areas of theoretical and applied mathematics, periodically.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		-	31	38	11
2.	Research Citations	Scopus		1329	
3.	Conference / In Proceedings	National		International	
		-		-	
4.	Books / Chapters	Books		Chapters	
		1		1	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		1		32.80288	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	1
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		9		2	3
10.	Guest Lectures	Delivered		Organized	
		6		-	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		21		11.94344	
13.	Ph.D. graduation	Full Time		Part Time	
		8		-	



DEPARTMENT OF MECHANICAL ENGINEERING

The department excels with 25 faculty members with highly qualified, diversified faculty members. QS World ranking recognized the Department of Mechanical Engineering, within the top 501-575 of subject ranking for the seventh consecutive year since 2017. B. Tech-Mechanical Engineering course received NBA accredited for five years (2023-2028). 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.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		22	26	50	18
2.	Research Citations	Scopus			
		5809			
3.	Conference / In Proceedings	National		International	
		1		8	
4.	Books / Chapters	Books		Chapters	
		-		4	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		9		287.50	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		4		18.40	
7.	Patents	Granted		Published	Filed
		9		-	4
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		10	29
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		8		2	9
10.	Guest Lectures	Delivered		Organized	
		22		26	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		5	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		37		62.2	
13.	Ph.D. graduation	Full Time		Part Time	
		6		7	

(a) Guest Lecture delivered by Dr. Harjit Singh, Professor, Brunel University, London, UK. Topic: Advanced Insulation Materials for Building application during July 2024.,



(a)

(b) Dr. S. Suresh, HoD – Mechanical, successfully led the ISRO-STIC-funded project titled "Development of Ammonia Based Flexible Heat Pipe for Space Application" (Sanction No: NO.BDS_2B-13012(2)/14/2020-Sec.2 Dt:11.11.2020), which commenced on 26th March 2022 with a sanctioned amount of Rs. 24,99,112.00 and a duration of two years. The project achieved its objectives, culminating in the successful presentation and report submission at the project closure meeting held at NITT, Trichy, on 19th February 2025.



(b)

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

The Department of Metallurgical and Materials Engineering (formerly Department of Metallurgical Engineering.) admitted the first batch of B.E. students in 1967. 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 faculties are handling projects sponsored by agencies like MHRD, DRDO, AICTE, DST, NRB and Tata Steel. The department is accredited for 6 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.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		4	12	19	4
2.	Research Citations	Scopus		2846 / 19248 (Total)	
3.	Conference / In Proceedings	National		International	
		4		-	
4.	Books / Chapters	Books		Chapters	
		2		-	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		3		108	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		2		1.7	
7.	Patents	Granted		Published	Filed
		2		-	1
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		2	1
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		-		-	-
10.	Guest Lectures	Delivered		Organized	
		2		-	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		4	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		44		86	
13.	Ph.D. graduation	Full Time		Part Time	
		9		2	

(a) Trichy Collector Sri M. Pradeep Kumar IAS kick starting cleaning drive using magic bag And Prof. S. Muthukumaran carrying out cleaning of pond with volunteers using Magic Bag,

(b) Dr. P. Laxman Mani Kanta received project approval letter from Shri. G. Kishan Reddy, Union Minister of Mines at Chintan Shivir event, New Delhi.



(a)



(b)

DEPARTMENT OF PHYSICS

The Department of Physics offers credit-based courses for M.Sc.(Physics), M.Tech. (Non-Destructive Testing), Ph.D, B.Sc. B.Ed. and 1st year B.Tech. students. The Department is equipped with highly compelling research laboratories hand-in-hand with academic laboratories. The M.Tech. in Non-destructive testing is a unique programme with state-of-the-art facilities. Student chapters like OSA and SPIE, which allow students in remote neighborhoods to get a glimpse of fundamental physics by demonstrating eye-catching experiments, are also encouragingly accommodated. Lectures by eminent scientists and Nobel laureates are arranged regularly in association with the SPIE-OSA student chapters. The Department is supported by the DST under the Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) scheme. The Department established various research facilities with funding from various agencies such as DRDO, DST and CSIR.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		86	24	110	26
2.	Research Citations	Scopus			
		4524			
3.	Conference / In Proceedings	National		International	
		3		-	
4.	Books / Chapters	Books		Chapters	
		1		3	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		2		130	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		2		0.01	
7.	Patents	Granted		Published	Filed
		1		1	1
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		1		-	2
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		9		-	3
10.	Guest Lectures	Delivered		Organized	
		16		13	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		7	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		81		89	
13.	Ph.D. graduation	Full Time		Part Time	
		16		2	

(a) Symposium on Progress in Pulsed LASER Technology – Nobel laureate (2023) Prof. Pierre Agostini lecture on 'Techniques and applications of attosecond pulses' on 31st August 2024,

(b) One day physics laboratory training' for School students on 24th May 2024.



(a)



(b)

DEPARTMENT OF PRODUCTION ENGINEERING

Production Engineering (PE) is an interdisciplinary engineering that includes manufacturing technology, engineering sciences, management science, and optimization of complex processes, systems, or organizations. The Department of Production Engineering offers B.Tech. (Production Engineering), M.Tech. (Manufacturing technology), M.Tech (Industrial Engineering and Management), M.S. and Ph.D. programmes. State-of-the-art laboratories are available in the domains of Manufacturing and Industrial Engineering & Management. Twenty-Seven core faculty members are associated with the Department. With the contributions made by faculty members, staff members, research scholars and students, the Department bagged Best Department Award two times. The Department excels in teaching and research in terms of offering state of art courses for students, Publications, Citations, Projects and Ph.D. guidance. More than 200 Ph.D. scholars graduated from the Department. B.Tech. and M.Tech. programmes were accredited by NBA. Department students have active role in co-curricular and extra-curricular activities.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles	SCI	SCIE	Scopus	Q1
		16	40	85	27s
2.	Research Citations	Scopus			
		6291			
3.	Conference / In Proceedings	National		International	
		-		7	
4.	Books / Chapters	Books		Chapters	
		1 (Edited)		8	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		1@+10*		10.05L@ + 161.1L*	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		2		2	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		1	1
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		11		1	4
10.	Guest Lectures	Delivered		Organized	
		15		10	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		3	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		24(14+10#)		33.5L	
13.	Ph.D. graduation	Full Time		Part Time	
		5		4	

@Project sanctioned during AY 2024-25

*Grants committed/received for ongoing projects during AY 2024-25

AIO Workstations

(a) Hybrid workshop sponsored by ANRF-SERB "Manufacturing and Characterization of Advanced Materials for Healthcare and Defense applications organized during November 18-23, 2024,



(a)

(b) Inaugural function of the Production Engineering Association activities October 24, 2024



(b)

DEPARTMENT OF COMPUTER SUPPORT GROUP

The Computer Support Group serves as the backbone of the Institute, and caters to the hardware, software, networking requirements of the faculty, staff and student community. The OCTAGON Computer Center, the sterling hallmark of this campus was opened with the theme of "Dare to Dream".

Its having state of art lab Infrastructure with High-End Workstation Computer. The department also providing multiple IT services to the Institute.

The Department has organized various skill development courses and training programs for all the Institute's staff. This year, 2000+ students and 61 staff from 20+ schools and colleges from all over Tamil Nadu have visited the department to learn about the various facilities operated here.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.
1.	Wi-Fi Infrastructure	29 Hostels, SAC, Administrative Block equipped with 4000+ FTTH ONT
2.	Software	IT Act 2024 New Regime implemented in MIS
3.	Lab AV Infrastructure	CSG Lab Equipped with Podium and Audio Systems.
4.	Training	Conducted Skill development program for the Technical Staffs and TAFFCORN.
5.	IT Support to the Recruitments	IT Infrastructure support provided to Faculty Recruitment CBT Exams, Non-Teaching Group A, B, C CBT Exams, NIT Agartala Exam.

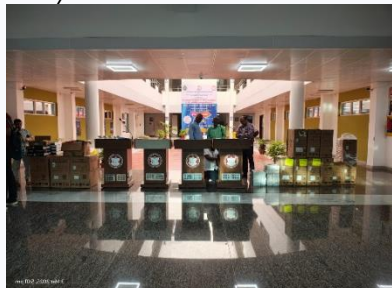
Hostels and Administrative Block equipped with Wi-Fi FTTH



Exams Conducted for Non-Teaching Recruitments and NIT Agartala



Newly Purchased Audio Devices



Skill development program for TAFFCORN staffs



DEPARTMENT OF CENTRAL LIBRARY

The Central Library, established in 1964, serves as the heart of academic excellence at the Institute. Its state-of-the-art hybrid library offers a vast collection of over 1.5 lakh documents, including technical books, journals, e-resources, reports, and standards. With subscriptions to 84+ print journals, 8,000+ e-journals, 1,995+ e-books, and 17,690 back volumes, the library caters to diverse disciplines such as Engineering, Science, Technology, Humanities, Social Sciences, and Management. It has also developed a specialized collection for the ITEP programme. The library leverages smart technology, including RFID, for automated circulation and security. It has upgraded LibSys 10 LMS (Cloud Version) for library automation operations, and a modernized Digital Knowledge Centre equipped with 30 computers and AC facilities. As a member of NDLI, DELNET, and One Nation One Subscription (ONOS), it provides access to premium digital resources. To further enhance research accessibility, the library has signed an MoU with Shodhganga, enabling submission and access to Indian theses and dissertations. Its institutional membership with the DAISY Forum of India also ensures inclusive access for visually impaired users. Continuously evolving, the Central Library remains committed to fostering innovation, research, and lifelong learning.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
		SCI	SCIE	Scopus	Q1
1.	Journal Articles	-	-	-	-
2.	Research Citations	Scopus		-	
3.	Conference / In Proceedings	National		International	
4.	Books / Chapters	2		2	
		Books		Chapters	
		-		-	
5.	Sponsored Projects	Numbers		Amount (in Lakhs)	
		-		-	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents	Granted		Published	Filed
		-		-	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	-
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		3		2	
10.	Guest Lectures	Delivered		Organized	
		3		-	
11.	Fellowships / Internship in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		Computers – 42		25 Lakhs	
		Air Conditioner – 8		2.90 Lakhs	
		ITEP Books – 68		1.64 Lakhs	
		Titles			
13.	Ph.D. graduation	Full Time		Part Time	
		-		-	

Release of the Current Awareness Bulletin (CAB) featuring books procured through the Book Exhibition held on October 11, 2024 on the occasion of Saraswathi Pooja.



DEPARTMENT OF TRAINING AND PLACEMENT

The Department of Training & Placement caters to career aspirations of the entire Institute ranging from undergrads to masters to PhD scholars. Despite the global economic slowdown and concomitant sluggish placements across campuses, the Institute registered a competitive placement during the current year 24-25, securing jobs for close to 1150 students representing an impressive 80% placement of the registered students as on date (19-03-25). With the placement process still in progress, the Institute is expected to end the year with near normal placements, despite unfavorable job market tremors triggered by tech developments and geopolitical uncertainties.

NIT Trichy Organizes the First ever All NITs T&P Conclave

In a first of its kind, T&P initiated and organized the first ever "All NITs T&P Conclave" on 28th June, 2024.

The historic first meet attended and represented by T&P Heads of 21 NITs was inaugurated by the Director, NIT Puducherry and served as platform for synergy and collaboration benefiting all NITs.

The all NITs T&P conclave has come to stay as a regular feature with the NIT fraternity with many NITs vying to host the subsequent meets.

Department Achievements (AY 2024 - 25)

S. No.	Details	Total Nos.			
1.	Journal Articles *	SCI	SCIE	Scopus	Q1
		1	1	-	-
2.	Research Citations	Scopus			
3.	Conference / In Proceedings	National		International	
		-		-	
4.	Books / Chapters	Books		Chapters	
		-		-	
5.	CSR Projects**	Numbers		Amount (in Lakhs)	
		1		96	
6.	Consultancy	Numbers		Amount (in Lakhs)	
		-		-	
7.	Patents*	Granted		Published	Filed
		1		1	-
8.	Technical Events Organized by the Department	Conference		Seminar	Workshop
		-		-	-
9.	Technical Events Attended by Faculty and Students	Conference		Seminar	Workshop
		-		-	-
10.	Guest Lectures	Delivered		Organized	
		-		-	
11.	Fellowships / Internships in Abroad	Faculty		Students	
		-		-	
12.	Procurement of Equipment	Number		Amount (in Lakhs)	
		-		-	
13.	Ph.D. graduation*	Full Time		Part Time	
		1		-	

*As faculty of Dept of Energy & Environment; ** BPCL CSR funding for SCIEnt/Tech Clubs

Prof Makarand Madhao Ghangrekar, Director, NIT Puducherry inaugurated on 28th June'24, the 1st All NITs T&P Conclave organized by NITT,



ESTATE MAINTENANCE DEPARTMENT

The Estate Maintenance department (EMD) is maintaining the Civil & Electrical works of the NITT campus. In addition to the regular maintenance works the allied works like Water supply, Power supply, DG maintenance, Lift, Air-conditioner maintenance, Housekeeping works(Institute & Quarters), Horticulture and Sewage Treatment Plants (STP) are also maintained by the EMD. The EMD prepares proposal based on the need of different departments for construction of new buildings, renovation of the existing systems, electricity requirements, etc.,

The Construction activities for the following Six departments Annex buildings are under Progress.

- Mechanical Engineering department
- MME department
- Production Engineering department
- Civil Engineering department
- ICE department
- EEE department

In addition to that, EMD has carried out few other Capital works like:

- Construction of Scient Annex Building
- TATA AI centre in the CIDEA building
- Paver block for cycle track on southern side of Avenue Road
- Installation of 5 borewells in the Hostel zone
- Waiting Hall & Parking Shed at Hostel Office.
- Upgradation of Metering Device and upgradation of Maximum demand from 2500 kVA to 3000 kVA
- Providing power supply to newly proposed ductable Air Conditioners for smart class room at Orion building
- Providing Decorative lighting for the MiG Area
- Removing of Relocation of 5 Nos of LT Cables in connection with the Annex Buildings
- Establishment of Conference room to Dean complex



Six department's Annex buildings



CENTRES



INCUBATION CENTRE

CEDI - Centre For Entrepreneurship Development And Incubation

The Centre for Entrepreneurship Development and Incubation (CEDI) is a sector-agnostic incubator of NIT Trichy, established as a NOT-for-profit Section 8 company. CEDI fosters innovation and nurtures entrepreneurship among students, faculty, and external entrepreneurs by providing essential support such as mentorship, funding assistance, infrastructure, and industry connections. CEDI runs structured incubation programs that help startups refine their ideas, build prototypes, and scale their ventures. Through strategic partnerships with industry, academia, and investors, CEDI facilitates knowledge exchange, market access, and funding opportunities. It also conducts capacity-building initiatives, program and networking events to equip entrepreneurs with the necessary skills and resources. By fostering a vibrant startup ecosystem, CEDI plays a crucial role in driving technological advancements, job creation, and economic growth. With a strong focus on innovation and sustainability, it aims to transform novel ideas into successful, impact-driven enterprises that contribute to national and global progress.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	12 th April'24	Entrepreneurship Training on Vermicompost for Tribal Women at Pchamalai Hills	24 (SHG's)
2.	19 th July'24	Second Edition of CII Madurai Startup Conclave at Madurai	100 + Industry Experts
3.	25 th Sept'24	Startup Gyan Interactive Session For NITT Students.IIC	30+ Students
4.	14 th Oct'24	NITT's Premier Entrepreneurial Talk series for Faculty and Students with IIC	45+ Faculty and 20+ Students
5.	20 th Dec'24	Startup TN Hustle for Manager's of All Incubators all over Trichy Region	15+ Incubators
6.	04 th Jan'25	CEDI @ Global Alumni Meet GAM 2025	5+ Incubated Startups
7.	21 st & 22 nd Feb'25	Pragyan Tech 2025 CEDI co-sponsored	6 Incubated Startups and Enterprise creation
8.	27 th & 28 th Feb'25	Two-day Startup Boot Camp under MeitY'S GENESIS Scheme	55+Startup participants

Details of Projects

Sl. No.	Title of the project	Name of PI and Co-PI	Funding Agency	Cost (Lakhs)	Remarks
1.	GENESIS	Dr.M.Umapathy	MeitY	100	

Financial Performance: Rs. NA (Not for Profit) (for the financial year 2024-25)

1. Entrepreneurship Training on Vermicompost for Tribal Women at Pachamalai Hills on 12th April 2024.



2. Second Edition of CII Madurai Startup Conclave at Madurai on 19th July 2024.



3. Startup Gyan Interactive Session for NITT Students on 25th September 2024.



4. NITT's Premier Entrepreneurial Talk series for Faculty and Students of NITT on 14th October 2024.



5. Startup TN Hustle for Manager's of All Incubators all over Trichy Region on 20th December 2024.



6. CEDI Startup Showcased Global Alumni Meet GAM 2025 on 4th January 2025.



7. Pragyan 2025 on 21st and 22nd February 2025.



8. Two-day Startup Boot Camp under MeitY'S GENESIS Scheme on 27th and 28th February 2025.



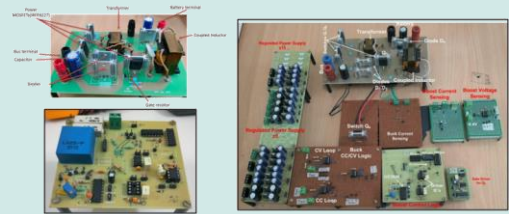
ISRO (S-TIC)-Space Technology Incubation Centre

ISRO established the third Space Technology Incubation Centre (S-TIC) at NIT Tiruchirappalli by on May 29, 2019. Inauguration conducted remotely by Dr. K. Sivan, Chairman of ISRO and Secretary of DOS, from Bangalore via videoconference. The Capacity Building Programme Office at ISRO Headquarters facilitated the signing and exchange of the MoU for the initiative.

Objective: To encourage startups and entrepreneurship among students and foster an Academia-Industry ecosystem for Space Technology in India.

Projects of ISRO STIC NITT

Project 1	Design and Development of X-band & Ka-band Passive Devices S-TIC-AC-0153
PI	Dr. R.PANDEESWARI, Professor, ECE, NITT
CO-PI	Dr. S.S.KARTHIKEYAN, Associate Professor, ECE, NITT, Dr. S.DEIVALAKSHMI, Associate Professor, ECE, NITT, Dr. G.THAVASI RAJA, Associate Professor, ECE, NITT, Dr. S. KANTHAMANI, Professor, ECE, NITT.
Mentor	HARSHITA TOLANI, TSDD, MRSA, SAC S.K. GARG, MRS-MSTG-MSTD, SAC
Project Outcomes	<ul style="list-style-type: none"> X – band Adapter Prototype Ka band Adapter(WR 28)(26.5 GHz to 40 GHz) Ku band Matched Terminations (WR 62)(12 to 18GHz) WR-90 Matched Termination (200 W)
Students Trained under this Project	<ol style="list-style-type: none"> Dr. Ananda Reddy Mrs. Ruth Jency Dr. Sandhanamahalingam
Funding	Approved (INR): 17.19 Lakhs
Project 2	LC Bandpass Filter for Space Technology S-TIC-IS-0154
PI	Dr. S.SENTHIL KUMAR, Professor, EEE, NITT.
CO-PI	Dr. T. LAXMIKANDAN, Associate Professor, ECE, Anna University, Chennai. Dr. N.GUNAVATHI, Associate Professor ECE, NITT. Dr. S.S.KARTHIKEYAN, Associate Professor, ECE, NITT,
Mentor	SHRI NIRUPAM SHARMA, URSC, Bangalore
Project Outcomes	<ul style="list-style-type: none"> PCB view of the Band Pass Filter IC Package of the Band Pass Filter
Students Trained under this Project	Mrs. Luke Carishma (JRF) Mr. Divya Dev Mr. Vidul Rohan S Mr. Jothi Chandru S Mr. Bharathidasan M Mr. S. Hariharan Mr. P. Lingesh Dhanaraj Ms. B. Harshavardhini
Funding	Approved (INR): 24.65 Lakhs
Project 3	Design and Development of Ferrite Dielectric based Microstrip Isolator for X-band Application - S-TIC-IS-0155
PI	Dr. S.S.KARTHIKEYAN, Associate Professor, ECE, NITT,
CO-PI	Dr. N.GUNAVATHI, Associate Professor ECE, NITT. Dr. L. R. KARL MARX, Assistant Professor, Mechatronics, TCE, Madurai. Dr. CHINMOY SAHA, Associate Professor, Avionics.
Mentor	SHRI NIRUPAM SHARMA, URSC, Bangalore

Project Outcomes	<ul style="list-style-type: none"> Proposed Design of X-band Isolator Prototype-I, II, III, IV
Students Trained under this Project	Suman Kumar (JRF) Mettu Goutham Reddy Nrusingha Charan Pradhan Elizabeth George R Kiruthika Sandeep Kumar Reddy K V S Sairam S Padmanjani
Funding Publications	Approved (INR): 32.09 Lakhs M. G. Reddy, P. Patel, N. C. Pradhan, S. S. Karthikeyan and C. Saha, "Design of Microstrip Based Dual Junction Four-Port Circulator for 8.2 GHz X-band," IEEE Wireless Antenna and Microwave Symposium (WAMS), Rourkela, India, 2022, pp. 1-4, doi: 10.1109/WAMS54719.2022.9847939
Project 4	Development of Ammonia based Flexible Heat Pipe for Space Applications- YS/PD-IP/344
PI CO-PI	DR . SURESH S, Professor, Department of Mechanical Engineering, NITT, DR . JAGANATHAN VM, Assistant Professor, Department of Energy & Environment, NITT.
Mentor	MR. VIVEK KUMAR SINGH, Space Applications Centre, Ahmedabad.
Project Outcomes	<ul style="list-style-type: none"> Flexible axial grooved wick SLA Printed Gyroid lattice wick. Material: Creadity clear resin Additive manufacture lattice wick structures Flexible thermosyphon (1/2,3/8,1/4 inch)
Students Trained under this Project	1. Josh Shelton M 2. Nirmal Kumar B 3. Nanthakumar PA 4. Kalyanasundaram P 5. Vishwa Mehta 6. Pranav 7. Jothika K 8. Gokulraj M 9. Barathvaraja G R 10. Bharath Kumar 11. Hari Bharadwaj 12. Nihar S Shyju
Funding	Approved (INR): 24.99 Lakhs (To be closed)
Project 5	Bidirectional Battery Charge-Discharge Regulator- YS/PD-IP/345
PI CO-PI	DR. SHELAS SATHYAN, Assistant Professor, EEE, NITT DR. PINKYMOL KP, Assistant Professor, EEE, NITT DR. MANORANJAN SAHOO, Assistant Professor, EEE, NITT DR. SARVANA ILANGO, Professor, EEE, NITT.
Mentor	SHRI DIBYARANJAN SENAPATI SHRI VENKATA SASTRY U R Rao Satellite Center Bangalore
Project Outcomes	
Students Trained under this Project	K. V. Anandkrishnan (JRF) Shaik Sharuk Jagdish Thakur
Funding	Approved (INR): 20.16 Lakhs (To be closed)

Publications	K V Anandkrishnan, Sharuk Shaik, Shelas Sathyan, Dibyaranjan Senapati and Venkata Sastry Vadlamani "Closed Loop Controller for Bi-directional Weinberg DC-DC converter for space satellite application," IEEE PEDES, Mangaluru, India, 2024. (Received best paper award)
Project 6	Development of Computer Vision System for an AI assistant- YS/PD-IP/326
PI	DR. M SRIDEVI, Associate Professor, CSE, NITT
CO-PI	DR. U. SRINIVASULU REDDY, Associate Professor, CA, NITT. DR. S. DOMINIC, Professor, CA, NITT.
Mentor	Mr. MANUSUBRAMANIAN S, Liquid Propulsion Systems Centre, Thiruvananthapuram.
Project Outcomes	<ul style="list-style-type: none"> Emotion recognition Angular rotation detection
Students Trained under this Project	<ol style="list-style-type: none"> Dr. A. Bharathi M Savithadevi Mr. Purusoth Mr. Paarthiban Mr. Kaushik Parthasarathy Mr. Nandakishore C S Mr. Rigved
Funding	Approved (INR): 6.6 Lakhs (To be closed)
Publications	<ul style="list-style-type: none"> Bharathi A, Sanku R, Sridevi M, S. Manusubramanian, S Kumar Chandar, "Real-time human action prediction using pose estimation with attention-based LSTM network", Signal, Image and Video Processing, Springer Vol. 18, pp. 3255–3264 (2024). M. Savithadevi, M. Sridevi, S. Manusubramanian, Ganesh Pillai, Dushyant M P, "Rule based Hand Gesture Recognition for Human Computer Interaction", International Conference on Applied Artificial Intelligence 2024. (Accepted for Publication in the Procedia Computer Science, Elsevier.) M. Savithadevi, M. Sridevi, S. Manusubramanian, Ganesh Pillai, Dushyant M P, "Real Time Hand Gesture Recognition for Intelligent Human Computer Interaction", Incorporating review feedback from LPSC academic committee. Purushoth Velayuthan, M. Sridevi, S. Manusubramanian, M. Savithadevi, "A Novel Angle Detector Based Real-Time Facial Emotion Recognition System" Submitted to the Mentor for review.
Project 7	Design of Digital Signal Processor using SCL Foundry- ISRO-CBPO- S-TIC_SL_152
PI	DR. G. LAKSHMINARAYANAN, Professor,ECE, NITT. DR. N. RAMASUBRAMANIAN, Professor,CSE, NITT.
CO-PI	DR. M. SANTHI, Professor, ECE, Saranathan College of Engineering, Trichy. DR. C. VENNILA, Professor,ECE, Saranathan College of Engineering, Trichy. DR. A. ARAVINDHAN, Asst. Professor Sr., Saint Gits College of Engineering, Kottayam, Kerala.
Mentor	SHRI RAJESH KUMAR S, SCL, Punjab. SHRI PADMAKUMAR K, VLDD/AVN/VSSC,Trivandrum
Project Outcomes	<ul style="list-style-type: none"> Placement layout Clock Tree Synthesis
Students Trained under this Project	<ol style="list-style-type: none"> Mr. Sujanth Roy (JRF) Ms. Shiny Onyx Mr. Kalwa Santhosh Kumar Mr. Arjit Gupta Mr. Chatla Pavan Kumar Ms. Sakshi Suman

	7. Mohit Kumar Patel 8. Vishvaragavan B 9. Shvachin 10. Nivesh S (<i>Puducherry Technological University</i>)
Funding	Approved (INR): 12.79 Lakhs (To be closed)
Project 8	Design of Controller for Buck Converter - ISRO-CBPO- S-TIC_SL_151
PI	DR. G. SARAVANAILANGO, Professor, EEE, NITT DR. N. RAMASUBRAMANIAN, Professor, CSE, NITT.
CO-PI	DR. J. KAMALA, Associate Professor, ECE, Guindy College of Engg. Anna University DR. S. SENTHIL KUMAR, Professor, EEE, NITT.
Mentor	H S. JATANA, GH, Design And Process Group RAJESH K SRIVASTAVA, Engr. SE, Design & Process Group
Project Outcomes	<ul style="list-style-type: none"> • Ramp generator • Error Amplifier • Comparator • Driver • Oscillator
Funding	Approved (INR): 12.79 Lakhs (To be closed)
Project 9	Additive manufacturing of Carbon allotropes based Invar composite for Aerospace applications- STIC-AC-0204
PI	DR. L. FRANCIS XAVIER, Associate Professor, Christ University. DR. N. RAMASUBRAMANIAN, Professor, CSE, NITT.
CO-PI	DR. T. RAMESH, Associate Professor, NITT. DR. IVAN SUNIT ROUT, Associate Professor, Christ University
Mentor	MR. RAVI KUMAR VARMA, PMQD-M, SAC – Ahmedabad.
Funding	Approved (INR): 20 Lakhs (Ongoing)
Summary	
<ul style="list-style-type: none"> • Recruited 8 Junior Researchers / Project Associates. • Organized internships for over 40 UG and PG students • Enabled practical learning experiences. • Engaged with faculty from various departments and institutions, enhancing interdisciplinary collaboration. • Supported the academic and career advancement of students. 	



ISRO STIC Awareness Program, May 2024

INNOVATION CENTRE / STARTUP HUB

SCIEnT – Student Centre for Innovation in Engineering and Technology



The Student Centre for Innovation in Engineering and Technology – SCIEnT, is an initiative of the 1990 batch of alumni dedicated during their Silver Jubilee Reunion in collaboration with the Institute. Modeled on the lines of Centre for Innovation(CFI) – IITM, the tag line of SCIEnT is “Walk in with an idea and walk out with a prototype”. The facility boasts of a range of equipment, tools & tackles, instruments and electronic components required to build proof of concepts. During the academic year 24-25, the 24x7 accessible innovation laboratory, student-led SCIEnT team, carried out the following tech-integration activities bringing together the student tech community of the Institute.

- TransfiNITte – the in-house Hackathon in collaboration with the Technical Council. SCIEnT led the problem statement and corporation relations team
- Open day – SCIEnT awareness creation amongst all students inviting 1-day visit to the visitors
- Open House Exhibitions in collaboration with Pragyan showcasing the various projects by Tech clubs
- Coordinating competition clubs with workspace, equipment e.g. Force Hyperloop Team & Orbit
- Expansion in the form of Annex Building located near New Sports Complex
- Inventory and components expansion; Secured approval of Rs.96 lakhs for new equipment/instruments/tools and tackles from BPCL under their CSR funding

Achievements (AY 2024 - 25)



SCIEnT Expansion – Expansion of the facility through construction of Annex building



*Open House Exhibitions 2025 – display of technical clubs projects
Inaugurated by Sh.Anil Swarup IAS – Author and Retired Secretary, Coal, Govt of India.*

IIC - Institution's Innovation Council

The Institution's Innovation Council (IIC) at our institute was established in August 2021 under the directive of the Ministry of Education's Innovation Cell (MIC). This initiative is part of a nationwide effort launched in 2018 to nurture a culture of innovation and entrepreneurship within Higher Education Institutions (HEIs). The IIC functions with the vision of promoting ideation, innovation, and startup culture among students and faculty. It conducts periodic activities such as innovation contests, ideation workshops, expert talks, and hackathons aligned with MIC guidelines. Our IIC also encourages student participation in national-level innovation challenges and facilitates access to mentorship, prototyping support, and funding opportunities. Through initiatives like the Innovation Ambassador Training Program and the Yukti Innovation Repository, the council ensures that promising ideas receive visibility and support. Since its inception, our IIC has been instrumental in building a vibrant local innovation ecosystem, empowering innovators to transform ideas into viable solutions.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	14, Oct, 2024	Entrepreneurial Horizon: The Founders Forum in Collaboration with CEDI (One Day Event)	100
2.	23, Oct, 2024	NITTup: Turning your startup dream into reality (One Day Event)	200
3.	20, Oct, 2024	TransfiNITte Hackathon 2024 in Collaboration with Technical Council (Two Day Event)	500
4.	26, Feb, 2025	NITTup Pitching Event (One Day)	75
5.	28, Feb, 2025	Afternoon Tea with Dr Natarajan Malupillai, CEO, IITM Research Park	30

PRE INCUBATION CENTRES OF EXCELLENCE IN NITT

CETranSE - Centre of Excellence in Transportation Engineering

The Centre of Excellence in Transportation Engineering (CETranSE) at NIT Tiruchirappalli, was established in 2013 by the Department of Higher Education, Ministry of Human Resource Development, Government of India, under the scheme 'Establishment of 50 Centres of Excellence in frontier areas of Science and Technology'. It was established with a vision of creating sustainable transportation technologies and infrastructure for optimal national and societal impact through shaping professional Transportation Engineers, assisting National and State agencies, providing R&D for Industry and offering continuing education. It aims to shape skilled transportation engineers, support national and state agencies, drive industry-oriented R&D, and offer continuing education. The centre conducts specialized research in Transportation Planning, Intelligent Transportation Systems (ITS), and Pavement Engineering, contributing to innovative, data-driven, and sustainable mobility solutions.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	21/10/2024	Expert lecture by Capt. Anish, Cochin Port on "Advanced Navigational Aids"	28
2.	25/11/2024 to 29/11/2024	NRIDA Training Programme on Cross Drainage Structures in Rural Roads	49
3.	16/12/2024 to 20/12/2024	NRIDA Training Programme on Lab and Field Procedures for Quality Control of Rural Road Construction and Maintenance	44
4.	05/03/2025	Coir Board Sponsored Workshop on Coir Geotextile Reinforced Low Volume Rural Roads	92
5.	08/03/2025	Webinar on "Transit Users' Perception of Safety - A comparative analysis of gender differences in response to safety measures". Speaker: Prof. P.S. Sriraj, Director of the Urban Transportation Center at UIC, USA.	143
6.	27/03/2025	Webinar on "From Crash Tests to Driving Behaviour: Gender-specific Challenges in Transport Safety and Security with Insights from Germany". Speaker: Dr.-Ing. Ines Kawgan-Kagan, AEM Institute, Berlin	-
7.	19/07/2024 to 20/07/2024	Research outputs presented at the 10th Conference on Transportation Systems Engineering and Management (CTSEM 2024) organized by VNIT Nagpur	-
8.	05/11/2024 to 07/11/2024	Research outputs presented at the 5th IRF Asia-Pacific Regional Congress & 12th Malaysian Road Conference & Exhibition 2024 held at Kuala Lumpur, Malaysia.	-
9.	18/12/2024 to 20/12/2024	Research outputs presented at the 15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC) organized by IIT Bombay	-
10.	05/01/2025 to 09/01/2025	Research outputs presented at the 104th Transportation Research Board Annual Meeting (TRBAM) held at Washington DC, USA.	-
11.	06/02/2025	Research outputs presented at the 5th International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2025) organized by NMAM Institute of Technology, Karnataka.	-

Collaborations			
Sl. No.	Organization	Type of Collaboration	Remarks
1.	National Rural Infrastructure Development Agency	<ul style="list-style-type: none"> State Technical Agency for scrutinizing PMGSY roads in Tamil Nadu and Puducherry Training programmes to Rural Road Engineers 	
2.	Coir Board under MSME, GoI	<ul style="list-style-type: none"> Performance evaluation of coir geotextile on rural roads Training of Engineers to use coir on roads 	
3.	National Highway Authority of India	<ul style="list-style-type: none"> Development of Decision Support System for NH maintenance Third party inspection and vetting of proposals for pavement design and geometric design Road Safety Audit 	
4.	Tiruchirappalli City Corporation	<ul style="list-style-type: none"> Third party inspection of roads 	
5.	Tirunelveli Smart City Corporation	<ul style="list-style-type: none"> Road Safety Audit Suggestions of Safety measures 	
6.	Coimbatore City corporation	<ul style="list-style-type: none"> Jury for Road Safety Hackathon 	
7.	Airport Authority of India	<ul style="list-style-type: none"> Pavement Design and Vetting Bituminous Mix Design 	
8.	Transportation Research Group	<ul style="list-style-type: none"> Conducting conference Technical committee in CTRG 	
9.	University of Leeds	<ul style="list-style-type: none"> Research and outreach Collaboration with faculty 	
10.	Central Road Research Institute (CRRI)	<ul style="list-style-type: none"> Student Internship Sponsored projects 	
11.	National Transportation Planning and Research Centre (NATPAC)	<ul style="list-style-type: none"> Collaborated in research projects Student Internships MTech Project data Sharing and mentoring Technical talks PhD guidance 	
12.	Indian Roads Congress (IRC)	<ul style="list-style-type: none"> Development of IRC guidelines formation Technical committee member 	
13.	Eastern Asia Society for Transportation Studies (EASTS)	<ul style="list-style-type: none"> International Research Group (IRG 52-2024) 	Collaborators from UK, Sri Lanka, Vietnam, Indonesia, Thailand and Malaysia.

Details of Projects					
Sl. No.	Title of the project	Name of PI and Co-PI	Funding Agency	Cost (Lakhs)	Remarks
1.	Development of Optimization Models and Decision Support System for National Highways	Dr. Sunitha V	National Highway Authority of India	68.86	Ongoing
2.	Laboratory and Field Performance Investigation of Rural Roads Stabilized with RBI Grade-81	Dr. Sunitha V Dr. S. Marisamynathan	NRIDA, Government of India	26.14	Ongoing
3.	Exploring Gender Differences in Safety Perceptions on Public Transportation in Asian Countries and its Comparison with the Global North with Particular Attention to the United Kingdom	Dr. Darshana O (Lead Investigator-India)	Eastern Asia Society for Transportation Studies	-	Funding from 2026 onwards

List of infrastructures available				
Sl. No.	Name of the item	Year of purchase	Cost of the item	Remarks
1.	Automatic Sieve Shaker with Sieve Set	2025	0.70L	
2.	Buoyancy Balance	2024	0.50L	
3.	Dynamic Cone Penetration Test Apparatus	2024	0.50L	
4.	Modified and Standard Proctor Mould with Hammers	2024	0.50L	



Coir Board Sponsored Workshop on Coir Geotextile Reinforced Low Volume Rural Roads, 5th March 2025



NRIDA Training Programme on Technology Initiatives in Rural Roads, 27 - 31 January 2025

CoEM – Centre of Excellence in Manufacturing

The CoE in Manufacturing, established in 2018 at National Institute of Technology, Tiruchirappalli, operates with a primary focus of creating a robust technical education ecosystem 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.

Activities, Initiatives, Programs, Trainings : No activities during AY 2024-2025 since no manpower available.

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	7.2.2025	Prof. Poulse, Dept. of Physics, IITG, Assam visited the centre and gave some inputs. His visit was fruitful. He appreciated the centre ambiance and activities. He visited CoE(M) as part of Industry lecture delivery @ Dept. of Physics, NITT	10

Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	MoUs signed with many Engg. Colleges(100). Yet to renew them.		

CAMA – Centre for Advanced Manufacturing and Automation



**Centre for Advanced
Manufacturing and Automation**

The Centre for Advanced Manufacturing and Automation (CAMA), established in 2021 at National Institute of Technology, Tiruchirappalli. This multi-faceted unique centre offers skill development courses, Internships, Research and Development assistance and Industrial consultancy services across various sectors.

Faculty In-charge: Dr.-Ing. M. Duraiselvam

Details of Projects

Sl. No.	Title of the project	Name of PI and Co-PI	Funding Agency	Cost (Rs. In Lakhs)
1.	Development of Metal 3D Printed Lightweight Flywheel and Novel Control Algorithm for Microgrid Energy Storage Applications	Dr. M.P. Selvan Dr. S. Moorthi Dr. M. Duraiselvam	DST	30.36
2.	Design and Development of Robotic based continuous Fiber Additive Manufacturing System	Dr. M. Duraiselvam Dr. R. Jayaganthan (IITM)	DRDO	224.554
3.	Improvement of thermo-mechanical properties of aero-turbine blades through 3D printed auxetic structures	Dr. M. Duraiselvam Dr. Arockiarajan (IITM)	DST	45.877

List of Infrastructures available

Sl. No.	Name of the item	Year of purchase	Cost of the item (Rs. In Lakhs)
1.	High Temperature Indentation tester	2020	85.5
2.	Laser Materials Processing cell	2020	100.87
3.	Upgradation of existing pico-second laser to femtosecond laser	2020	91.39
4.	Selective Laser Melting (SLM) based Additive metal manufacturing system	2021	476.41

Financial performance: Rs. 6.5 Lakhs revenue Generated (During AY 2024-25)

CoEHST - Centre of Excellence in Energy Harvesting and Storage Technology

The Centre of Excellence in Energy Harvesting and Storage Technology (COEHST) at NIT Trichy, funded by Higher Education Financing Agency (HEFA), is a state-of-the-art research facility dedicated to advancing scientific and industrial applications in energy storage, energy harvesting, food science, and thermal characterization. The centre is equipped with cutting-edge instrumentation, enabling a comprehensive range of temperature studies.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	05.06.2024	Advanced Insulation Materials for Building application. Lecture by Dr. Harjit Singh, Professor, Brunel University, London, UK	35
2.	28.05.2024	Numerical studies in low diffusivity and double diffusivity of solutes in water by Dr. Jan Wissink, Senior Lecturer, Brunel University, London, UK	20

Ongoing Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	Industrial Users	Testing Services through the Centre	<ol style="list-style-type: none"> 1. STEPS Knowledge Services Pvt Ltd, Coimbatore 2. Pothikai Scientific Pvt. Ltd., Bangalore 3. Molecules Biolabs Pvt.Ltd, Thrissur, Kerala 4. Virtis Biolabs Pvt.Ltd, Kannankurichi, Salem, TN 5. Bone Substitute India Pvt Ltd, Madurai 6. Kumarasamy Industries, Panruti - 607 103
2.	Major External Academic Users	Bulk Testing of samples of scholars and researchers of other Institutes	<ol style="list-style-type: none"> 1. NIFTEM, Thanjavur 2. Indian Institute of Technology, Tirupati 3. National Institute of Technology, Puducherry 4. Vellore Institute of Technology, Vellore 5. Vishnu Institute of Technology, Andhrapradesh 6. SRM Institute of Science and Technology, Chennai 7. Periyar College of Pharmaceutical Sciences, Trichy 8. Kalasalingam Academy of Higher Education, Srivilliputhur 9. Bharathiyar University, Coimbatore 10. Shree Shankaracharya Institute of Pharmaceutical Science and Research Bhilai, Chhattisgarh

List of Infrastructures available

UV-Visible Spectrometer
10 Lakhs



Thermogravimetric Analyser
30 Lakhs



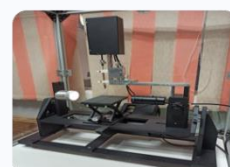
C-Therm Trident
39.25 Lakhs



FTIR Spectrometer
10 Lakhs



Force Tensiometer
25.96 lakhs



Contact Angle Meter
12.95 Lakhs



Differential Scanning Calorimeter
20 Lakhs



Rheometer
12.98 Lakhs

Financial Performance: Rs. 100 Lakhs (Sponsored Projects & Consultancy Services)

Ammonia Based Flexible Heat Pipe for Space Application handed over to ISRO at the project closure meeting held at NITT, Trichy, on 19th February 2025.



Guest Lecture organized under SPARC scheme.



Dr. Harjit Singh, Professor, Brunel University, London, UK

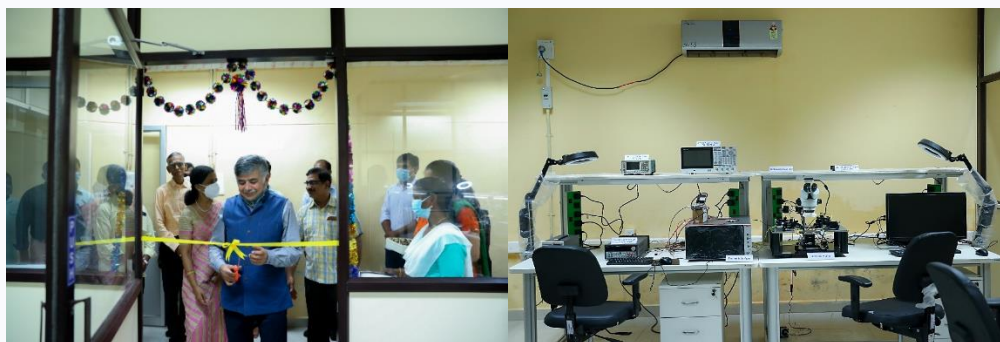
CESDeCT - Centre for Electronics System Design Calibration and Testing

Centre for Electronics System Design Calibration and Testing (CESDeCT) offers a platform for the faculty, researchers, students and industry to carry out their design, validate, fabricate, test and analyze the performance of the following circuits or systems from few KHz up to 6GHz.

- Analog Circuits
- Digital VLSI Circuits
- Mixed signal VLSI Circuits
- RF Integrated Circuits
- RF Antenna design
- IoT System design
- 5G System design
- MEMS Design

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	22-04-2024	Testing of RF filter from M/s Regent Defence & Engineering system Ltd., Trichy-620 021	3
2.	27-06-2024	Testing of MIMO Antenna, S parameters and radiation patterns from Puducherry Technological University, Puducherry	1
3.	02-08-2024	Testing of RF filter from M/s Regent Defence & Engineering system Ltd., Trichy-620 021	2



CCES - Centre for Combustion and Emission Studies

The primary focus of Centre for Combustion and Emission Studies (CCES) is to understand fundamentals of combustion and emission formation processes for various automotive and industrial applications. CCES is equipped with high-end workstations for simulating complex combustion problems and chemical kinetics of E-fuels/synthetic fuels. The feasibility and potential limitations of the high-efficiency combustion concepts like gasoline compression ignition (GCI), reactivity-controlled compression ignition (RCCI), pre-chamber ignition system (PCSI), ducted fuel injection (DFI) system was explored in CCES. Further, the flame and spray visualization studies with Schlieren or shadowgraph techniques can also be carried out with CCES facility.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	17/03/2024 ~ 23/03/2024	One-week high-end workshop (Karyashala) on Advanced combustion technologies for hydrogen-based fuels	25

Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	Amrita Vishwa Vidyapeetham, Coimbatore	Spray characterization for hydrogen based synthetic e-fuels	

Details of Projects

Sl. No.	Title of the project	Name of PI and Co-PI	Funding Agency	Cost (Lakhs)	Remarks
1.	Advanced combustion technologies for hydrogen-based fuels under Accelerate-Vigyan Scheme	Dr. S. Vedharaj	Science and Engineering Research Board - Government of India	5.00	

List of infrastructures available

Sl. No.	Name of the item	Year of purchase	Cost of the item (in Lakhs)	Remarks
1.	DELL PRECISION high-end workstations	2021	19.25	
2.	Measurement Equipment: (a) Sensor for cylinder pressure indicating (b) Combustion analysis system - INDIMICRO 602 (c) Angle encoder	2021	14.91	
3.	1.5 kVA pure sine wave inverter UPS with battery (16N)	2021	2.24	



Advanced combustion technologies for hydrogen-based fuels - One-week high-end workshop (Karyashala) - 17/03/2024



Advanced combustion technologies for hydrogen-based fuels - One-week high-end workshop (Karyashala) - 20/03/2024

SIF - Sophisticated Instrumentation Facility

The Sophisticated Instrumentation Facility (SIF) at NIT Trichy has been instrumental in advancing research by providing high-end analytical testing facilities to researchers, small and medium enterprises (SMEs), and Industries. The Centre is dedicated to fostering innovative research through state-of-the-art facilities across various disciplines. SIF regularly conducts workshops and hands-on training sessions to upskill researchers in handling sophisticated instruments. Additionally, the Centre actively engages with researchers to stay updated on the latest technological advancements in analytical testing facilities. SIF continuously pursues expansion through research grants and collaborations, contributing to the growth of the research ecosystem at NIT Trichy by enhancing research infrastructure.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	19.07.2024	Equipment Training Sessions by Malvern	50
2.	23.07.2024	Equipment Training Sessions by Sinsil	55

Ongoing Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	Godrej Enterprises	Used Thermal Chamber for Testing Consultancy	Provided consultancy and testing services for material integrity under varying thermal conditions.
2.	TIDITTSIA	SME testing requirements	Regular interaction to understand and support the testing and characterization needs of SMEs.
3.	ISRO	Used TGA and DSC for sample testing	Conducted sample testing using TGA and DSC for thermal stability assessments.
4.	GE Aerospace	Conducted Thermal conductivity and diffusivity studies using Laser Flash Apparatus, Thermal conductivity test using KD2 Pro and the viscosity test using the Rheometer.	Conducted thermal conductivity and diffusivity studies using Laser Flash Apparatus, KD2 Pro, and viscosity testing with a Rheometer.

List of Infrastructures available				
Sl. No.	Name of the item	Year of purchase	of	Cost of the item
1	Inductively coupled plasma mass spectroscopy (ICPMS)	2014		84.90
2	Atomic Force Microscope	2013		99.99
3	C-Therm Thermal conductivity measuring instrument	2021		39.25
4	Simultaneous thermal Analyser (DSC/TGA)	2021		54
5	Differential Scanning Calorimetry (DSC)	2021		
6	UV-VIS Spectrophotometer	2021		21.55
7	Spectrophotometer FTIR	2021		
8	Force tensiometer	2021		25.96
9	Rheometer	2021		12.98
10	Thermal cycling chamber	2021		18.34
11	Laser Flash Apparatus (LFA)	2016		33.00
12	Contact Angle Meter	2016		12.95
13	KD2 Pro Thermal Conductivity Meter	2011		5.00
14	Electrochemical Workstation/ Multichannel Potentiostat	2013		37.60

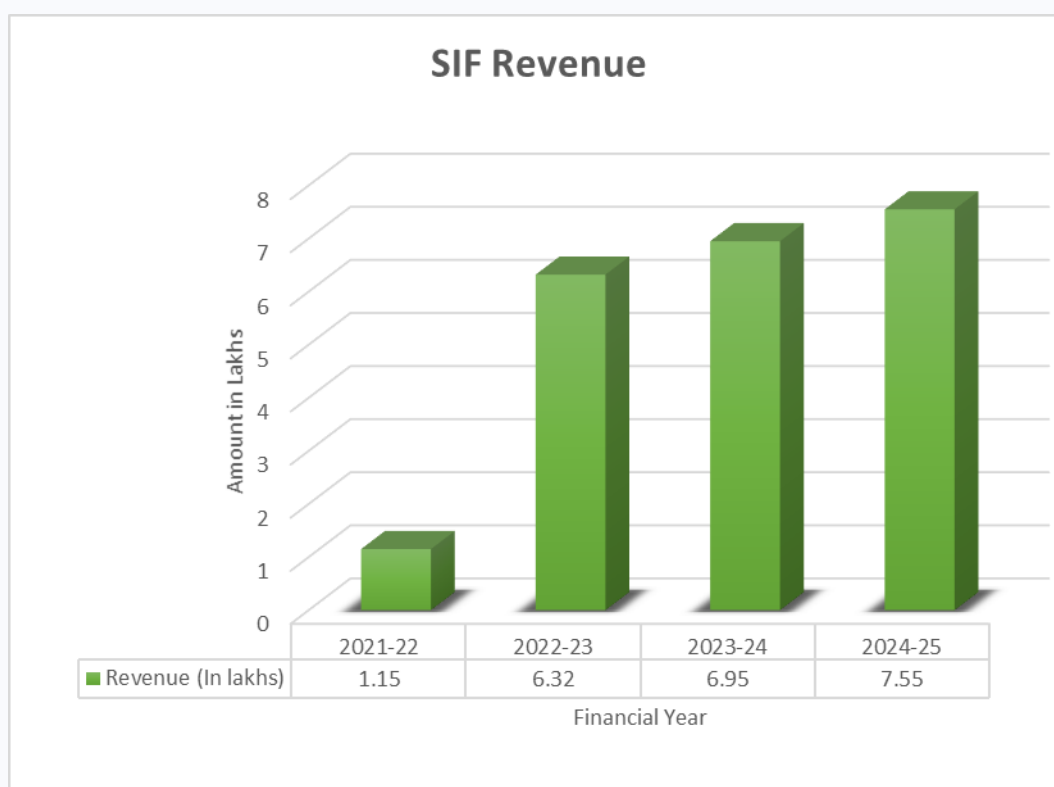
Financial Performance: Rs. 7.55 Lakhs (for the financial year 2024-25)

Hands on Session by Sinsil India on Electrochemical and Spectroscopy Techniques





SIF Revenue Growth Over Financial Years (2021-22 to 2024-25)



PARAMPORUL Supercomputing Facility

The Centre for Supercomputing Facility PARAMPORUL was established in September 2022 after being inaugurated in May 2022, by the then Chairperson, BoG of NIT Trichy, Shri Bhaskar Bhat. Under the National Supercomputing Mission (NSM) 12 centres were established with Supercomputing, facility and we are the only NIT to have this facility. MeitY / DST completely funded the infrastructure and CDAC Pune carried out the installation. The maintenance was also funded for the first two years by NSM. We have taken over maintenance from CDAC Pune since September 2024.

This centre conducted workshops and hands-on training for faculty, research scholars and students to help them utilize this facility on a yearly basis.

The faculty / research scholar research publications that utilizes the facility acknowledges the centre.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	26th July 2024	GPU enabled HPC applications on Param Porul	50

Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	CDAC Bangalore	Final year students are executing projects using PARAMPORUL and are involved in development and implementation of optimizing compilers for HPC clusters	2024 – 2025 academic year – 1 batch consisting of two B.Tech CSE students are involved in the development

List of infrastructures available

Sl. No.	Name of the item	Year of purchase	Cost of the item
1.	838 TFlops HPC Cluster	2021	17 Crores

Financial Performance: Rs. 5 lakhs from IIT Madras for Utilization (for the financial year 2024-25)

Ccauvery - Centre for Condition Assessment and Management Plan (CAMP) for Cauvery river basin

A Memorandum of Agreement was signed on February 28th, 2024 in New Delhi between Department of Water Resources, River Development and Ganga, Ministry of Jal Shakti, Government of India, IIT Kanpur, and Consortium of Institutes including Indian Institute of Science, Bangalore & National Institute of Technology, Tiruchirappalli, with the aim of establishing Centres for Cauvery River Basin Management Studies in the states of Karnataka & Tamil Nadu, with mandate of preparing the Cauvery River Basin Condition Assessment & Management Plan. Centre has delivered three Quarterly reports. Currently we are in 4th Quarter deliverable.

Members of the Centre:

Dr. Nisha Radhakrishnan, Member
Dr. R. Manjula, Member
Dr. S.Saravanan, Member
Dr. Aneesh Mathew, Member
Dr. Laveti Satish, Member
Dr. P.Prabu, Member

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	10-02-2025 to 22- 02-2025 15 Days	Internship Training on River Atlas Preparation – Digitization of Stream Network M.Tech Students	10
2.	Ongoing – Current Semester	Internship Training on River Basin Management (Indian & International Basins) B.Tech Civil Engineering students	11
3.	30-01-2025	Online stake holder meeting with PWD WRD, Trichy Department	6

Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	Water Resources department	Data collection	Stakeholder
2.	Urban Development		
3.	Water Resources & Hydraulic Structures		
4.	Demographic		
5.	Slum Development & Mapping		
6.	Remote Sensing & GIS		
7.	Water Infrastructure		
8.	Geological		
9.	Geosciences		
10.	Water Quality & Waste Management		
11.	Solid Waste Management		
12.	Agriculture		
13.	Forest, Environment & Ecology		
14.	Land Records & Revenue		
15.	State-Level Advisory Body		

List of infrastructures available

Sl. No.	Name of the item	Year of purchase	Cost of the item	Remarks
1.	Infrastructures	2024-25	7,64,843	
2.	Equipments	2024-25	25,24,500	
3.	ArcGIS Software	2024-25	10,00,000	
4.	HR	2024-25	12.3	
5.	Expendables	2024-25	6.4	

Financial Performance: Rs. 81,97,946 (for the financial year 2024-25)

1) CAMP Panel Discussion for Cauvery Basin at Delhi on 04-12-2024 organised by cGANGA



2) Joint Review Committee Meeting at NEERI Mumbai with NRCD with IISC and NITT Team on 17-01-2025



3) cCauvery Inauguration by Dr. G. Aghila, Director, NIT Trichy and Prof. Vinod Tare, Head, cGANGA on 26-03-2024



A Paper Presented in 13th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN'13) held at NIT Calicut during December 13-15 2024.

Paper Title: Modelling and kinematic control of Fanuc robot using Simscape and Deep Learning – Creation of robot Digital twin

(Received **Best paper award** in the category of Precision Engineering and Intelligent approaches)

Authors: Duraiselvam M, Mohamed Hussain K, Nazeer S, Dhileepan R, Ramakrishnan M, John Rozario Jegaraj J, Jayaganthan R



NITT SKILL HUB Centre

The Skill Hub Centre is being setup at NIT Tiruchirappalli as a part of Pradhan Mantri Kaushal Vikas Yojana (PMKVY) 4.0 scheme is a flagship initiative by the Ministry of Skill Development and Entrepreneurship (MSDE), aimed at enabling a large number of Indian youths including men and women to take up industry-relevant skill training that will help them secure a better livelihood. This scheme is part of the government's larger mission to make India the skill capital of the world by providing quality training, certification, and placement assistance. Around 430 students have completed the training on various skill-based courses such as Junior Software Developer, VLSI Design Engineer Office Assistant, and Security Guard in the academic years 2023-24 & 2024-25 in NIT Skill Hub Centre.

At the NITT Skill Hub Centre, we have effectively harnessed the potential of the PMKVY4.0 scheme to empower rural people over the past year. Our focused efforts have not only equipped these people with technical and vocational skills but have also instilled confidence and independence, thereby uplifting their status within their communities of the rural regions around Tiruchirappalli and nearby districts. The resources and expertise of faculty members of the institute have been deployed in providing skill training to the admitted candidates. More than half of the candidates admitted to skill training at the centre are women, through which the institute is bridging the gender gap and promoting inclusivity. Moreover, the NITT Skill Hub Centre is playing a pivotal role in transforming the lives of rural people and fostering a more equitable society.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	12/06/2024	Office Assistant Course (Batch 1)	34
2.	12/07/2024	Junior Software Developer Course (Batch 4)	30
3.	23/08/2024	Junior Software Developer Course (Batch 5)	45
4.	10/04/2024	Security Guard Course (Batch 4)	29
5.	20/05/2024	Security Guard Course (Batch 5)	29
6.	20/05/2024	Security Guard Course (Batch 5)	25
7.	21/08/2024	Junior Software Developer Course (Batch 6)	39
8.	22/08/2024	Junior Software Developer Course (Batch 7)	44

Financial Performance: Rs. 1926104/- (Nineteen lakhs twenty-six thousand one hundred and four only) (for the financial year 2024-25)

(The above-mentioned amount was received from NSDC (National Skill Development Corporation) during the FY 2024-25 for the courses conducted in the NITT Skill Hub Centre.)



NITT SKILL HUB Centre Graduation Ceremony for course completed students dt. 11 June ,2024



(Assessment completed for the Security Guard course (Batch 5) dt. 20/05/2024



ALUMNI



OFFICE OF DEAN (ID & AR)

Global Alumni Meet 2025

Global Alumni Meet (GAM) 2025 was held on January 4, 2025, at ITC Grand Chola, Chennai, organized by RECAL, the Alumni Association of NIT Trichy, in coordination with the Office of Dean (ID & AR). The event brought together distinguished alumni, industry leaders, and former and present Directors and faculty members. Over 1,300 alumni from around the world participated in this landmark gathering, celebrating the legacy and impact of NIT Trichy. The event featured an illustrious lineup of distinguished guests, including N. Chandrasekaran, Chairperson of the Tata Group, as the Chief Guest; Dr. Palanivel Thiagarajan, Minister for IT & Digital Services, Tamil Nadu, as the Guest of Honour; and Gopi Kallayil, Chief Business Strategist for AI at Google, who delivered the Keynote Address.



Distinguished Alumni Awards Distribution Ceremony 2024

On January 11, 2025, NIT Trichy honoured 12 distinguished alumni at the Distinguished Alumni Awards (DAA) 2024 ceremony, recognizing their outstanding contributions in Academics, Industry, Public Administration, and Entrepreneurship. The awards were conferred by Prof. B.S. Murty, Director, IIT Hyderabad, and Dr. G. Aghila, Director, NITT. Among the 12 awardees, 9 attended in person to receive this prestigious honour. During the ceremony, one of the awardees announced an endowment program in his mother's name to support a meritorious girl student from an economically disadvantaged background.



Research Fellowships/Scholarships by Alumni

Class of 1974 and Dr. Ram and Thaila Foundation have taken up a 10-year commitment for advancing research activities in the Institute. For the A.Y. 2024-25, 4 research scholarships of Rs 90,000/- along with Rs. 15,000/- for approved research materials was awarded. Additionally, 6 research proposals were selected for Merit Certificate Awards worth Rs. 20,000/-. For the academic year 2025-26, the initiative continued with the award of one full research scholarship and six partial research scholarships.



Cheques worth Rs. 3,00,000/- were distributed to 6 UG students, from the interest accrued for the funds of RECT'78 Alumni Scholarship. Furthermore 134 students benefited from alumni contributions, administered by RECAL, supporting education through scholarships totalling Rs. 42,09,500.



1978 Endowment creation for EWS

The 1978 batch of alumni have created a new endowment fund, for providing scholarship to NITT Undergraduate students admitted under the Economically Weaker Section(EWS) category. This endowment is created as a sequel to the earlier created endowment fund by the batch in 2018 and amounts to Rs.46 Lakhs. With these 2 endowments, the batch has jointly contributed Rs. 1 crore to their Alma Mater.

Business and Entrepreneurship for Engineers (BEE) Course

For the fourth year in succession, alumni curated, mentored and offered the open elective, Business and Entrepreneurship for Engineers. This course has been first-of-its-kind and is offered across batches for the third & final B.Tech Till date, a total of 138 students, (with 34 students from the current year), were given the experience of entrepreneurship.

Alumni Reunions

The institute hosted several significant alumni reunions during the year. The first batch of students from Regional Engineering College Tiruchirappalli celebrated their Diamond Jubilee reunion on January 20, 2025, with around 15 alumni, accompanied by their spouses, reminiscing about their student days and reconnecting with old friends. The batch also made a generous contribution of three lakh rupees to the REC Middle School.



On January 25, 2025, the Batch of 1975 celebrated their Golden Jubilee, with 95 alumni and their families gathering to commemorate 50 years of shared experiences and contributions to their alma mater. The reunion fostered meaningful student-alumni interactions, where alumni shared career insights and industry perspectives, reinforcing the enduring bond and legacy of NIT Trichy.



On January 25, 2025, the Batch of 1975 celebrated their Golden Jubilee, with 95 alumni and their families gathering to commemorate 50 years of shared experiences and contributions to their alma mater. The reunion fostered meaningful student-alumni interactions, where alumni shared career insights and industry perspectives, reinforcing the enduring bond and legacy of NIT Trichy.



ASSOCIATIONS



Association of Students of Architecture (ASA)

Association activities

The year started with the Ethnic day celebration on 17th January, 2025, Friday in the department courtyard, as the first event of the organization, lauding the pongal festival, with students and the faculty adorned in their traditional attire.

The Investiture Ceremony for ASA 2025 Council and Core, Recognition ceremony for the representatives of NASA and presentation of the 67th ANDC trophy submission happened on 22nd January 2025, Wednesday in the Seminar hall of Department of Architecture.

The first guest lecture of the Architalk series for this month had took place on 26th February 2025, Wednesday. It was delivered by Ar. Sriram Adhitya from RAIN studio of design, Chennai on the topic of Adaptability as an Architect.

The workshop series started with the texture art workshop by Ms. Sylvia Jasy, The Malgudi art studio, Chennai. This workshop happened on 28th February 2025, Saturday in the department of architecture.

This was followed by a quiz event called Bootiful Cuzzing Meet conducted by the third year students on 5th March 2025, Wednesday in the department of architecture, engaging students towards fun and knowledge.

Association Events (AY 2024 - 25)

The Archcult 2024 happened on the dates of 18, 19 and 20 of October 2024, with a variety of guest lectures, workshops and events. These events are such as but not limited to Guest lecture on Beauty of doing less by Ar. Palinda Kannangara; Guest lecture on Architect as Entrepreneur by Ar. Manuel M de las Heras and Ar.Sanskriti Panchal; Guest lecture on ELEMENTS:A poetic Journey through Architecture by Ar. Sriram Ramakrishnan; Guest lecture on Beauty is Sustainability by Ar.Neelratn and Ar. Supriti; Guest lecture by -Ar. MoulshriJoshi; Miniature Painting workshop by -Ar.NithishPandian; AR VR workshop by -Ar.VigneshPremkumar(Archijobs); Post Production Workshop by – Ar.Bharath (Deputy Architects); Funicular Structure Workshop by – Ar.Sharath Kumar; Pastry Workshop by -Chef Berney And Team; Attangudi Tiles Workshop by -Lakshmi Attangudi tiles; Sustainable Stimulation Workshop- Somesh and Haricharan; Lenscraft photography event; Vizwars rendering event; Threads of transformation fashion event; Utopia unwritten essay writing event; Thesis award event; Future in focus photography event; Meme madness meme making event; Crease, fold, repeat origami event; Wit wars debate event; Sketch it drawing event; Product design event and Arch tuah architectural quiz event.

Also as part of the architalk guest lectures and workshop series, certain events happened. They are,

1. Guest lecture on Design Thinking: From Concept to Real by Ar. Kapilan Chandanesan
2. Guest lecture on Visual Arts, Communication and Design- A designer's perspective by Ar. Saravana Raja
3. Guest lecture on Materials and Structure by Prof. Prabha Mohandoss
4. Pottery workshop by Megha TK (tranquil hands)
5. Crocheting workshop in association with Fine arts society
6. Staad pro online workshop in collaboration with Builder's hive
7. Pastry decoration workshop by Ms. Girija and team



Guest lecture on Adaptability as an Architect by Ar. Sriram Adhitya on 26th February 2025



Texture Art workshop by Ms. Sylvia Jasy on 1st March 2025

Chemistry Association

Association activities:

The Department of Chemistry successfully organized Horizon, a departmental event themed "Supramolecular and Medicinal Chemistry." The event was inaugurated by Dr. N. Kumaresan (Dean, Faculty Welfare), Dr. V. M. Biju (Head of the Department), and Dr. Arivazhavan (Convener). The occasion was further enriched by the presence of Dr. Shanmugaraju S (Chief Guest) and Dr. Rajendiran V (Invited Speaker), who shared their valuable insights with the participants.

Organized and conducted by MSc students, Horizon served as a vibrant platform for collaborative learning and intellectual exchange. The event featured two engaging competitions: Chemitinary and Chem Quiz. Chemitinary encouraged participants to visually interpret chemical concepts, fostering creativity in scientific representation, while the Chem Quiz tested their knowledge in core and applied chemistry. Additionally, a Lab Visit was arranged, allowing students to explore advanced instrumentation and experimental techniques, thereby strengthening their practical understanding.

By promoting scientific curiosity and active engagement, Horizon created an interactive learning environment, inspiring students to delve deeper into supramolecular and medicinal chemistry. The event concluded successfully, leaving participants motivated to pursue further academic and research endeavors in the field.

Association Events (AY 2024 - 25)

The Horizon event began with an insightful Chief Guest Lecture by Dr. Shanmugaraju S, followed by an engaging talk by Dr. Rajendiran V. Their lectures provided valuable insights into supramolecular and medicinal chemistry, inspiring students and faculty alike.

The event then featured two exciting competitions:

Chem Quiz: This competitive quiz tested participants' knowledge of organic, inorganic, and physical chemistry, along with applications in medicinal and supramolecular chemistry. Structured in multiple rounds—including MCQs, rapid-fire, and buzzer rounds—the quiz was both educational and thrilling.

Chemitinary: A pictinary-style game where participants had to draw and guess chemical terms, concepts, and reactions within a time limit. It encouraged creative thinking and a deeper understanding of chemistry through visualization and teamwork.

With enthusiastic participation, Horizon proved to be a stimulating and enriching experience for all.



(a) Inauguration of "HORIZON 2024-25" on Jan 31, 2025



(b) Prize distribution to the participants of HORIZON 2024-25 on Jan 31, 2025

Chemical Engineering Association

ALCHEMY:

Alchemy is the annual technical symposium of the Chemical Engineering Department at NIT Trichy. It serves as a platform for students, researchers, and professionals to exchange ideas, showcase innovations, and explore advancements in chemical engineering and related fields. The event features guest lectures, technical workshops, paper presentations, industrial problem-solving challenges, and fun-filled competitions to engage participants in both academic and industrial aspects of chemical engineering.

Activities, Initiatives, Programs, Trainings

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	28/10/2024	ChEA Inauguration	100
2.	28/2/2025	Alchemy Inauguration	100
3.	1/3/2025 & 2/3/2025	Alchemy'25	220

Collaborations

Sl. No.	Organization	Type of Collaboration	Remarks
1.	Bureau of Indian Standards	Workshop	Series of workshops conducted pre and post Alchemy
2.	Greengine	Guest Lecture	Guest lecture on microalgae
3.	Memory Box	Workshop	



ChEA 24-25 Inauguration - 28/10/2025



Alchemy'25 Inauguration - 28/2/2025

Civil Engineering Association

Association Activities:

The Civil Engineering Association (CEA) has been actively fostering knowledge exchange and professional development through a series of engaging activities. The Civil Engineering Association (CEA) proudly hosted its inaugural event on 22nd January 2025, marking a significant milestone with an impressive turnout of over 200 attendees. The occasion was graced by our distinguished chief guest, Mr. K. Senthilnathan, Executive Vice President & Head - Tech Services at Larsen and Toubro. The ceremony commenced with prayer song, followed by lighting of the lamp. The event officially began with a welcome address by the Chairperson, Mr. Kulandhaivelan, followed by an insightful address by the HoD, Dr. K. Muthukkumaran, who shared an overview of the department's growth and achievements. The Faculty Advisor, Dr. V. Sunitha, then provided a brief introduction to CEA and its initiatives, followed by the presidential address by the Dean (P&D), Dr. K. Baskar, who emphasized the significance of professional associations in fostering technical and leadership skills. The Chief Guest Mr. K. Senthilnathan captivated the audience with his insights into the tech industry, his experiences in engineering, and valuable career guidance for aspiring engineers. The event concluded with a vote of thanks delivered by the Overall Coordinator, Mr. Guruprasad, expressing appreciation for the collective efforts.

Association Events (AY 2024 - 25)

The Civil Engineering Association (CEA) successfully conducted Intern Talk on March 5th, an insightful session aimed at B.Tech students from the 1st, 2nd, and 3rd years. The event provided a platform for students who had excelled in their placements and internships to share their experiences and guide their peers across various career domains. The session began with insights into core engineering internships, where students discussed practical applications of structural analysis, project management, and site work. This was followed by discussions on analytics and software, emphasizing the growing role of AI, machine learning, and computational tools in civil engineering, along with proficiency in software like AutoCAD, STAAD Pro, and Revit.

The management segment highlighted the importance of leadership, strategic planning, and business aspects of engineering, guiding students toward project management and consulting roles. The session also covered higher studies, offering insights into entrance exams, scholarships, and university applications for master's and Ph.D. programs. The event concluded with an engaging Q&A session.

The association is planning to host an Alumni Talk featuring Mr. Sujeet Kumar, a distinguished alumna from the 1989 batch and Chief of Projects and Construction at Tata Steel, discussing a case study on slope protection at iron ore mines on 25th March 2025. Additionally, an Alumni Discussion is planning to be conducted on 29th March 2025 featuring Mr. Rajprabhu Thangappa, an esteemed alumna from the 2014 batch who is currently a Bridge engineer at RK&K on Ground Motion Selection for Response Verification. Furthermore, during MOMENTS 2025, with a theme of "InfraInnovate – A blend of Innovation and Infrastructure", the department's annual technical symposium, four technically sounded workshops, 3 offline guest lectures, 1 online guest lecture and 5 knowledgeable events are planned to be organized on 4th, 5th and 6th of April 2025.



CEA Inauguration Date: 22nd January 2025



Intern talk Date: 05th March 2025

Association of Computer Applications, Science and Technology

Association Events (AY 2024 - 25)

Version'25, the 32nd edition of the annual All India MCA meet organised by the Department of Computer Applications, NIT Trichy, was successfully conducted from 7th to 9th March 2025. With the theme VELOCITIUM: Empower Ideas, Minimize Code, the event focused on the impact of low-code development and developer productivity, drawing participation from over 150 students representing 20+ prestigious institutions across India. The inaugural ceremony, held on 7th March at GJCH Hall 2, featured a welcome Address by Dr. S. Domnic, Head of the Department, followed by an insightful speech from Dr. Vishnu Priya R. The Chief Guest, Mr. Ranjit Bhinge, Founder and No-Code Expert at BLUR APPS, delivered a compelling keynote on low-code development and AI-driven innovations. The session concluded with a Vote of Thanks by Mr. Chirag Agarwal, Student's Chairperson of Version'25. The inauguration set an enthusiastic tone for the three-day event, inspiring participants to push their creative and technical boundaries. The event featured a diverse lineup of technical and non-technical competitions, ensuring that participants had opportunities to showcase their problem-solving skills, creativity, and teamwork. Among the technical events, Algo Arena tested coding prowess through algorithmic challenges, while Dev Duo was a dynamic web development contest where teams collaborated to build applications. Code Reboot assessed debugging and theoretical knowledge through a two-stage competition. ModelQuest provided an exciting platform for machine learning enthusiasts, requiring them to develop models that achieved high accuracy on given datasets. Pitch 2 Rich encouraged entrepreneurial thinking by challenging participants to propose innovative business ideas and defend them before judges. Code Detox, an online debugging challenge, attracted numerous participants who aimed to improve their coding efficiency.

Additionally, Destinite provided top performers from various events with an exclusive mock interview experience, conducted by faculty members and industry professionals. This initiative helped students refine their interview skills, assess their strengths, and receive constructive feedback to enhance their professional preparedness. The event concluded with the Closing Ceremony, where winners from all events were felicitated with certificates and trophies. The organising committee was recognized for their dedication and hard work in making Version'25 a grand success. Dr. S. Domnic and Dr. Vishnu Priya R expressed their appreciation for the efforts of the students and encouraged them to continue striving for excellence. The event's legacy was further reinforced by faculty members who emphasised the importance of applying learned skills to real-world challenges. Version'25 successfully upheld its tradition of innovation, learning, and collaboration. By providing a vibrant platform for students to showcase their skills, engage with industry experts, and push the boundaries of technology, the event left a lasting impact on all participants. With its diverse mix of competitions, workshops, and networking opportunities, Version'25 once again proved to be a milestone in fostering talent and technological advancements.



Computer Science and Engineering Association

Association activities:

On October 25th, 2024, department of computer science and engineering conducted the inauguration of the 33rd edition of the Computer Science and Engineering Association (CSEA). The event was graced by Mr. Arun Krishnan, who currently serves as the Leadership Transformation Advisor at UnlockIT. He provided the attendees with valuable insights about the trajectory of their careers and what lay in store for them after graduation. The inauguration paved a path for Vortex'25 which was held on March 7th, 8th and 9th of 2025. On behalf of CSEA and Vortex'25, we organized a paper presentation program that saw participation from over 30 students, with evaluations conducted by our Ph.D. scholars. Based on their performance, eight outstanding students were selected for a summer research internship under the guidance of esteemed professors from the Computer Science and Engineering department.

Association Events (AY 2024 - 25)

The Computer Science and Engineering Association (CSEA) conducted the 33rd edition of Vortex, the annual symposium of the CSE department, from March 7th to 9th. Vortex serves as a dynamic platform that bridges the gap between academia and industry, bringing together students, professionals, and researchers through a diverse range of events, guest lectures, workshops, and internship opportunities.

With over 2,000 registrations across various events and workshops, the symposium witnessed an enthusiastic turnout from students at NIT Trichy as well as other colleges across Tamil Nadu. Eminent speakers delivered insightful guest lectures, including a virtual session with Keerti Purswami, an internet personality with over 180,000 YouTube subscribers, who helps developers enhance their skills through free tutorials and mock interviews.

On behalf of CSEA and Vortex'25, we also hosted a paper presentation program that attracted over 30 participants, with evaluations conducted by our Ph.D. scholars. As a result, eight exceptional students were awarded a summer research internship under the mentorship of esteemed professors from the Computer Science and Engineering department.

With workshops covering diverse topics and a mix of coding and non-coding events, Vortex provided a forum for inquisitive minds to engage with new ideas, collaborate, and network with like-minded individuals.



Inauguration of the 33rd edition of CSE Association held on 25th October 2024



Workshop on Cybersecurity conducted during Vortex'25 on March 8th 2025 in Orion

DEE Association

Association activities:

The Department of Energy and Environment proudly organizes ENERGIA, an annual departmental event that highlights critical themes related to energy and the environment. This event serves as a dynamic platform for students, researchers, and industry experts to engage in discussions, present innovative ideas, and explore cutting-edge technologies aimed at addressing global energy challenges.

Organized by the M.Tech Energy Engineering students, ENERGIA brings together professionals from academia, industry, and policymaking to foster collaboration and knowledge exchange. The event includes technical paper presentations, expert talks, panel discussions, workshops, and project exhibitions, all designed to inspire and educate participants on sustainable energy solutions and environmental conservation.

Each year, ENERGIA focuses on a unique theme that reflects the latest advancements and pressing issues in the energy sector, such as renewable energy integration, energy efficiency, climate change mitigation, and smart energy systems. The event not only enhances technical knowledge but also encourages interdisciplinary collaboration, helping students gain valuable insights into real-world applications of their studies.

With its commitment to promoting sustainable energy practices, ENERGIA continues to grow as a prestigious platform that nurtures young minds and paves the way for a cleaner, more energy-efficient future.

EEE Association

Association activities:

Inauguration:

The EEE Association conducted its very first inauguration on 18th October 2024. It had over 200 attendees, which is quite a remarkable achievement for our very first event of this edition. The inauguration was graced by the chief guest, Mr. R. D. Srinivasan, Senior Staff Performance Architect at Qualcomm. The event commenced with the prayer song dedicated followed by the lamp's lighting. The inauguration then began with the welcome address given by the chairperson of EEEA, Ms. Vallimayl, followed by the HOD, Dr M. P. Selvan, who was called upon to give an overview about our department and its achievements. Next was our faculty advisor, Dr Josephine R. L, who gave an overview of the EEE Association, and its activities followed by Dean (Academic) Dr. S. T. Ramesh giving the presidential address. A critical mark in the inauguration was the release of the biannual technical magazine, Tronicals. Tronicals is the technical magazine of the EEE association. The magazine hardcopies were distributed to the Dean (Academic), HoD EEE, Faculty Advisor EEEA, the Chief guest, Chairperson EEEA, Overall Coordinator EEEA and the softcopy was circulated to all the faculties and students. Finally, the chief guest was called upon to address the students. He gave a small talk which showed his work experience within the semiconductor industry and his endeavors as an engineer. The meeting then came to an end with the vote of thanks, delivered by the Overall Coordinator, Ms. Priya Darshini K, following it a photoshoot took place. Following the inauguration, these activities took place:

- A workshop on Long Short-Term Memory (LSTM) for load forecasting.
- An AI/ML event named "Bid-Genius."
- A guest lecture by Mr. R. D. Srinivasan on "Strategic Solutions in the System Architect's Journey: Shaping Interconnect and Memory Architecture."

Prior to the inauguration, we also planted a few saplings within our department soil space. WORD SPARK, an engaging essay competition on the topic "Towards a sustainable future: The role of engineers in shaping tomorrow" was conducted around February first week which received many submissions showcasing our students' interest on creative writing.

In the second week of February, a collaborative series of events was held by the Electrical Engineering (EE) societies of NIT Calicut, Surathkal, Warangal, and Trichy. This collaboration featured:

- A hackathon.
- A case study competition.
- A quiz.
- A guest lecture by Dr. Surender Reddy, a distinguished researcher recognized among the top 2% of scientists worldwide (Elsevier BV & Stanford University) and a member of IEEE and the IEEE Power Energy Society.

In the first week of March, a special invited talk on "Civic Ethics in Community" was delivered by Dr. Prateep V. Philip, former DGP of Tamil Nadu. The event drew an audience of approximately 700 students. Following Dr. Prateep V. Philip's talk, an online guest lecture was given by Dr. Palaniappan J, a respected alumnus of NITT's 1983 batch in the same week. Dr. Palaniappan, with his expertise in computer networking and semiconductors, and his extensive experience as a Software Executive, provided invaluable industry insights. A series of insightful online guest lectures, drawing significant attendance, were also conducted recently. These lectures featured esteemed guests from:

- Texas Instruments, discussing present-day automotive trends.
- Google, addressing the topic "Why the NSA Can't Hack Your Device Yet."

Social Responsibility Event:

Light Up 2.0, held on January 31st at MR Palayam Govt Higher Secondary School, was an incredible experience. We had the opportunity to interact with around 200 students, answer their questions and introduce them to various career opportunities. Their eagerness to learn and grow was truly inspiring. This initiative was more than just a session- it was about shaping young dreams. We hope our efforts will help them make informed choices for their future.

Association Events (AY 2024 - 25)

The EEE Association is excited to announce the 35th edition of Currents, our national-level technical symposium, scheduled for March 28th-30th, 2025. This three-day event will feature a diverse range of activities, including seminars, technical contests, quizzes, exhibitions, workshops, and paper presentations.

The inauguration ceremony, set for the afternoon of March 28th, will be graced by the HoD, faculty, director, EEEA members, and the student community. We are honoured to welcome Mr. Kuppuswamy, a 1983 batch EEE alumnus and former CPCL General Manager, as our guest of honour.

Building on the success of previous editions, Currents'25 is planned to include 7 technical workshops, 6 engaging events, and 2 offline guest lectures. We anticipate a vibrant and enriching experience for all participants.



EEEA Inauguration on 18th October 2024



Career guidance Social Responsibility event on 31st January 2025

ECE Association

Association activities:

The ECE Association was officially inaugurated on October 18, 2024, marking the commencement of a series of academic and professional development initiatives. As a prelude to the annual symposium, a workshop titled "Neural Vision: Secrets Behind AI Envisioning" was conducted on November 4-5, 2024, with an active participation of approximately 100 attendees. This workshop provided valuable insights into the fundamentals of AI-driven vision systems. In collaboration with PROBE, the association facilitated winter internships, offering students practical exposure under the mentorship of distinguished ECE faculty members. Additionally, the "Probeyond" online guest lecture series, held between December 2024 and January 2025, featured expert speakers from academia and industry, enriching students' knowledge in emerging domains. To support students in their GATE exam preparation, an online Mock GATE exam was conducted in association with ACE Engineering Academy, enabling participants to evaluate their readiness and enhance their problem-solving skills. The academic year concluded with the flagship symposium, PROBE 2025, held from February 6-9, which attracted significant participation and was widely recognized as a resounding success. These initiatives reflect the ECE Association's commitment to fostering academic excellence and professional growth among students.

Association Events (AY 2024 - 25)

1. ECE - Association Inauguration
 - o Date: October 18, 2024
2. Prefest Workshop: Neural Vision: Secrets Behind AI Envisioning
 - o Date: November 4th-5th, 2024
3. PROBE Symposium
 - o Dates: February 6th-9th, 2025
 - o Inauguration: February 6, 2025, 2:00 PM at A2 Hall
 - o Distinguished Guests: Ms. Suma Varughese, Director General, MED, DRDO & Dr. G. Aghila, Director, NIT Trichy

Workshops: A total of 7 cutting-edge workshops covering a wide range of topics: Digicloset; Procompanion; Snap on Chip; Introduction to Memory Making by Micron; MSPM0-Interfacing and Applications by Texas Instruments; System Verilog for Semiconductor Design and Verification Methodologies by Synopsys; SOC: Post-Si Bring-Up, Power, and Performance Optimization by Qualcomm

Events: 6 interactive events providing hands-on experience and learning opportunities: Stockpilot by ProV Logic, Labot, DCDC by ProV Logic, Brainspark, Datamaster by Micron & Make-a-thon by Qualcomm

Guest Lectures: 4 insightful guest lectures from industry experts:

Gen AI Hallucinations - Speaker: Mahesh Ramchandran, Qualcomm

VLSI Through the Ages: A Roadmap to Tomorrow's Technology- Speaker: Prasanthi Chanda, ProV Logic

Overview of Micron and DRAM Speaker: Himanshu Bhanot, Micron

Automation in SOC Methodology - Speaker: Richardson Jeyapaul, Qualcomm



PROBE Symposium Inauguration, Events
February 6th, 2025, at 2 PM



ECE Association Inauguration,
October 18th, 2024, at 2 PM

The English Guild

Association activities:

The English Guild, The English Association of the Department of Humanities and Social Sciences at the National Institute of Technology, Tiruchirappalli, organized several events during the July-December 2024 semester.

In July, they celebrated Disability Pride Month with informative Instagram posts about disability rights, representation, and influential figures. August featured a poetry discussion on Ted Hughes and Ogden Nash's animal-themed verses, exploring their contrasting styles.

September's Banned Book Week involved an Instagram "Guess the Book" event, highlighting censored literature and promoting literary freedom. In October, the guild hosted two major events:

"Whodunnit?" - A murder mystery game challenging participants' analytical skills through three rounds of detective work.

An online book discussion on "Resilience and Wandering Subject," exploring themes of subjectivity and resilience in contemporary literature.

These events successfully engaged students from various departments, fostering intellectual discourse, literary appreciation, and awareness of important social issues. The diverse range of activities demonstrated the guild's commitment to promoting literature and critical thinking among the student body.

Association Events (AY 2024 - 25)

Lexicon '24, the English Literary Week at the National Institute of Technology, Trichy, took place from February 24-28, 2025. The event featured a mix of online and offline activities, including talks, workshops, competitions, and creative events.

Key highlights:

- Inaugural talk by Dr. Kavya Krishna K.R. on how attire in cultural performance and the arts has evolved and its impact on societal norms and values
 - Carpe Debate competition with spontaneous topics and three rounds
 - Guest talk by Dr. Kalyani Vallath on career development, titled: "Magic Ingredient for Your Career Soup"
 - Pounce and Pouncability Quiz with 12 participating teams
 - Workshop on AI in education by Kavitha Krishnakumar
 - Game Night (Potpourri) with team and individual rounds
 - Poetry competition "Lines Written in Logos" featuring blackout, verse, and slam poetry
- Online events included Photography, Meme Creation, Micro-fiction, and Typography competitions, judged by Dr. Yogeshwari and Dr. Premkumar.

The week concluded with a valedictory function, recognizing winners and participants. Throughout the event, students from various colleges showcased their talents in literature, debate, quiz, and creative arts. The hybrid format allowed for both in-person and virtual participation, ensuring a diverse and engaging experience for all attendees.



Inauguration, Lexicon '24
24-02-25



Literary Quiz, Lexicon '24
25-02-25

Instrumentation and Control Engineering Association (ICEA)

Association activities:

The Inauguration of the Instrumentation and Control Engineering Association (ICEA) 2024-25 at NIT Tiruchirappalli was a grand event that brought together esteemed dignitaries, faculty, and students to celebrate the launch of this student-run body. The event began with a warm welcome by the hosts, acknowledging the presence of distinguished guests, including the Director, Dean, Chief Guest Dr. Kallol Roy, and Guest of Honour Dr. Swaminathan Natarajan. A prayer song, *Tamil Thai Vazhthu*, was sung, followed by the traditional lighting of the lamp, symbolizing the illumination of knowledge. Ms. Mahika Arunkumar, Chairperson of ICEA 2024-25, welcomed all dignitaries and attendees, emphasizing the association's role in fostering research, innovation, and collaboration. Dr. K. Dhanalakshmi, Head of the Department, highlighted the department's achievements, including: 100% placements in the M.Tech Industrial Automation program, Accreditation from NBA for six years, students securing internships at MITACS, DAAD, ThinkSwiss, CMU, and winning prestigious hackathons., The establishment of a MEMS & Mechatronics Lab with a ₹90 lakh grant, The near completion of a 4200 sqm annex building. Dr. Shiraz Sohail elaborated on the vision and mission of ICEA, emphasizing its role in bridging the gap between theoretical learning and practical applications through various initiatives. Dean RMC delivered the Presidential Address, encouraging students to leverage ICEA for academic and professional growth. Dr. Kallol Roy, an expert in fault diagnostics and predictive maintenance, delivered the inaugural speech, inspiring students with insights into control systems and modern engineering challenges. Dr. Swaminathan Natarajan and Dr. Kallol Roy jointly delivered a keynote on Concepts towards building digital twins of complex industrial systems/plants based on physics-informed models and data-oriented models. Mr. Ayush Bundela, Treasurer of ICEA, expressed gratitude to all dignitaries, faculty, and students for making the event a success.

Association Events (AY 2024 - 25) – SENSORS '25 March 7th to 9th 2025

The NITT ICE Technical Symposium "Sensors 25'" unfolded as an inspiring celebration of innovation, collaboration, and technical excellence. Over the course of three dynamic days, participants experienced a harmonious blend of insightful lectures, hands-on workshops, and competitive events, each event reflecting the spirit of curiosity and innovation.

On March 7, the symposium commenced at 4:30 PM with a dignified inauguration ceremony that seamlessly set the stage for the days to follow. The ceremony was graced by the esteemed presence of Mr. P.S. Krishna, Principal Consultant in Automation, along with distinguished guests such as Director Aghila and Dean of Faculty Welfare, Kumaresan Sir. The welcome address delivered by the Sensors Chairperson, Ms. Mahika Arunkumar, resonated with enthusiasm and purpose, while the overall coordinator, Mr. Priyansh Pangaria, presented an engaging "Glimpse of Sensors" segment that highlighted the legacy and aspirations of the symposium. Further enriching the proceedings, the session featured the insightful perspectives of Dr. K. Srinivasan, HOD of ICE, and Dr. Shiraz Sohail. The inauguration was elegantly punctuated by the symbolic lighting of the candle, the presentation of a memento to the chief guest, and a thought-provoking guest lecture by Mr. Krishna himself. The day concluded with a heartfelt vote of thanks by Ms. Avantika, encapsulating the collective gratitude and high spirits of the gathering.

March 8 continued the journey of learning and exploration with a series of expert-led sessions and interactive workshops. The highlight of the day was the riveting guest lecture on Natural Language Processing by Mr. S. Jayakumar, held in GJCH 2—a session that captivated the audience with its thoughtful insights into the cutting-edge realm of AI-driven language understanding. Complementing the lecture were two impactful workshops: "Mastering PCB Design" conducted by Ram Prassana (Rapteer), which spanned from 10:30 AM to 12:30 PM at Orion G12, and "A Hands-On Introduction to Sensor Application" led by Ravikumar from 2:00 PM to 5:00 PM at the same venue. The day also saw the creative flair of events like Blackbox—hosted at Orion G11—and TechQuest on March 7 at Orion G11, which added competitive zest to the symposium.

The final day, March 9, was marked by a renewed spirit of exploration and technical mastery. The audience eagerly gathered in GJCH 2 for an engaging guest lecture on Embedded Electronics delivered by Mr. Balajee Seshadri. The symposium's technical depth

was further enriched by the workshop on “Design of Controllers in MATLAB and SMPC” by Bosch, offered in two comprehensive sessions—one from 10:00 AM to 12:00 PM and another from 1:30 PM to 3:30 PM—both held at Orion G12. Energizing the competitive circuit, events like Sensors Hunt and Circuit Mastermind (on Orion G11) challenged the creative and analytical minds of the participants. As the day drew to a close, the symposium culminated in a heartfelt valediction ceremony at 5:00 PM in Orion G12. Esteemed dignitaries, including HOD, Dr. Umapathy and Dr. Shiraz Sohail, graced the ceremony, where candid appreciations were extended to the entire Sensors team for their exemplary efforts in orchestrating a successful event. The formal proceedings gave way to a relaxed atmosphere, as participants, leaders, and volunteers mingled over snacks and hoodies—symbols of both camaraderie and the collective achievement. This rich tapestry of events not only showcased technical brilliance but also fostered an environment of innovation, leadership, and community spirit. Every session, workshop, and competition was thoughtfully designed to inspire participants, nurture their curiosity, and spark transformative ideas for the future.



Association Inauguration



Sensors '25 Inauguration

Mechanical Engineering Association (MEA)

Association Events (AY 2024 - 25)

SOIREE:

The initiative series started with "Soiree," an interactive forum for Mechanical engineering students, conducted by the MEA and Synergy Core to cultivate interaction and bonding among fresher students and discuss the department, academics, MEA initiatives, and Synergy teams. This time, Soiree was held in offline mode on 29th November 2024 in Barn Hall

CONZULENZA:

The next initiative is "Conzulegenza," an academic-based initiative to provide guidance and discussion to the students regarding course registration, various courses, programs and open electives, minors, and honors, comprising a series of speakers from 3rd years, to mentor 2nd years, conducted in online mode on 22nd December 2024.

INTERN TALK:

Intern Talk, is a premier initiative that discusses the possible internship opportunities that guide the students to navigate different internship domains they aspire to make their career and clarify possible doubts. To alleviate the initiative, MEA hosted an Intern Talk on 28th January, 2025 with a panel of twelve speakers covering fields like research, company core, management, and software.

SYNC:

The next flagship initiative is 'SYNC'. The career opportunities after four 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) held on 15th February 2025, with the help of our Networking and Speakers Forum team where we plan to bring in distinguished and prestigious alumni who have been successful in different domains to share their perspectives. This edition, the Sync 4.0 series, was conducted with an alumni from the Mechanical dept, Dr. Guruswami Ravichandran a distinguished mechanical engineer specializing in the deformation and failure of materials, dynamic behavior, and experimental mechanics. He has served as the Otis Booth Leadership Chair of the Division of Engineering and Applied Science at Caltech

WHELOCITY GUEST LECTURE:

The next initiative is the "Guest Lecture Series" held on 26th February, 2025 featuring Mr. Kartheepan Kannan, Associate Director of Strategy at Wheelocity, a leading player in the fresh produce supply chain. During the session, he provided valuable insights into Wheelocity's operations, emphasizing the fruits and vegetable market and highlighted the untapped potential of rural markets, discussing how technology-driven supply chains can bridge the gap between farmers and urban consumers

SYNERGY'25:

Synergy is the annual technical symposium of the Mechanical Engineering Association (MEA), NIT Trichy, providing a platform for students to engage with industry professionals, compete in technical challenges, and gain hands-on experience in emerging technologies. Synergy'25 featured six workshops, eight technical events, and three guest lectures, along with an expo showcasing advancements in the automotive sector.

With a total footfall of 815+ participants, Synergy'25 was a resounding success, upholding its legacy of learning, innovation, and competition. The event was made possible through the collective efforts of the organizing teams, faculty, sponsors, and the enthusiastic participation of students from across the country.



SYNERGY



SOIREE

Metallurgical And Materials Engineering Association

Association Events (AY 2024 - 25)

1. Inductions 2024-25: A total of 20 Co-Heads and 40 Managers were selected from a pool of 100 third-year and second-year students during the induction process conducted in October 2024.
2. Team Introduction: An introductory all-team meeting was held in November 2024 to align objectives and facilitate collaboration.
3. Brand Identity: The official logo for the current edition was designed and published.
4. Event Planning: By the first week of January, event dates were finalized, and all teams commenced their work in an organized manner.
5. Sponsorships for METTLE: Successfully secured seven sponsors, including Chennai Metco, JSW, IIM, Raja Mandir, EngageX, Unitee, and CyWrech.

Association Events (AY 2024 - 25)

Intern Talk: Students from various domains shared insights in a session held on October 23, 2024.

Expert Guest Lecture: Prof. Ashok Kumar delivered an engaging talk on "Bridging the Gap: Industry Expectations from Fresh Engineering Graduates."

METTLE Symposium: The event was inaugurated by Director Ma'am, Mr. Prasanna Kumar, and Dr. S.V.S. Narayana Murty on February 7, 2025.

Workshops: Interactive sessions were conducted on: Materials in Weapons Industry (Ordnance Factory) Lithium-Ion Battery Technology 3D Printing in Gold Jewellery (Titan-Tanishq) Held on February 7-8, 2025.

Guest Lectures: Dr. S.V.S. Narayana Murty, Dr. B. Subramaniam, Dr. Shankar S, and Shikhar Krishn Jha delivered insightful sessions from February 7-9, 2025.

Events: Competitions such as METALPRENEUR, Photo Scavenger Hunt, Metallurgy Jeopardy, and IIM Quiz were successfully held from February 7-9, 2025.



Expert Guest Lecture (21st January)



Ordnance Factory Workshop (7th February)

Physics Association

Association Events (AY 2024 – 25)

INPHYNITT'25

The annual department symposium in physics was successfully organized by the MSc (Physics) students on March 7, 2025, by the guidance and encouragement of Dr. R. Justin Joseyphus (HOD) and Dr. R. Sankaranarayanan (Staff Advisor). Inaugurated by Dr. S. T. Ramesh (Dean, Academics), the event featured two insightful lectures: (i) *Wave-Particle Duality: From Atoms to Quantum Devices*, by Dr. N. Meenakshi Sundaram (Vivekananda College, Madurai), (ii) *Optical and IR Astronomy: Indian Observing Facilities* by Dr. C. Muthumariappan, (IIA, Bangalore). In addition, the event had host of competitions (i) On-campus: Paper presentation, Crossword, Rubik's cube, Quiz, Escape room and Treasure Hunt (ii) Off-line: Photography, Meme-making, Poster design and Reel-making.

The symposium concluded with prize distribution for the winners and vote of thanks. Nearly 150 undergraduate and postgraduate students from various colleges actively participated and benefitted from the symposium. M.Sc. students worked hard as a team and meticulously planned in making the event a great success.

QUALITY'25

National Student Symposium on Non-Destructive Testing for Industrial Applications. The Department of Physics, NIT Trichy, successfully hosted the QUALITY 2025 National Student Symposium on Non-Destructive Testing for Industrial Applications on 18 February 2025, bringing together 115 participants from across the country.

The symposium featured an insightful keynote lecture by Dr. R. J. Pardikar, who discussed the past, present, and future of Non-Destructive Testing (NDT). Additionally, Dr. Sethupathy delivered a distinguished lecture on "Applications of Digital Radiography in the Power Sector." A demonstration of NDT techniques was conducted by Mr. Peter, an officer from BHEL. The event also included quiz, video scavenger hunt and poster presentation. The symposium concluded with the distribution of cash prizes, certificates and awards, celebrating the participants' achievements and contributions.



INPHYNITT'25



QUALITY'25

Production Engineering Association

Association Events (AY 2024 - 25)

The Production Engineering Association (PEA) is dedicated to fostering excellence and innovation in the field of production engineering through a range of dynamic activities. At the forefront of our endeavors is the annual inauguration ceremony featuring esteemed guest Dr. Ramesh venkatesan, where the PEA leadership is formally introduced, setting the tone for a year of impactful engagement. This is followed by enlightening guest lectures by esteemed industry professionals, providing students with invaluable insights into current trends and challenges within the industry.

Throughout the year, PEA organizes a series of workshops and events aimed at honing technical skills and promoting interdisciplinary collaboration. From puzzle expeditions to paper presentations, these activities offer students the opportunity to apply classroom knowledge to real-world scenarios and showcase their ingenuity. With a focus on holistic development and industry relevance, PEA continues to inspire and empower the next generation of production engineers.

Association Events (AY 2024 - 25)

The annual symposium, Prodigy, is the flagship event of the Production Engineering Association, providing students with an opportunity to showcase their technical skills and gain insights from industry leaders.




The 2024-25 edition of Prodigy commenced with an insightful guest lecture by Mr. Udaya Sankar, National Lead - NASSCOM, on *Industry 4.0 and Beyond*. Another remarkable session was conducted by Dr. Ramesh Venkatesan, CEO - Kaizanate Technologies, who shared valuable insights on *Enhancing Product Reliability* Throughout the event, students actively participated in various competitions designed to challenge their problem-solving and technical skills. Some of the key events are X Factory - Quiz, Bid and Build, Industhink - Paper Presentation, Code to Cut - CNC Coding Challenge and Lean Lords - Case Study Contest. In addition to competitive events, several workshops were organized to enhance practical knowledge and skill development, including: Simulation with Ansys, SolidWorks Design, Soft Skills for Interviews and Corporate Life, Workshop on Product Development and Product Management Workshop.

Guest Lectures Arranged

Sl. No.	Name, Designation & Organization	Subject / Topic	Date & Duration	Offered to
1	Dr. M. Manohar, Retired from ISRO	Aerospace materials	21.08.2024 1 hour	Research scholars of Production Engineering Department
2	Mr. Ravindran, GM BHEL	Effective Energy Utilisation	24.10.2024 1 hour	UG, PG and Research scholars of Production Engineering Department
3	Dr.Venkataramanaiah Saddikuti, Professor - Operations Management, IIM Lucknow	Project Management - Planning and Scheduling	10-03-2025 2 hours	Research scholars of Production Engineering Department



Inauguration of Prodigy'25 (24.10.2024)



STUDENT **ACTIVITIES**

STUDENTS ACTIVITIES

Sports Achievements 2024-2025

All India Inter NIT Tournament Achievements

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Achievement
1.	December 20 th 2024-December 23 rd 2024	All India Inter NIT Cricket and Chess Tournament	Our students participated in All India Inter NIT Cricket and Chess Tournament conducted by NIT Silchar on Dec 20 th – Dec 23 rd 2024	Secured over all Third Prize (Bronze Medal winners) in All India Inter NIT Tournament.
2.	January 24 th 2025-January 26 th 2025	All India Inter NIT Badminton and Kabaddi Men and Women Tournament	NIT Tiruchirappalli organized All India Inter NIT Badminton and Kabaddi Men and Women Tournament from Jan 23 rd – Jan 26 th 2025 , NIT Tiruchirappalli created a history by winning Over Trophy in all Games in both Men and Women category	Overall Champions in Badminton Men and Women (Gold medal winners) Overall Champions in Kabaddi Men and Women categories
3.	February 7 th - 9 th 2025	All India Inter NIT Basketball and Table Tennis Men and Women Tournament	NIT Jalandhar All India Inter NIT Basketball and Table Tennis Men and Women Tournament from Feb 7 th -9 th 2025	Overall Second Prize in the Basketball (Men Category)Tournament and Third prize winners in Table Tennis Women Category
4.	February 21 st -23 rd February 2025	All India Inter NIT Volleyball , Yoga and Handball Tournament	NIT Warangal organized All India Inter NIT Volleyball , Yoga and Handball Tournament from Feb 21 st -23 rd 2025	Overall second prize winners in Men Volleyball Tournament and Women Handball category . Third prize winners in Women Volleyball category.
5.	March 7 th -9 th 2025	All India Inter NIT Kho-Kho Men and Women and Hockey Men Championship	NIT Calicut organized All India Inter NIT Kho-Kho Men and Women and Hockey Men Championship from March 7 th -9 th 2025	Third prize winners in Kho-Kho Men Championship.

Students Achievements and Award winners

Sl. No.	Achievements	Details
1.	Best Athlete All India Inter NIT Athletic Championship	Annamalai PS B.Tech final year student from Mechanical Engg. is nominated as Best Athlete at All India Inter NIT Athletic Championship for his exceptional performance by Winning 3 gold medals and showcasing the Top performance in Triple Jump Men event
2.	Best player in Badminton Women category	Ms. Nithya of B.Arch IV year has nominated as the Best Player in the All India Inter NIT Badminton Badminton Tournament

3.	Best Rider in the Women Category Kabaddi	Ms. Sandhya of B.Tech Production Engg , Final year students has been nominated as the Best Rider All India Inter Kabaddi Women category
4.	Best Rider in the Men Category Kabaddi	Mr. Raju of B.Tech Production Engg (IIIrd Year) has been nominated as the Best Rider All India Inter Kabaddi Men category



NIT Tiruchirappalli created a history by winning Over Trophy in all Games in both Men and Women category at All India Inter NIT Kabaddi Men and Women Tournament 2025

NATIONAL CADET CORPS

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	23/10/2024	Breast Cancer Awareness walk & T- shirt distribution	Participants paraded through the community, symbolizing unity in the fight against breast cancer, spreading awareness.	400
2.	27/10/2024	Guest Lecture on Breast Cancer Awareness	Dr. B Anis(MBBS,MS, MRCS, Mch Surgical Oncologist) shared valuable insights on prevention, treatment, and the broader impact of breast cancer.	170
3.	27/10/2024	Panel Discussion by the survivors of Cancer	An inspiring panel with panelists Ms. Aarthi and Ms. Fathima shared their tales of strength and resilience.	150
4.	25/10/2024, 26/10/2024 & 8/11/2024	Free Thermogram Tests	Tests, aimed at early detection of health issues related to breast health, showcased a proactive approach to community health and preventive care.	250 students, 50 faculty and staff
5.	14/01/2025	Guest Lecture on Veterans Day	Cpt. Annadurai, a veteran has shared inspiring insights on military life, discipline, and national security.	130
6.	25/02/2025 – 01/03/2025	Cloth Collection Drive	Have collected the Old and un- used clothes from the students in the college to donate to the poor.	50
7.	14/03/2025	Panel Discussion on Defence opportunities for Engineers	Col. Vijaykumar, Maj. Gen. NRK Babu and Wg. Cdr. Subhash have shared various entry schemes for engineers to join defence and clarified doubts regarding SSB.	150
8.	16/03/2025	Guest Lecture on his experience during Kargil war.	Lt. Col. Anand Maria Charles has shared his invaluable lessons on resilience, leadership and pushing boundaries.	120

Sl.No.	Achievements	Details
1.	Drill Shield (CATC-1)	1st
2.	Cross Country Run (CATC-1)	Overall – 2 nd
3.	Solo Song (CATC-1)	3rd
4.	Group Dance (CATC-1)	3rd
5.	Drill Shield (CATC-2)	2nd
6.	Cross Country Run (CATC-2)	Women – 1 st & 2 nd Men – 2 nd
7.	Solo Song (CATC-1)	2nd
8.	Cadets got selected to IASC Vayu Sainik Camp	One SD based on Rifle shooting One SW based on Drill
9.	Tent Pitching (IASC VSC)	3rd
10.	Health and Hygiene Viva (IASC VSC)	Finalists

11.	2 Cadets have selected for Basic Leadership Camp, Coimbatore	1 SD & 1 SW
12.	Cadet got selected for Advanced leadership Camp, NIT Surathkal, Karnataka (South Indian highest leadership Camp)	1 SD
13.	Outstanding Contribution and Performance Award	Group Level



Breast Cancer Awareness Walk in the Campus. (23/10/2024)



Guest Lecture by **Cpt. Annadurai** on Veterans Day. (14/01/2025)

NATIONAL SERVICE SCHEME

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	4-10-2024	Vigilance Awareness	Cycle rally was organized with NSS volunteers for the Vigilance awareness	150
2.	16-10-2024	Blood Donation camp	A blood donation camp was organized by the National Service Scheme (NSS) team of NIT Trichy on 16th October 2024, in collaboration with NIT Trichy Hospital and Government Raja Mirasudar Hospital, Thanjavur. The event aimed to encourage students and staff to contribute to life-saving efforts through blood donation	250
3.	17-9-2024 to 2-10-2024	Swachhata Hi Seva-2024	Taking Pledge, organizing Quizzes and cleaning Institute and Office Premises	300
4.	20-01-2025	NSS orientation Programme	Detail discussion about the NSS activity for the year 2024-2025	560
5.	29-01-2025	National Road Safety awareness Programme	Road Safety Rally was organized in NITT	250
6.	5-03-2025.	International Women's Day	NSS Volunteers of NITT conducted awareness Rally on "International Women's Day" starting from Orion to Logos on 5-03-2025.	250
7.	19-03-2025 to 25-03-2025	NSS Special Camp	NSS special camp was organized in Government High school, Thirunedungulam, Thirunedungulam middle school, Govt. Middle School, Arasankudi Govt. Primary school, keelvelangulam and Higher Secondary School for Blind Girls, Tiruchirappalli, NSS volunteers conducted the activities on awareness programme about health & hygiene & Rain water harvesting, Science exhibition, sports competition, Drawing completions etc.	560



Blood Donation camp on 16-10-2024



Special Camp Inauguration on 19-03-2025

FESTS

FESTEMBER

Festember is NIT Trichy's annual cultural fest and is the largest of such fests held in South India. Every year it raises the bar for other college fests with its energetic proshows, wide spread workshops, scintillating guest lectures and engaging events all across the board. With a footfall of upwards of 18000 students, coming from over 500 colleges all over India, Festember is the most awaited college fest of entirely driven by student passion and innovation

Festember flawlessly managed to integrate the rich and vibrant culture of India in its theme of Deccan Odyssey with strategic and accurate brand engagement with several companies that decided to partner up with Festember.

A well-structured marketing campaign played a crucial role in Festember '24's outreach and success. Offline branding avenues were extensively utilized, with banners, standees, and arches strategically placed across campus to ensure optimal visibility for sponsors. These physical installations, coupled with digital branding efforts, extended the festival's reach beyond its physical boundaries, engaging a wider audience.

Festember '24 had more than 60 events spread across 12 clusters including art, music, drama, dance and many more. These events were spread throughout the fest and gave the feel of artistic excellence and friendly competition to the fest and gave a stage to showcase the talent and skills of the participants. Among these events, GigaHertz, Choreonite and Fashionitas stood out the most for attracting the largest amount of crowds and leaving the audience mesmerized with the unique and jaw dropping performances prepared by all the participants.

Emcee mentions during major events ensured repeated brand recall, while video advertisements played during key moments reinforced sponsor messaging. The integration of digital campaigns, social media contests, and influencer collaborations helped sustain audience engagement and drive visibility across multiple platforms.

Several workshops served as a major attraction. Workshops like perfume making, Tanjore painting, fusion dance catered to art enthusiasts and informals like laser tag, gaming arena and escape room were a refreshing change and kept the crowd engaged throughout the day, giving them a much needed chance to unwind and enjoy spontaneous fun.

The guest lecture series added intellectual depth to the fest, featuring an impressive lineup of speakers, including acclaimed filmmaker Mari Selvaraj, actress Gouri Kishan, and members of the Vettaian cast, graced Festember with their presence and gave us a chance to interact with them up and close and to learn from their experiences in college, their industries and life in general too. Their inspiring talks provided insight into the creative industries, enriching the cultural experience for attendees. The highlight of the Festember cultural scene were four mesmerising proshows night after night. Day 0 had performances from NIT Trichy's very own Dance Troupe and Music Troupe.

They put out a spectacular array of performances blending together multiple genres of music and dances, paying homage to the rich cultural diversity of our Nation. Day 1's EDM Nite witnessed the musical stylings of the one and only, DJ Holy C. She delivered an electrifying performance that had the audience dancing non-stop.

Fusion Nite on Day 2 saw The Lost Fireflies embrace the stage with a medley of musical performances from various languages that enraptured the crowd. On day 3 we saw the famous Kollywood playback singer Karthik as part of Popular Nite to captivate us with his magical voice and impressive discography. His mesmerizing vocals created an unforgettable finale. Contributions from all Festember teams led to this edition of Festember being extra special, their immense and impressive efforts paid off in form of these invaluable memories we have made.

Festember proshows are one of the major reasons for such an impressive footfall, such high numbers ensure 100% brand visibility and outreach. Proshows also served as a primary marketing avenue, offering sponsors high exposure through on-stage mentions, backdrop branding, and online promotions. Additionally, company stalls set up at prime locations provided interactive brand experiences, allowing attendees to engage with products and services firsthand. Sponsored workshops and competitions further strengthened brand association with the fest's creative and competitive elements.

The festival's broad appeal, combined with a diverse range of events, proshows, and workshops, ensured maximum participation and sustained interest over all four days. The festival's online presence was equally significant, with social media platforms playing a vital role in engaging audiences.

Pre-event promotions, live event coverage, and post-event highlights ensured continuous interaction, fostering a strong digital community. Leveraging influencer outreach and interactive content, Festember '24 managed to extend its impact beyond on-ground activities, attracting an even larger virtual audience.

Beyond traditional advertising, the marketing campaign created an immersive brand experience for sponsors. By integrating brands seamlessly into Festember's vibrant environment, companies gained direct access to a young, engaged audience eager to explore new products and services. The targeted digital promotions, influencer collaborations, and interactive contests ensured sustained engagement before, during, and after the event, maximizing ROI for partners. This holistic approach helped sponsors enhance brand recall, establish credibility, and forge long-term connections with their key demographic.

Festember '24 was a monumental success, made possible by the relentless efforts of its organizing committees, including the Culturals, Marketing, Events, Guest Lectures, and Workshops teams.



PRAGYAAN 2025

Since its inception in 2005, Pragyan has been the first student-run organization to achieve ISO Certification for Sustainable Event Management and Quality Management Systems. Pragyan 2025, the annual techno-managerial festival of NIT Tiruchirappalli, took place from 20th to 23rd February 2025, spanning three and a half days. The event attracted 2,500 offline and 3,500 online participants.

The fest featured a diverse array of technical competitions, guest lectures, and exhibitions, fostering innovation and technical excellence. The Inauguration was graced by Chief Guest Dr. Anbuthambi B, Head of Strategy at L&T EduTech. Key highlights included Robowars featuring 20+ battling bots in 8kg and 15kg Category, the first-ever FinTech-A-Thon, and over 15 workshops in tech advanced topics.

Infotainment shows featured performances by The Ultimate Striderz, Shadow Art by Rekha Vyas, and a Sand and Light Art Show by Vivek Patil, culminating in a captivating performance by Mysore Express Band and Singer Antara Mitra. A dedicated Alumni Panel featured esteemed NIT Trichy graduates who shared their invaluable experiences and guidance. Crossfire and guest lectures brought together distinguished speakers, including Dr. Arokiaswamy Velumani, Founder of Thyrocare, Vijender Singh Chauhan, a UPSC Interviewer, and IAS Anil Swarup, Former Coal Secretary. The Crossfire session, themed "Navigating the Bridges Between Nationalism and World Order," provided a platform for thought-provoking discussions.

Sangam and Ingenium encouraged creative problem-solving through a Hardware Hackathon spanning three domains: Green Energy, Defence, and Industrial Automation. The Social Responsibility wing organized impactful initiatives such as Techids and Bag of Delights for underprivileged children. OpenHouse, in collaboration with SCIEnT, provided a platform for student-led projects and startups.

Pragyan 2025 also presented remarkable exhibits from esteemed organizations such as NIFTEM, ADA, Boeing, and ISRO, offering attendees valuable insights into cutting-edge technological advancements.

Pragyan 2025 also witnessed the support of Larsen & Turbo as Title Sponser, NPCI as Co-Title Sponser, IDFC Bank as Powered By Partner, Recal as Legacy Partner, Rolls Royce as Driven By Partner, and was also supported by Digital India, Make in India, National E-governance Division, Youth India Foundation and Bureau of Indian Standards. The S.P.A.M initiative supported interdisciplinary project development. With an exceptional blend of competitions, lectures, and innovation-driven events, Pragma 2025 set new benchmarks in student-led excellence and concluded with grand success.



Guest Lecture by Anil Swarup, IAS and former coal secretary.
Date : 21st February 2025



Prize Distribution during Pragma'25 Valediction
Date : 23rd February 2025

NITTFEST

Since its inception, NITTFEST has stood as the pinnacle of cultural excellence at NIT Trichy, fostering a spirit of competition, creativity, and camaraderie among students. The 32nd edition of NITTFEST 2025, the annual inter-departmental cultural fest, took place from 20th to 23rd March 2025, witnessing an overwhelming participation of over 3,000 students from 15 different departments.

With more than 65 meticulously curated events, NITTFEST 2025 celebrated diverse artistic expressions across multiple domains, including culturals, fashion, gaming, literary arts, and fine arts. The festival also introduced unique informal experiences such as Pet Yoga, Soapy Football, and a Pet Experience Centre, along with the highly anticipated pre-fest event Midnight Madness, where 350+ participants competed in thrilling night-long games.

The inaugural ceremony was graced by Tamil film director Elan, setting an inspiring tone for the fest. One of the most anticipated highlights was the Candlelight Concert featuring Gini, a mesmerizing musical evening that marked a historic first for NIT Trichy's cultural festivals. The indie band Paatuvaasi took the stage with a soul-stirring performance, blending nostalgic and aesthetic melodies under the night lights, creating a truly elegant experience. Adding to the grandeur was a Neon Light Party, an electrifying spectacle of pulsating beats, fluorescent hues, and immersive visuals. The festival reached its peak with a spectacular performance by Andrea Jeremiah on the final day, leaving the audience spellbound.

NITTFEST 2025 also featured insightful guest lectures, bringing together cinematic brilliance and storytelling. Elan, along with the cast of *Kanappa*, including Priety Mukundhan, Mukesh Kumar Singh, and Arpit Ranka, engaged in interactive sessions, offering students a glimpse into the world of cinema. Laughter echoed through the fest with a stand-up comedy performance by Vivek Samtani, ensuring moments of lighthearted entertainment.

The success of NITTFEST 2025 was made possible through the generous support of its sponsors, including Zenoti as the Title Sponsor, Lotte Choco Pie as the Associate Sponsor, RECAL as the Legacy Partner, and Josh as the Media Sponsor, whose contributions played a pivotal role in elevating the scale and impact of the festival.

With a seamless blend of competition, entertainment, and cultural celebration, NITTFEST 2025 set new benchmarks in student engagement and artistic excellence, reaffirming its status as one of the most awaited cultural festivals of NIT Trichy. As the curtains closed on this remarkable edition, the spirit of creativity and unity continued to resonate, paving the way for even greater celebrations in the future.





CLUB ACTIVITIES



CLUB ACTIVITIES 2024 – TECHNICAL CLUBS

180 Degrees Consulting – The Business Club

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No.of Participants
1.	15/10/2024	Project Wheelocity	Wheelocity is a budding e-commerce company that is building strong supply chains to facilitate the movement of fruits and vegetables in rural India. 180DC was engaged in strategizing methods to reduce weekly sick terminal percentages, developing a framework to target low performing terminals and to help drive conversion.	10
2.	23/10/2024	Consulting Crusade	First year event	70
3.	28/11/2024	Project Invisible.io	Invisibl.io is a company that has a Bioinformatics platform for Multi Omics, Computational Biology and AI/ML experiments. 180DC is engaged in a project cycle with Invisibl.io to identify use cases of gen ai in healthcare, life sciences and finance industries based on the market landscape and demand analysis. The project also involves curating a customer persona to help in their lead generation.	8
4.	6/11/2024	Project Ambiator	Ambiator Private Limited is a Climate Technology company that works on reducing energy bills for customers and helps reduce the environmental impact by developing cooling systems. 180DC was engaged with Ambiator to estimate their potential market size, analyse the competitor landscape and draft a comprehensive market expansion strategy by shortlisting potential tier 2,3 and 4 cities across India.	8
5.	1/12/2024	Project SoMe	SoMe is a corporate learning platform. Team 180 DC evaluated 30+ companies across 5 sectors, identifying 10+ high-potential clients for expansion. We also established 4+ KPIs to prioritize clients and streamline the acquisition process, improving efficiency by 20%.	8
6.	14/12/2024	Data Dive Bootcamp	3 week online bootcamp on Data analytics through Excel and SQL. Speakers include 2 industry experts- Jasleen Sondhi, and Dhruv Patel	575
7.	26/01/2025	Brainstorm Bonanza- ConsultXp o 25	Online case competition in collaboration with Preplounge, the final presentation was judged by 2 Industry Experts – Tanya Aggarwal and Falit Sijariya	324
8.	8/02/2025	Consultants Gambit- ConsultXp o 25	First year event – Strategy Problem Solving	32
9.	08/02/2025	Crafting a winning pitch for funding- ConsultXp o 25	Offline guest lecture by Mr.Chandrashekar Kupperi	60

10.	9/02/2025	The Guesstimate Circuit-ConsultXpo 25	An estimation challenge conducted for NIT Trichy students under the banner	25
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Achievements

Sl. No.	Achievements	Details
1.	EY Scholarship 2024	Team Member Roshinipriya has been awarded the EY Scholarship along with an Internship Opportunity after submitting a winning idea
2.	3 rd Place – Dakshita Operations Case IIT M	3 Students from the 180 DC Team have emerged as the 2 nd Runner ups
3.	2 nd Place – Synergy Sustainability Case Case Competition	Keethiraja, a second year has emerged as the 1 st runner up
4.	National Finalist – CASE 180 SRCC	1 Team from 180 DC have been selected as National finalists
5.	National Finalist – ABInBev 100+	1 Team from 180 DC emerged as top 10 in national finals



Crafting a winning pitch for funding-ConsultXpo 25 (8/02/2025)



Consulting Crusade- First year flagship event (23/10/2025)

SIGMA – The Business Club

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	16.06.24	Short term project cycle (3 rd years)	A series of 6 short term projects were completed by the 3 rd years	Team
2.	29.08.24	The Brainstorm event	A Business event was organized for the 1 st years in collaboration with the Orientation team.	135
3.	16.09.24	Top1% Secrets webinar	A webinar hosted by Mr. Sandeep Gupta, founder of Top one Percent coaching having 27+ years of experience unlocking secrets of GRE/GMAT to crack IVY League and M7	278
4.	Thorough-out the year	Case competitions	The members of the club were constantly a part of multiple case competitions across the country	Team

5.	31.12.24	Collaboration with B club IITKGP	A collaboration with The Business club of IIT KGP for their flagship event ICC	Team
6.	01.01.25	ProNature - Client project	The ProNature client project – Supply chain optimization was completed and the club members were provided internship certificates	15
7.	15.02.25	Sigma Week	The club's 1 st ever flagship event was launched which consisted of a case competition, a risk or reward game and a flagship guest lecture by Mr. Balvinder Hanspal, a supply chain expert having 20+ years of experience in the field	200+
8.	21.02.25	Pragyan Open House exhibition	Collaborated with Pragyan and Scient to take part in Pragyan Open House exhibition showcasing the Club's projects and work throughout the year.	Team

Achievements

Sl. No.	Achievements	Details
1.	ZS Campus Beats 2024 – 3 rd Prize	A team consisting of 3 Sigma members – Tanishq, Madhumitha and Shamyatha had won 3 rd prize amongst 2000+ teams across the country winning a fully sponsored trip to ZS Pune office and exciting prizes
2.	HSBC Case competition – Regional Finalists	Regional finalist (South) of HSBC Case Competition – Madhumitha, Navya, Riya Singh
3.	Transfinitte – 1 st prize in case competition	2 teams consisting of Sigma team members – Varun, Sri Krishna and Madhumitha had won 1 st prize in the case competition organized in Transfinitte 2024
4.	Pragyan 2025 – Manigma 1 st Prize	A team from Sigma (Navya, Madhumitha and Riya Singh) had managed to win case prize worth 15K in The Ultimate Manager competition organized by Pragyan 2025.



(a) Sigma Week (15-16 Feb 2025)



(b) Guest lecture by Balvinder Hanspal (15 Feb 2025)

ProfNITT- Finance & Investment Club _ The Business Club

S No	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1	15-09-24	Fund Management	Students take up responsibility too pool funds to invest and manage portfolio in markets.	40
2	02-12-24	30 Days of Quant	Introduction to Quantitative Finance with 30 days of contents clubbed with workshops and certification exam.	450
3	23-12-24	RSI Screener	This Streamlit-based Forex trading tool analyzes RSI across multiple timeframes to identify buy & sell opportunities. It retrieves live data for 25+ currency pairs from Yahoo Finance and calculates RSI using a 14-period window.	10
4	01-02-25	IPO Breakout Strategy	This strategy uses data-driven breakout detection and machine learning to identify and assess IPO breakout patterns to help traders make informed decisions and automate IPO stock trading.	10
5	10-02-25	Project: 5 Min RSI	This project develops and tests an RSI-EMA trading strategy for XAU/USD using Backtesting.py. It identifies entry and exit points based on RSI and EMA conditions and evaluates different parameter to optimize profitability.	10
6	22-02-25	Open House	Presented all the projects in integrated in tools.profnitt.com and showcased it to all student and guests.	500

Achievements

Sl. No.	Achievements	Details
1	IQC 2024	Globally Ranked 1st among universities which participated in International Quant Championship by WorldQuant.



Pragyan - Open house
21st & 22nd Feb 2024



Worldquant IQC India Finals
24th June 2024



PSI Racing

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	24-08-2024	Orientation'24	The PSI Racing Team participated in Orientation '24 at NIT Trichy on 24th August, providing first-year students with an introduction to the engineering behind the M40 ATV. The session offered insights into the technical aspects of ATV design and manufacturing, aiming to inspire curiosity about automobile engineering and motorsports. This event served as an engaging platform to foster interest in the field and introduce students to the world of performance engineering.	1000+
2.	20-09-2024	Alumni Meet	The PSI Racing Team participated in the Alumni Meet on 20th September at Barn Hall, NIT Trichy. The session included an introduction to the club's activities, highlighting our journey and achievements. Additionally, a prototype ATV run was organized, offering an engaging and entertaining experience for the alumni, showcasing the team's expertise motorsports.	150+
3.	27-09-2024	Odyssey Run and RevQuiz(Festember)	The PSI Racing team successfully hosted the Odyssey Run and RevQuiz as part of the 50th edition of Festember, captivating the audience with a thrilling motorsports experience. The Odyssey Run showcased speed and precision on the track, while the RevQuiz engaged participants in an exciting test of motorsports knowledge. Held at the Barn Informal Stage on 27th September, the events drew enthusiastic participation and added a dynamic twist to the golden jubilee celebrations of Festember.	200
4.	23-10-2024	Techids 3.0(Pragyan)	The PSI Racing Team proudly participated in Techids 3.0, an event organized by the Pragyan Social Responsibility Team on October 23rd. This initiative provided an excellent platform for engaging with school students from across Trichy. During the event, we conducted interactive sessions and showcased an exhilarating ATV run, aiming to ignite curiosity and foster a passion for engineering and motorsports. Through these activities, we sought to inspire young minds and encourage them to explore the fields of science, technology, and innovation. This participation is a reflection of our ongoing commitment to empowering the next generation, supporting educational initiatives, and contributing to social causes that promote growth and positive change.	60

5.	11-01-2025 – 17-01-2025	National Road Safety Awareness week(Online Awareness Campaign)	PSI Racing, in collaboration with the Student's Council, celebrated Road Safety Week by launching an online awareness campaign through social media. The initiative aimed to educate students and the campus community on essential aspects of road safety. Informative posts were shared on topics such as road signs, traffic signals, the license registration process, car maintenance, and advanced safety features in vehicles. Through engaging content, the campaign successfully promoted responsible driving habits and the importance of road safety.	8000+ reach on posts.
6.	10-02-2025	E-Drive	PSI Racing signed an MoU with MyEquation to promote EV awareness on campus through E-DRIVE, a 45-day Industrial Training Program focused on hands-on learning and industry insights. The program offered hands-on EV training, industry certifications, and internship opportunities with top automotive brands. With 90+ registrations across all departments and years, E-DRIVE successfully fostered EV awareness and skill development on campus.	90
7.	06-03-2025 – 09-03-2025	AutoRhapsody'25	AutoRhapsody'25, organized by PSI Racing at NIT Trichy from March 6th to 9th, was a four-day annual workshop featuring hands-on learning and technical sessions. Day 1 covered the fundamentals of automobile subsystems, including powertrain, suspension, brakes, chassis, and data acquisition. Day 2 focused on CAD modeling with PTC Creo, followed by Day 3, which introduced CAE analysis using Ansys and electrical component design in TinkerCAD. The event concluded with an ATV showcase on Day 4, where PSI Racing's BAJA SAE ATV was demonstrated, alongside and hands-on component experience. With strong participation across all sessions, AutoRhapsody provided an engaging platform for students to gain practical automotive engineering skills.	250

Achievements

Sl. No.	Achievements	Details
1.	AIR-8 in Phase-I of eBAJA SAEINDIA 2025	In our maiden participation at eBAJA SAEINDIA 2025, PSI Racing achieved a remarkable milestone by finishing in the top 10% of teams in Phase-I! This outstanding feat showcases our team's dedication, innovation, and engineering excellence on a national stage, setting a strong foundation for even greater success ahead.



2.	AIR-8 in design event of Phase-II of eBAJA SAEINDIA 2025	In our maiden eBAJA SAEINDIA 2025 participation, PSI Racing achieved a phenomenal milestone—securing an impressive AIR-8 in the Phase-2 Design Event and finishing in the top 10% of teams, earning a finalist spot in the competition! This achievement is a testament to our engineering excellence, deep understanding of evolving EV market needs, and unwavering dedication.
3.	AIR-9 in overall Statics of BAJA SAEINDIA	In our very first year of building an electric ATV, PSI Racing delivered a stellar performance, securing AIR-9 in overall statics rankings at eBAJA 2025! This achievement reflects our team's dedication and technical excellence across multiple static events, including cost analysis, sales strategy, sustainability innovations, and design evaluation.
		
Alumni Meet- 20th September, 2024		AutoRhapsody'25 -6th march,2025-9th march,2025

ROBOTICS AND MACHINE INTELLIGENCE (RMI)

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	23.10.24	Techids	RMI organized the workshop in connection with Pragyan's Social Responsibility Team to inspire the local school students in Tiruchirappalli and illuminate them with the concept of differential drive robot.	70
2.	Jan '25 - Feb '25	Roboforge	An initiative in collaboration with Pragyan's S.P.A.M (Shared Projects And Mentorship) to help non-tech club students build an autonomous mobile robot under our support and guidance.	4
3.	21.02.25- 22.02.25	Openhouse Exhibition	An exhibition organized by Pragyan x Scient, where our projects JAGUAR, AURA, ROVIO, SLITHER and Edvisor are showcased to various investors, alumni, and school and college students.	1200
4.	12.03.25- 16.03.25	GENESIS	The annual workshop of the club on Maze-Terminator, aims to introduce the basics of robotics and teach them to build a maze-solving manipulator.	165

Achievements

Sl. No.	Achievements	Details
1	Project SLITHER secured 1st place in Sangam'25 in the industrial automation category and received prize money of Rs.30000	Sangam, ISO-certified Intra-Collegiate technical hackathon under Pragyan to challenge the participants with problem statements under various domains.
2	Project JAGUAR secured 2nd place in Sangam'25 in the defence category and received prize money of Rs.20000	Sangam, ISO-certified Intra-Collegiate technical hackathon under Pragyan to challenge the participants with problem statements under various domains.
3	Project S.L.I.T.H.E.R was the finalist of Robofest 4.0 under Application-based robot category and received prize money of Rs.50000 in Level I and Rs.200000 in Level II stages of the competition.	Robofest 4.0 is the national-level robotics competition conducted by Gujarat Council on Science and Technology(GUJCOST) under various categories.
4	Project A.U.R.A was the finalist of Robofest 4.0 under Swarm Robots category and received prize money of Rs.50000 in Level I and Rs.200000 in Level II stages of the competition.	Robofest 4.0 is the national-level robotics competition conducted by Gujarat Council on Science and Technology(GUJCOST) under various categories.
5	Project Medvisor received approval from Bharat Petroleum Corporation	Developing an Augmented Reality device meant to overlay necessary information about machinery over the FOV of the user.

	Limited (BPCL) for the investment in developing an AR device.	
6	<p>Filed a Patent on "Modular Multi-Terrain Hexapod Robot for Navigation and Exploration" (Application No: 202441017292) in March 2025.</p> <p>Applicant: Ezhilarasi D</p> <p>Inventors: Madhav R, P N Kalaimani, Rusheek B, Susmitha S, Vikash Sunkara</p>	<p>The invention belongs to the field of legged robotics specifically to a multi-terrain hexapod robot designed for easier navigation in uneven terrains and perform exploration tasks.</p>
 <p>Open House Exhibition (21 – 22 February 2025)</p>		 <p>Genesis '25: MAZE-TERMIND (12 – 16 March 2025)</p>

DESIGNERS' CONSORTIUM

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
8.	23/10/2024	Pragyan Techkids 3.0	Contributed to Pragyan's Techkids 3.0 by conducting a workshop for school students on the topic of product design, mechanics and electronics.	Around 100-120 students
9.	22/2/2025	Contrive, SPAM	Conducted a Campus development Product design challenge competition for BTech Students, where the winning team, "Contrive Rookies", were given a chance to fabricate with the help of our resources and guidance and presented their model in the Pragyan Open House.	24 teams, with a total of over 75 students.

Achievements

Sl. No.	Achievements	Details
1.	Winner: Smart India Hackathon 2024 Category: MedTech/HealthTech Prize Money: Rs. 1,00,000 Project: Echotono	A non-contact tonometry device to measure the IOP of the eye, made feasible and easy to use.
2.	Acceptance of Research papers at ICRoM Conference	This year 5 Research papers were accepted at the 12th International Conference on Robotics and Mechatronics, a well-recognized conference organised by the Robotics Society of Iran (RSI) with the support of the Academy of Sciences of IR Iran and related scientific societies, which can be accessed through IEEE.
3.	Runner up in Atomquest, conducted by Atomberg Technologies in IITM Shastra 2025.	Shared Runner-up prize for 2 teams from DC for a smart knob design, winning a cash prize of Rs. 60,000
4.	National Finalists for the Tech & Innovation Fair (TIF) 2025 at Shastra IITM.	We were 3 among the 13 teams from India who qualified as National Finalists for the Tech & Innovation Fair 2025 at Shastra IITM.
5.	Naviya Pre- Incubation Program by CEDI at NITT	2 teams (Echotono and Helping Hands) qualified as finalists for the Naviya Pre-Incubation Program by CEDI at NITT.
6.	First prize at TransfiNITte 2024	Won First prize in the Bosch Problem statement at TransfiNITte 2024, NIT Trichy, winning a cash prize of Rs. 30,000



Pragyan Techkids 3.0
23/10/2024



Contrive, SPAM.
22/2/2025

Spider R&D

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	4/07/24 to 30/12/24	Gym Registration Website	Spider hosts the official gym registration website where people get allocated techno gym slots	1000
2.	21/07/24	Sportsfete Website	Spider manages the website for Sportsfete, the inter-departmental sports fest, where we display the leaderboard as well as handling the marathon registration for the fest	1000
3.	01/12/24	CP WhatsApp Community	Spider created a WhatsApp Community to encourage the Competitive Programming culture within NITT	1000
4.	21/02/25 to 22/02/25	Spider x Scient Openhouse	We showcased all our ongoing club projects to various established personalities.	25
5.	21/02/25	GSOC Unveiled (Spider x Technical Council)	Spider and TC conducted a session to introduce beginners to open-source	25
6.	22/02/25	Code Venture (Spider x GeeksForGeeks x Pragyan)	We conducted a rated CP contest in association with GFG and Pragyan.	1000
7.	4/03/25 to 5/03/25	Algos Contest (Spider x WinNITT)	Spider and WinNITT conducted an algos workshop and contest to teach 1 st years CP fundamentals	50

Achievements

Sl. No.	Achievements	Details
1.	Spider Arm project was published at the 7th International Conference on Mechatronics, Robotics and Automation (ICMRA)	Spider Arm is a 6-degree-of-freedom (DOF) robotic arm with a reach of 0.7m and a payload of 0.5 kg. The arm features a novel double-ring load transfer mechanism at its base.
2.	Won Best Presenters Award at the IEEE ICMRA conference	The Spider Arm project also received the Best Presenters Award at the conference
3.	Special invite for Advances in Science, Technology and Engineering Systems Journal (ASTESJ)	Our Spider Arm project also got an exclusive invitation to publish a journal paper in the prestigious ASTESJ
4.	All India Rank 12 in the Amazon ML Challenge out of 75,000+ participants	Our team developed a machine learning model to extract entity values (e.g. dimensions, weight, voltage) from images, which is crucial for applications like e-commerce and healthcare
5.	3 rd Place in the Shaastra Appian AI Application Challenge among 1000+ teams	Our team developed a pipeline using LLaMA 3.2 11B vision-free model for text extraction, entity recognition, and data structuring, integrating Aadhaar verification, MongoDB storage, and a React-based UI for efficient document management
6.	3 rd place in IIT Bombay Techfest Meshmerize zonal competition	Our team developed a line-following robot capable of solving a maze using its memory

7.	Advanced to zonal qualifiers round for IIT Bombay's Cozmoclench competition	Our team developed a mobile robot with a gripper-based pick and place, and obstacle avoidance.
8.	Advanced to hardware stage for E-Yantra 2024 – 25 balancing builder robot securing an All-India-rank of 40 in pick and place traversal task.	Our team created a two-wheeled self-balancing robot that performs pick-and-place tasks
9.	Advanced to hardware stage for E-Yantra 2024 – 25 EcoMender robot securing an All-India-Rank of 8 in partial implementation of RISC-V CPU in FPGA and coding shortest distance algorithm in C.	Our team created a bot using an FPGA board that can traverse a given map and detect any changes in the environment at each node.
10.	Haptics robot cleared SIH Internal hackathon in college	Haptics robot involves developing distributed encounter Haptics-based skill training simulation (e.g. Pilot training, Military training) using VR Gear, Haptic Bots, and Force Sensing Resistors (FSR)
11.	ProsthetiX robot cleared SIH Internal hackathon in college	ProsthetiX is a cost-effective and lightweight myoelectric prosthetic hand with Haptic feedback.
12.	Rank 4 in ACM-ICPC Chennai Regionals	Team IcyPeasy achieved rank 4 among 105 teams
13.	Rank 5 in IIT-Madras Shaastra CP Potporri Contest	CP Potporri is a coding contest with a variety of events such as Codegolf, Debug the Code etc
14.	Rank 16 in ACM-ICPC Asia West Finals	Team IcyPeasy achieved rank 16 among competitors from various countries
15.	Winner of the Transfinitte Hackathon for the Tezos Problem Statement	Team Peace Peace created a blockchain-based ticketing system, which uses NFTs. Features such as KYC Verification Ticket Reselling were implemented.
16.	Winner of the Transfinitte Hackathon for the Croma Problem Statement	Team Matrix Weavers created a LLM-based RAG Model for collecting competitor store data and displaying information using user-friendly dashboards.
17.	DDOS Classification tool cleared SIH internal hackathon in college	The DDOS classification tool uses transfer learning to detect whether a DDOS attack is occurring for a particular website



(a) Spider x Scient Openhouse (22/02/25)

(b) 3rd Place at IIT Bombay Techfest Zonals (26/10/2024)

THIRD DIMENSION AEROMODELLING CLUB

Sl. No	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	05/09/2024	MathWorks Minidrone Competition	The MathWorks Minidrone Competition introduces participants to Model-Based Design using Simulink. Teams develop autonomous minidrone line-following algorithms, starting with simulation and advancing to hardware deployment on Parrot Mambo drones. This competition enhances skills in modeling, simulation, and control systems, reflecting real-world engineering challenges.	4
2.	13/09/2024	Smart India Hackathon	Two teams participated in the Hardware domain of SIH 2024. <i>Aero Vision</i> : Developed a cage-protected drone capable of detecting cracks in industrial pipelines. <i>Phantom Works</i> : Worked on lattice-based structures for aircraft components to enhance strength, reduce weight, and improve heat transfer.	8
3.	02/10/2024	Aeroinvent' 25	Conducted from August to November 2024, aimed at strengthening the foundational skills of incoming inductees through the design of an RC Aircraft from scratch, covering brainstorming, conceptual design, analysis, presentations, hands-on fabrication sessions, and piloting tests.	26
4.	14/11/2024	Aerothon 2024	SAEINDIA's AeroTHON 2024 is a prestigious competition focused on the design, building, and flying of Uncrewed Aircraft Systems (UAS). A 10-member team designed and built a 2 kg autonomous quadcopter using carbon fiber composites and Thermoplastic Polyurethane (TPU). The drone featured path planning and navigation and could deliver a 200-gram payload.	10
5.	23/11/2024	Eyantra robotics Competition	Eyantra robotics competition is held by IIT Bombay for robotics aspirants. Our teams participated in Eco Mender Bot and Warehouse drone themes.	10
6.	15/01/2025	ISRO Inspace model rocketry competition	In the IN-Space CANSAT India Student Competition 2024, a team designed a 1.8-meter rocket equipped with a CANSAT to measure pollutants at various altitudes. After submitting a Comprehensive Design Report (CDR), they advanced to the finals, ranking among the top 55 teams nationwide.	08
7.	23/01/2025	Robofest 4.0	Participated in Robofest 4.0, a national-level competition organized by GUJCOST, in the domains of self-balancing bots and swarm drones. Their involvement encompassed stages from proof-of-concept submissions to final presentations of fully functional robots.	08
8.	26/01/2025	Boeing Aeromodelling	Participated in the South Zone competition held at IIT-Madras, securing cash rewards and recognition for designing fixed-wing UAVs	8

		Competition – Shastra IITM	meeting given constraints, showcasing technical skills and innovation.	
9.	22/02/2025	Sangam hardware hackathon	At Sangam, Pragyan's flagship hardware hackathon, presented a VTOL named Aero Hawk was presented for defense payload delivery under defense domain, and the Hawk Cage drone was presented in industrial automation domain for pipeline failure detection.	12
10.	01/03/2025	Propulso	Collaborative workshop with Nakshatra, focusing on teaching rocketry basics using Open Rocket software for first-year students as part of the "Stardust" program.	65
11.	13/03/2025	Aerotrix'25	A four-day workshop introduced first-year students to UAVs, image processing, aerodynamics, and tools like XFLR5 and MATLAB. Included hands-on sessions on Pursuitron bot and glider fabrication.	135
12.	29/03/2025	SR program – ARISE	Social responsibility initiative teaching aeromodelling and robotics to school students.	10

Achievements

Sl. No.	Achievements	Details
1.	Finalists in SAE Aerothon 2024.	Participated in the finals of SAE Aerothon 2024 as one among the top 20 teams in India.
2.	Finalists in Robofest 4.0	Cleared the Proof-of-Concept round and proceeded to finals as one among top 10 teams in the country
3.	Winner – Defence domain Sangam 2025 Runner – Industrial Automation – Sangam 2025	Aero Hawk – VTOL won first prize and Hawk Cage drone won the second place in industrial automation domain.



SAE Aerothon 2024
14/11/2024



Robofest 4.0
23/01/2025

NAKSHATRA - The Astronomy and Science Club

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	23.08.24	Guest Lecture – National Space Day (NSD)	Smt. S. Sweet Annie, Division Head of MET and TCT-I at ISRO Propulsion Complex in Mahendragiri shared insights into the remarkable journey of Chandrayaan-3, its triumphs, challenges and the relentless dedication of the scientists and engineers who brought the mission to life.	100
2.	23.08.24	Student Lecture – NSD	Journey of Chandrayan 3 – payload, trajectory and techniques were briefed.	100
3.	23.08.24	Student Lecture – NSD	Ground based observatories in India – Pivotal astronomical observatories and their significance in research were briefed	100
4.	15.08.24	Ideation Challenge – NSD	School students of classes 8 – 12 were tasked to ideate prospective space technologies for Space exploration, Rocketry, and Space based observatories	35+
5.	15.08.24	Painting Contest – NSD	School students of classes 8 – 12 were tasked to paint on the theme "Success of Chandrayan – 3"	60+
6.	15.08.24	Creative Writing – NSD	School students of classes 8 – 12 were tasked to write a daily log of an astronaut in space	30+
7.	16.10.24	Astrolytica Quiz – World Space week (WSW)	Two rounds of quiz based on astronomy, and space science were held	30
8.	15.10.24	Trajectron Workshop – WSW	Fundamentals of orbital mechanics and simulated for orbital parameters on MATLAB and Python	25
9.	16.10.24	Starstruck Student Lecture – WSW	Structure and evolution of stars were discussed with significant physics details	20
10.	04.10.24	Guest Lecture – WSW	Dr. Alikhan Basheer from the Indian Institute of Astrophysics spoke on the topic "India's contribution to the Thirty-meter telescope project"	35
11.	23.10.24	Techids' 24 (A Pragyan initiative)	Govt. school students were briefed about some of the basic telescope operations.	110
12.	21.01.25	Celestial Syzygy (Planetary Observation Session)	Organized an observation session to witness a rare parade of planets.	120
13.	21.02.25 & 22.02.25	SCIEnT x Pragyan x Nakshatra Open House	Technical Expo in which our stall featured three telescopes, including two custom-built by our team, alongside hardware showcases like our rover project, astronomy magazine, astronomical	400

			pictures taken by our CMOS camera and software-based simulations.	
14.	26.02.25	Movie Screening – Stardust '25	Streamed Interstellar movie in Barn Hall as a pre-fest event during Stardust'25	550
15.	27.02.25	Guest Lecture – Stardust '25	Dr. Biman B. Nath from the Raman Research Institute spoke on the topic "The Multicoloured Universe"	35
16.	28.02.25	Guest Lecture – Stardust '25	Dr. K G Arun from the Chennai Mathematical Institute spoke on the topic "A Tale of two Transients (GW and GRB)"	40
17.	01.03.25	Guest Lecture – Stardust '25	Dr. Vishnu Viswanathan (NITT – ECE' 2011 batch) spoke on the topic "Forging Unconventional Paths in Space Science")	25
18.	01.03.25	Propulso (Workshop) – Stardust '25	Organized a workshop on fundamentals of Rocket science	30
19.	01.03.25	Guest Lecture – Stardust '25	Dr. Manjari Bagchi from the Institute of Mathematical sciences spoke on the topic "Neutron stars – Natural Labs for Fundamental Physics"	30
20.	01.03.25	Astrocrypt Workshop – Stardust '25	Organized a workshop on introduction to Astropy (a python library) detailing its important sub -packages and functions	15
21.	02.03.25	Exo-Quizzite Quiz – Stardust '25	Several rounds of challenging questions based on astronomy, physics and history were organized.	15
22.	02.03.25	Guest lecture – Stardust'25	Dr. R R Elangovan, former ISRO scientist, spoke on the topic "ISRO 100 – The Journey through India's Space Milestones"	30

Achievements

Sl. No.	Achievements	Details
1.	Secured Third Place in Hyperion '24	Hyperion is an astrophysics-based online case study competition conducted by IIT – Kanpur
2.	Qualified for the Stage-II in E-Yantra	E-Yantra is a hardware hackathon organized by IIT – Bombay and we participated in the Balancing Bot contest
3.	Four of our teams qualified for the final round in Hyperion '25	Hyperion '25 was organized in two rounds and all four of our teams qualified for the finals. (Final round results are yet to be released)



National Space Day '24 (23.08.24)



Propulso Workshop (01.03.25)

Delta Force

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	28/08/2024	AR Hunt	An Android-based, AR treasure hunt which allows freshers to explore the campus through clues and AR objects, held during Orientation '24.	100
2.	23/10/2024	PSR Workshop	Game Development Workshop using Scratch (a visual programming language) for 9 th , 10 th school students conducted as a part of Pragyan Social Responsibility Event.	120
3.	08/01/2025 – 20/04/2025	Delta Winter of Code	An open-source development program offering mentorship and real-world project experience.	200
4.	06/02/2025 – 13/02/2025	Code Character	An online turn-based, strategy programming game where players battle against opponent's base and troops with code, held as a part of Pragyan '25.	120
5.	07/02/2025 – 09/02/2025	Pragyan Capture the Flag	An online cybersecurity competition where contestants find and exploit vulnerabilities to capture hidden "flags", held as a part of Pragyan '25.	960
6.	15/02/2025 – 19/02/2025	Arcadia: Rivals	An online real-time interactive multiplayer strategy game where players commanded minicons in tactical battles against an AI bot, held as a part of Pragyan '25.	181
7.	18/02/2025 – 21/02/2025	Attack on Robots	An online multiplayer resource management game focused on strategic city planning, defense, and real-time attacks, held as a part of Pragyan '25.	250
8.	19/02/2025 – 22/02/2025	Superhero Callcenter	An online real-time crime-solving game which allows players to deploy heroes, save the city against the clock, held as a part of Pragyan '25.	315
9.	22/02/2025 – 24/02/2025	Terrabound	An online multiplayer strategic war game where players build an empire and conquer the battlefield, held as a part of Pragyan '25.	192
10.	07/03/2025 – 08/03/2025	Web Development Workshop	Web development workshop conducted during Vortex '25.	135

Achievements

Sl. No.	Achievements	Details
1.	ICPC Regionalist	Competed onsite at the ICPC Kanpur and Amritapuri Regionals.
2.	TransfiNITte '24 Hackathon Winner	Won first place at TransfiNITte '24, NIT Trichy's premier hackathon.
3.	Pragyan Hackathon – 3 rd place	Secured third place in Pragyan's Hackathon 2025, focused on Construction Tech, FinTech, and GenAI.



ICPC Amritapuri Regionals,
07/03/2025



PSR Workshop, 23/10/2024

Builders' Hive

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	31/05/2024	Guest Lecture	Dr. C.S. Manohar, faculty from IISc Bangalore, delivered a guest lecture on the topic 'Combining Computational and Experimental Methods in Structural Dynamics'.	35
2.	29/06/2024	Workshop	An online STAAD Pro workshop was conducted for students of NITT and other local colleges in Trichy, in collaboration with the Architecture Students' Association.	60
3.	10/08/2024	Collaboration	The club members collaborated with Force Hyperloop's Infrastructure team.	4
4.	21/08/2024	Structural Auditing	The club members conducted a structural audit of the departmental buildings on the NITT campus.	7
5.	11/09/2024	Guest Lecture	A guest lecture on 'Underground Metro Station Construction by the Diaphragm Wall Method' was delivered by SK Sampath, a distinguished NIT Trichy alumnus (Batch of 1968-1974) and Joint General Manager (Retd.) in L&T.	110
6.	14/09/2024	Guest Lecture	A guest lecture on 'Concrete Repair and Rehabilitation' was delivered by Er. D. Ravi, Director of Marketing at Techny Chemy and a member of CEDI-NITT.	50
7.	26/11/2024	Membership Drive (Inductions)	A membership drive was conducted and was open for all years (including PG) of Civil Engineering Department.	32
8.	06/01/2025	Project	Development of mode shift and quality of Service models for women passengers in the bus rapid transit system: A case study of Indore using ANN and SVM ML models. Faculty Mentor: Dr.Marisamynathan S Members: Siva Saravanan (103122094), Jidge Sanath Kumar (103122040), Katyayini (103122039), Roshan Bhaskar (103123031), Rahul (103123069).	5
9.	15/03/2025	Site Visit	An expert-guided site visit to Srirangam was planned in collaboration with Sriman Trust.	55

10.	15/03/2025	Participation in BIS National level online quiz	Angith S (103122010), Tejeshwar Rao (103122076), Mahendra Singh (103122056) attended the BIS National level online quiz.	3
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Achievements

Sl. No.	Achievements	Details
1.	1 st place in Innoquest, GHC 2025	As part of Force Hyperloop, our team secured 1 st place in the Hyperloop Innoquest, conducted at IIT Madras. Our project focused on 'Addressing Route Implementation for the Hyperloop Network,' where we identified feasible routes by tackling topological and technical challenges. Angith S (103122010), Esta Hanna (103122033), Katyayini (103122039), JL Sriniketh (103121048)
2.	Best Master thesis and Best PhD thesis at ICI Trichy Centre – Ultratech Awards 2025	As a part of ICI Trichy Centre- Ultratech Awards 2025, Mavoori Hitesh Kumar secured the Best PhD thesis and Jallu Sriharsha, Nadeem Iqbal, Sushil Kumar and Ashok Kumar for Best Master thesis.



GL delivered by SK Sampath (11/09/2024)



ICI Trichy Centre-Ultratech Awards (23/01/2025)

Material Advantage Student Chapter NIT Trichy

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	10/10/24	Introductory Meeting	A meeting with juniors planned especially for the pre-final years to educate them about abroad research internships and GATE exam based opportunities	22
2.	21/10/24	Directions: Alumni Guest Lecture Series	A guest lecture featuring our esteemed alumnus, Sudharsan Sundar, a PhD student at Chimie ParisTech on the topic – Surfaces: A manifestation of chaos	38
3.	27/11/24	World Steel Challenge - 19	As part of the world steel challenge, 19 students participated in the event and most of them finished in the top 50 regions worldwide.	19
4.	05/02/25	First Meeting	An introductory meet post junior inductions, focusing on the preparation for research internships and training	15

Achievements

Sl. No.	Achievements	Details
1.	President's Council of Student Advisors' Annual Business Meeting and Delegation (PCSA ABM)	One of our student member, Ms. Siva Bhagya S E was selected to be a delegate within the PCSA ABM of American Ceramic Society as one among just 52 candidates selected worldwide.
2.	AIST Real Steel Video Challenge	Our student members, Dhanush and Siva Bhagya got qualified to the final round of this video making contest
3.	NIMS Japan Internship Program	Our student member Ms. Siva Bhagya S E was awarded with the prestigious National Institute of Technology (NIMS) Japan Internship Program opportunity

CLUB ACTIVITIES 2024 – CULTURAL CLUBS

Music Troupe

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	19/08/24	Orientation performance	The Music troupe performed a one hour long show exclusively for the freshers on campus.	20
2.	12/09/24	Raag n Riff	Music troupe conducted an open mic competition exclusively for the freshers to unleash their musical talent.	15 from the Club 40+ freshers
3.	26/09/24	Festember day zero performance	Music troupe performed in Festember's day zero pro show in the barn hall which was a successful event and made the crowd to dance, vibe and enjoy.	15
4.	19/10/24	Archult performance	Music troupe performed in the annual symposium of the Architecture department.	11
5.	26/10/24	Culfie performance	Music troupe performed in Culfie, annual festival conducted by the cultural council.	12
6.	17/11/24	RECAL Bangalore chapter performance	Music troupe performed in the 20 th anniversary of RECAL Bangalore's chapter.	4
7.	12/12/24	SEC Conference performance	Music troupe performed in the 14 th SEC conference held by the Civil department in the GJ hall.	6
8.	11/01/25	Saarang IIT Madras band competition	Music troupe participated in the western and eastern band competitions held by IIT Madras.	16
9.	02/02/25	Dhruva IIM Trichy band competition	Music troupe participated in the band competition held by IIM Trichy.	7
10.	22/02/25	Riviera VIT Vellore band competition	Music troupe participated in the band competition held by VIT Vellore.	14

Achievements

Sl. No.	Achievements	Details
1.	2 nd Prize in Dhruva IIM Trichy band competition	Music troupe participated in the band competition held by IIM Trichy and won the second position among all the bands that competed.
2.	2 nd Prize in Riviera band competition	Music troupe participated in the band competition held by VIT Vellore and won the second position in the Eastern section among all the bands that competed.
3.	1 st prize in Eastern solo competition in Riviera'25	Yadhu B from the Music troupe secured 1 st position in the eastern solo singing competition conducted by VIT Vellore
4.	2 nd prize in Classical singing competition, Riviera'25	Shreeram R from the Music troupe secured 2 nd position in the classical solo singing competition conducted by VIT Vellore



Music troupe members along with Assistant Professor Dr. R Raghavan after the performance in the 14 annual Structural engineering conference. Date : 12th december, 2024



Music troupe members performing in Bangalore at the 20th anniversary of RECAL Bangalore chapter. Date: 17th November, 2024

Dance Troupe

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	21.08.24	Orientation	As part of the Orientation, the Dance Troupe performed in both Eastern and Western styles, along with solos, duets, and small group acts by team members, making it a 1 hour 30-minute show in total.	Team Members
2.	26.09.24	Festember, Day 0	As part of the 50th-year celebrations of Festember, the Dance Troupe presented a proshow on Day 0 of the fest. The performance consisted of their routine, in both eastern and western styles.	Team Members
3.	19.10.24	Archcult Proshow	As part of Archcult, the Dance Troupe presented a newly choreographed routine designed for entertainment along with solo and duet acts by its members making a 1-hour show.	Team Members
4.	20.10.24	Archcult-Salsa Workshop	Dance Troupe organized a salsa workshop in collaboration with Archcult, teaching fundamental techniques, partner work, and musicality in an interactive session.	60
5.	04.01.25	Global Alumni meet (GAM)	The Western team of the Dance Troupe presented a full routine, accompanied by solo and duet performances making 30- minute show	Western Team Members
6.	18.01.25	UNDER25	As part of Festember's collaboration with Under 25, the Eastern Dance Troupe members performed a full routine, showcasing their choreography	Eastern Team members

7.	26.01.25	Inter NIT- Day 0	As part of the Inter NIT inauguration, the Eastern team of the Dance Troupe presented a performance in collaboration with sports council.	Eastern Team members
8.	08.01.25 to 26.02.25	Inductions and workshop	The induction of new members from the incoming batch included three evaluation rounds. As part of the process, a workshop was conducted for first-year students	Team members
9.	06.04.25 (tentative)	Dance Workshop (Upcoming)	A dance workshop is scheduled for students of all years and batches focusing on fundamental techniques and choreography.	Western Team Members
10.	13.04.25 (tentative)	ZEST (Upcoming)	An event featuring a competition among dt second-year students, including new inductees, along with a routine showcase by the Dance Troupe.	DT 1 st and 2 nd year Team members
11.	20.04.25 (tentative)	CRESENDO (Upcoming)	A collaborative event with Music Troupe, Thespian Society	Team Members

Achievements

Sl. No.	Achievements	Details
1.	Nritya- JEC, Thrissur	On 03.10.24, the Western team of the Dance Troupe participated in a competition conducted by Jyoti Engineering College, Thrissur.
2.	Saarang- IIT Madras	The Western team of the Dance Troupe participated in the dance competition at Saarang 2025, held on 10 th January at IIT Madras.
3.	Dhruva- IIM Trichy	The Eastern and Western teams of the Dance Troupe participated in the dance competition at Dhruva 2025, the annual cultural fest of IIM Trichy on 1 st February. Won 2 nd place in solo competition.
4.	Unmaad- IIM Bangalore	The Eastern and Western teams of the Dance Troupe participated in the dance competitions at Unmaad, the annual cultural festival of IIM Bangalore on 20 th and 22 nd February 2025.
5.	World Dance Cup (WDC)	For the World Dance Cup prelims, the Eastern and Western teams of the Dance Troupe submitted their performances through an online video selection process.
6.	SASTRA (Upcoming)	The Eastern team of the Dance Troupe will participate in the dance competition at Sastra University on 05.04.2025 (tentative date)



Footloose, IIM Bangalore Competition (21 August 2024)



Orientation Performance (21 August 2024)

Lakshya

Sl. No	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	23rd October, 2024	BCA Awareness Walk	In memory of ex-cadet Sergeant Anjali Anil, we successfully organized an awareness walk for breast cancer, to pay homage to all who succumbed to breast cancer.	102
2.	25th October, 2024	BCA Free Thermogram Test	We conducted free thermogram tests at NITT Hospital for early detection of breast cancer and awareness regarding the same.	254
3.	27th October, 2024	BCA Panel discussion with Dr. Anis	A panel discussion was hosted by renowned oncologist Dr. B. Anis along with breast cancer survivors to spread hope and strength.	98
4.	14th January, 2025	Veterans Day	We organized a guest lecture chaired by Hon. Capt. Annadurai to commemorate the sacrifices of numerous who laid down their lives for our nation.	85
5.	25th February, 2025	Lakshya Cloth Donation drive	We collected hand-me down clothes from NITT community to be donated among children in orphanages.	523
6.	10 th and 11 th March, 2025	Lakshya Movie Screening	We screened two patriotic movies on consecutive days – Amaran and Shershaah to inculcate motives of patriotism and pride among the student community.	196
7.	14th March, 2025	Lakshya Panel Discussion: Retd. Maj Gen. NRK Babu	We invited Retd. Maj Gen. NRK Babu, Col. Vijayakumar and Wing Commander Subhash to exchange thoughts on global issues and defence.	78
8.	15 th & 16 th March 2025	Lakshya Informals: Rifle Shooting, Drone simulation and Archery	Students and staff visited our deck to get on-hands experience with rifles and bows.	423
9.	15 th & 16 th March 2025	Lakshya Workshops: Rifle Dismantling, Parkour, Silambam	Informative sessions on weapon handling and martial arts were conducted.	321
10.	15 th & 16 th March 2025	Lakshya Events: Maza Run, Chakravyuh, King of Clubs, Question Mark, Unity voyage	Interesting events in trend with the theme were conducted with zeal and enthusiasm.	150



Breast Cancer Awareness Programme



Rifle shooting

Tamil Mandram

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	27.09.2024	Tamil Lits	Organised 6+ events for Festember Tamil Clusters	Over 300
2.	06.10.2024	Gala for Kids	Events for Government School Students	Over 150
3.	19.10.2024, 20.10.2024	Vidhai	Intra-College Tamil Competition	Over 50
4.	25.10.2024 - 27.10.2024	Tamil Classes	Tamil Classes for Other Language Students and Faculties	Over 150
5.	25.01.2025	Pongal Thiruvizha	Event for showcasing Tamil Culture and Pongal Celebrations	Over 2500
6.	17.01.2025	Tamil Lits	7 Events for NITTFEST Tamil Clusters	Over 100

Achievements

Sl. No.	Achievements	Details
1.	Winner - 3 rd Prize	Tamil Quiz organized by the Directorate of Public Library
2.	Winner- 1 st & 2 nd Prize	Muththamizh Vizha – Inter-college competition organised by GCT Coimbatore
3.	Participation	Sol Thamizha Sol – State Level Tamil Speech competition
4.	Participation	Story Writing Competition organized by Jamal Mohamed College Trichy
5.	Participation	Speech Competition organized by Jamal Mohamed College Trichy
6.	Participation	Speech Competition organized by Tiruchirappalli District Chamber of Commerce



Tamil Class, 25.10.2024



Pongal, 25.01.2025

Spic Macay

Sl. No	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	23/08/2024	Bharatanatyam Recital by Vidwan Shijith Nambiar and Vidushi Parvathy Menon	SPIC MACAY NIT Trichy Chapter hosted a Bharatanatyam Recital by Vidwan Shijith Nambiar and Vidushi Parvathy Menon in collaboration with Orientation 2024 for first year B.Tech and B.Arch students. The duo are an alumnus of Kalakshetra and are recipients of the Ustad Bismillah Khan Yuva Puraskar awarded by the Sangeet Natak Akademy.	1200
2.	26/10/2024	Carnatic Violin Recital by Sangita Kalanidhi Lalgudi GJR Krishnan and Sangita Kalanidhi Lalgudi Vijayalakshmi	SPIC MACAY NIT Trichy Chapter hosted a Carnatic Violin Recital by Sangita Kalanidhi Lalgudi GJR Krishnan and Sangita Kalanidhi Lalgudi Vijayalakshmi. The siblings duo performed on the occasion of Culfie – the cultural fiesta hosted by NIT Tiruchirappalli.	100
3.	31/01/2025	Therukoothu by Padma Shri Kalaimaamani PK Sambandan and troupe	This event was hosted for 500+ school students visiting NIT Tiruchirappalli from the Trichy and Thanjavur districts of Tamil Nadu. Therukoothu is a theatre artform from Tamil Nadu that combines elements of music and dance.	500
4.	07/02/2025 to 08/02/2025	Chittara Art Workshop by Shri Ishwar Naik	Chittara is a folk painting artform from the Sagara region of Karnataka. Shri Ishwar Naik guided the students in a hands-on session where the students learnt elements of Chittara painting and actively participated in the same.	100





Carnatic Violin by Sangita Kalanidhi Lalgudi GJR Krishnan and Sangita Kalanidhi Lalgudi Vijayalakshmi accompanied by Shri B Harikumar on the mridangam and Shri Alathur Rajaganesh on the kanjira. Culfie Inauguration 2024 – 26.10.2024



Bharatanatyam by Vid Shijith Nambiar and Vid Parvathy Menon Barn Hall – Orientation 2024 – 23/08/2024

Balls by Picasso

Sl. No.	Date	Event/ Activities	Initiatives/	Description	No. of Participants
1.	16/06/24 – 14/07/24	The Peninsular Odyssey		An online quiz fest in collaboration with NITW, NITC, and NITK	300
2.	26/08/24	BBP X Orientation Potpourri		A potpourri event for the first years in collaboration with Orientation '24	50
3.	5/9/24 – 7/9/24	Straight Outta School		Flagship event for the freshers	70
4.	27/9/24 – 29/9/24	BBP X Festember E- lits cluster		10 events as a part of the Festember English Lits Cluster	300
5.	8/10/24	Booksmaxxing		Literature themed General Quiz	30
6.	18/10/24	BBP X ArchCult Arch Tuah Quiz		An architecture themed quiz in collaboration with ArchCult	50
7.	21/10/24 – 24/10/24	Odd Semester Litweek		BBP Flagship event over four days, with events like Gen Quiz, SciBizTech Quiz, Extempore, WTGW, JAM	80
8.	27/10/24	BBP X Culfie Stalls By Picasso		Informal game stall set up for the Cultural Council's Culfie event	50
9.	04/11/24	Power, Corruption and Lies Quiz		A word games cum quiz weekly set	40
10.	21/01/25	Lone wolf in Sheep's Clothing		Weekly quiz set	40
11.	29/01/25	The Horns of Judgment Day		Weekly Quiz set	40
12.	5/02/25	A Proctored Gambling set		Weekly Potpourri Set	30
13.	7/02/25	BBP X Aaveg JAM		JAM event for the freshers as a part of Aaveg	30
14.	14/02/25	A Ball-entine's Set-up		Weekly Scrabble and JAM event	30
15.	21/02/25	Pragyan Main Quiz, Pragyan Puzzle Champ		Two events in collaboration with Pragyan	100
16.	25/02/25	BBP X Lexicon Pounce and Pouncability		A literature quiz in collaboration with the DoHSS for Lexicon 2025	40
17.	25/02/25	Quiz workshop for school students		Conducted a quizzing workshop for students of grades 6-8 at Santhanam Vidyalaya in Trichy	250
18.	27/02/25	BBP X Aaveg SpEnt Quiz		Sports and Entertainment Quiz in collaboration with Aaveg	30
19.	02/03/25	BBP X Nakshatra Exo-Quizzite Quiz		An astronomy-themed quiz in collaboration with Nakshatra	30
20.	06/03/25	Until our paths Crossie again		Weekly cryptic crossword event	40
21.	07/03/25	BBP X Aaveg General Quiz		A General Quiz in collaboration with Aaveg	40
22.	08/03/25	BBP X Vortex QuizBits		A tech quiz in collaboration with Vortex, the CSE Department Symposium	70
23.	09/03/25	BBP X Aaveg Extempore, Debate, WTGW		Speaking and word game events in collaboration with Aaveg	40
24.	13/03/25	Good Words		A weekly WTGW event	50

Achievements		
Sl. No.	Achievements	Details
1.	3 rd Place – General Major Quiz	Under the Peepal Tree at RVCE, Bangalore
2.	NICE Cryptic Crossword Nationals	Two participants qualified for the Nationals of NICE Cryptic
3.	1 st Place – Major HELM Quiz 3 rd Place – SpEnt Quiz	Quiz Fest at IIT Bombay
4.	2 nd , 3 rd Prize in the Fandom Quiz 3 rd in the Sports Quiz 2 nd in Informal Debate 1 st in Shipwreck 1 st in Turncoat Debate 2 nd , 3 rd in Parliamentary Debate 1 st , 2 nd , 3 rd in Cryptic Crossword 1 st , 2 nd , 3 rd in Scrabble 1 st , 2 nd , 3 rd in JAM 3 rd in Dumb Charades 2 nd , 3 rd in Potpourri 1 st , 2 nd in Major Medical Quiz Finalists in the Major Open Quiz Best College Team in the Major Open Quiz	Spandan at JIPMER College, Pondicherry
5.	1 st Place – SciBizTech Quiz 2 nd Place – MELA Quiz	PhaseShift at BMSCE College, Bangalore
6.	3 rd Place – Business Quiz 2 nd Place – General Quiz	Intuit at CIT, Coimbatore
7.	2 nd Place – Scrabble 2 nd Place – WTGW 3 rd Place – Potpourri 1 st Place – Sports Quiz 2 nd Place – TLC Quiz 2 nd , 3 rd Place – MELA Quiz 1 st , 2 nd Place – JAM	Saarang at IIT Madras
8.	Best Quizzer Award	Quizocalypse at Rajalakshmi Engineering College, Chennai
9.	1 st , 2 nd Place – SLICE Quiz 1 st , 3 rd Place – Gen Quiz	Prashna at Amrita Vishwa Vidyapeetham, Ettimadai
10.	1 st Place – Gen Quiz	Veni Vidi Vici 3.0 at Loyola College, Chennai
11.	Best College Team – Open Gen Quiz 3 rd Place – Open JAM	Unmaad at IIM, Bangalore
12.	2 nd Place – Major Numbers' Quiz	CUIZ at Christ University, Bangalore
13.	1 st Place – Open Gen Quiz 1 st Place – Major Gen Quiz	Pravega at IISc, Bangalore
14.	3 rd Place – Open Arts Quiz	KQA at Bangalore
15.	1 st , 3 rd Place – Major SciBizTech Quiz	Pragyan at NITT
16.	2 nd in SpEnt Quiz 2 nd , 3 rd in Golden Jubilee Quiz 1 st , 3 rd in Extempore	Festember at NITT
 <p>Quiz Workshop for school students at Santhanam Vidyalyaya, Trichy (25/02/25)</p>		 <p>Festember '24 Lone Wolf Quiz (29/09/25)</p>

Fine Arts Society

Sl. No.	Date	Event/ Activities	Initiatives/	Description	No. of Participants
1	Aug 15 th , 2024	Portrait Sketching Competition		A competition where participants showcased their portrait sketching skills in honor of Independence Day.	25
2	October 27 th , 2024	Sculpting Workshop		A hands-on workshop where participants learned basic and advanced sculpting techniques.	30
3	October , 2024	Inktober Prompt Art		Participants created daily ink-based artworks based on Inktober prompts.	50
4	Sep - Oct	Wall Painting (Registrar's office Staircase Mid-landing)		A collaborative effort to enhance the aesthetics of the admin block with creative wall painting.	15
5	Jan 11 th and 12 th , 2025	IIT Madras Saarang Art Competition		Club members participated in the prestigious IIT Madras Saarang Art Competition.	4
6	March 2025	Dean's Office Wall Painting		Artistic wall painting project completed at the Dean's office.	12
7	March 16 th , 2025	Canvas Painting Workshop		A workshop on canvas painting techniques for beginners.	20

Achievements

Sl. No.	Achievements	Details
1	Special mention in IIT Madras cultural fest Saarang for Canvas painting competition.	Club members represented the institution at this prestigious event.
2	Successful completion of public space artwork	Murals and paintings in the Register Office and Dean's office received appreciation.
3	Engagement in Inktober Challenge	Participants successfully completed the 31-day art challenge.



Sculpture workshop on Oct 27th, 2024



Canvas Painting workshop on March 18th, 2025

FILM SOCIETY OF NITT

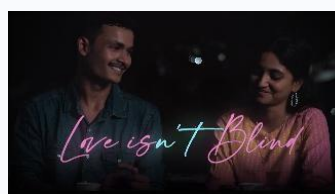
Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	17/08/2024	FSOC x Oreientation Movie Screening	The first collaborative movie screening of the semester took place at Barn Hall, where we screened the movie Fall Guy.	8
2.	05/09/2024 - 22/01/2024	"Love Isn't Blind" Short Film Production & Release	Produced and shot the socially responsible short film in collaboration with Pixelbug.	10
3.	27/10/2024	CULFLIX (FSOC x Cultural Council Movie Screening)	A grand movie screening event was held at multiple venues, including Barn Hall, the EEE Auditorium, and A12 Hall. CULFLIX was a major highlight of CULFIE '24.	15
4.	28/01/2025	"Nin Seyal" Short Film	Commencing the shooting of the visionary project "Nin Seyal" after intensive auditions and pre production works.	12
5.	26/02/2025	FSOC x Nakshatra Movie Screening (Stardust'25)	Day 0 event of Stardust'25, the collaborative movie screening took place at Barn Hall, where we screened the "Interstellar".	8

Achievements

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Stardust'25



Love Isn't Blind

Akshara

Sl. No.	Date	Event/ Initiatives/Activities	Description	Number of Participants
1.	21/08/2024	Sri krishna janmashtami	cultural event celebrating birthday of lord Sri Krishna	280
2.	12/10/2024	bathukamma	cultural event celebrating culture of Telangana about Dasara	200
3.	09/11/2024	vinodha vaahika	Fun event celebrated with fun activities like stand up comedy, open mic etc	250



(a) Bathukamma (12-10-2024)



(b) Sri krishna janmashtami (21-08-2024)

Feeds NITT

Sl. No.	Date	Event/ Initiatives/Activities	Description	Number of Participants
1.	24/8/2024	Orientation Newsletter	Newsletters geared towards introducing freshers to college life	100
2.	23/1/2025	Make-a-zine	A compendium of pieces put out by the new inductees, all onto a magazine	40

Achievements

Sl. No.	Achievements	Details
1.	2 nd Place – Poetry Writing	A Word's Worth Poetry Competition at Autumn Muse '24 St. John's College



First Club Meet – 28/8/2024



Magazine Distribution Meet – 23/1/2025

Amruthavarshini

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	15.08.2025	Independence Day Singing	On the occasion of India's 78th Independence Day, members of Amruthavarshini came together to deliver a heartfelt rendition of the patriotic song <i>Aaduvome Pallu Paaduvome</i> . This timeless composition by Mahakavi Bharatiyar served as a moving tribute to the countless freedom fighters whose sacrifices secured our nation's independence. The performance, held during the campus celebrations, was met with great appreciation from attendees and evoked a sense of pride and unity.	5
2.	26.08.2024	Krishna Janmashtami Event	To celebrate the auspicious occasion of Krishna Janmashtami, the club organized a special event at the temple premises. Members worked collaboratively to prepare <i>hand-made prasadam</i> , which was distributed to devotees visiting the temple. In addition, the club performed two devotional compositions dedicated to Lord Krishna, creating a spiritual and joyous atmosphere. A unique highlight of the event was the <i>flameless prasadam</i> preparation session, which not only ensured safety but also inspired creativity and teamwork among the participants. The event was a delightful blend of tradition, devotion, and innovation, leaving a lasting impression on all who attended.	15
3.	07.09.2024	Vinayaka Chaturthi Concert	For Vinayaka Chaturthi, Amruthavarshini organized a devotional concert in collaboration with the Temple Association of Sri Sarva Siddhi Vinayakar Aalayam, situated near the 2K market. The members were divided into small groups of three, and each group prepared and performed two to three soulful renditions dedicated to Lord Ganesha. The event, conducted in the temple premises, provided a platform for members to showcase their talent and devotion. The performances, enriched by the diversity of compositions, captivated the audience and added a divine touch to the festive proceedings. It was an enriching experience for both the performers and the devotees present.	15
4.	10.09.2024	Orientation Event	The club initially planned an elaborate musical orientation event featuring iconic Carnatic compositions such as <i>Kaithala Niraikani</i> and <i>Alaipayuthey Kanna</i> . This concert was designed to combine vocals with instrumental accompaniments, including violin, mandolin, and flute, to provide a comprehensive musical experience. However, due to unforeseen logistical challenges, the event had to be canceled. Undeterred, the club seized an alternative opportunity and performed the planned songs during a temple concert at Opal. This impromptu adaptation showcased the resilience and	10

			commitment of the members to keep the spirit of music alive despite setbacks.	
5.	12.09.2024	Inductions	Inductions for the odd semester were conducted with enthusiasm and meticulous planning. The process aimed to identify passionate individuals eager to contribute to the club's musical endeavors. After several rounds of auditions and discussions, the club welcomed a significant number of new members, increasing the total strength to approximately 60.	10

Achievements

Sl. No.	Achievements	Details
1.	Festember Shruthilaya Quiz	As part of Festember, the annual cultural festival of NIT Trichy, Amruthavarshini organized the Shruthilaya Quiz, a unique event dedicated to Carnatic music enthusiasts. The quiz covered an array of topics, including theoretical aspects, song and composer identification, and raga recognition. Participants from various colleges showcased their knowledge and passion for Carnatic music, making the competition lively and engaging. The event was praised for its well-structured rounds and thought-provoking questions, which tested both depth and breadth of knowledge. The overwhelming response and positive feedback underscored the quiz's success and its potential to become a Festember highlight in the future.
2.	Navaratri Concerts (3 October 2024, Thursday to 12 October 2024, Saturday)	A series of concerts were organized at the Sri Vidya Ganapathi Temple throughout the nine days of Navaratri, celebrating the divine feminine energy. Each day featured three to four vocalists who performed a variety of compositions dedicated to the Goddess, creating a serene and devotional ambiance. The concerts also included special renditions of <i>Harikathas</i> , adding a narrative dimension to the performances. Devotees attending the temple were served <i>prasadam</i> daily, fostering a sense of community and gratitude. The event not only honored tradition but also provided a meaningful platform for members to connect with their heritage and share it with a larger audience.



Independence Day Singing (15 August 2024, Thursday)



Vinayaka Chaturthi Conce (7 September 2024, Saturday)

AAAYAAM -The Hindi Cell of NIT Trichy

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	15 th Aug 2024	Kite Festival	The Aayaam Club organized a Kite Competition on 15 th August at CEESAT Ground, NIT Trichy, celebrating Independence Day with vibrant kites symbolizing patriotism and unity. The event saw enthusiastic participation, friendly kite battles, and a spirited atmosphere, concluding on a high note with a strong sense of togetherness.	200
2.	15 th Aug 2024	Independence Day Tiranga March	On the auspicious occasion of Independence Day, Aayaam took the initiative to organize a spectacular Tiranga March. In this event nearly 150 flags were provided to each and every individual. This event aimed to foster the sense of national pride and unity among the students, faculty, and staff members of NIT Trichy.	150
3.	14 th to 19 th Sept 2024	Umang	Umang 2024, the Hindi week was celebrated at NIT Tiruchirappalli premises from 14 th to 20 th September 2024 by Aayaam. The week aimed to enrich the non-Hindi-speaking society and increase their curiosity about the language. Various events like Jhankaar (Singing and Dancing), Movie Screening, Hindi Quiz (India + Cricket + Bollywood), Dumb Charades, Chakravayuh (Aptitude, Puzzles, Algebra, and Logical Reasoning), Treasure Hunt, Hindi Debate, Mushaira (Shayari/ Ghazal), etc. were conducted throughout the week and prizes were also distributed.	200
4.	26 th to 29 th September 2024	Festember Hindi Lits	We collaborated with Festember'24 team and organized various Hindi Lits events like Cricket Quiz, Vaad Vivaad, Tatkalik Bhasan (Extempore), Rochak Mantrana, and Titanic Safari.	300
5.	11 th Oct 2024	Navratri and Dandiya Night	Dandiya Night was conducted in GJCH, NIT Tiruchirappalli, where students came in ethnic dress and enjoyed Gujrati culture & dance with their friends. The main purpose of this festival was to celebrate Maa Durga's honour on the occasion of Navaratri.	2000
6.	10 th Jan 2025	TOLIC Quiz	Aayaam members volunteered in Tiruchirappalli district level Hindi Quiz event organized by OLIC, NITT to promote Hindi as an official language.	100
7.	26 th Jan 2025	Republic Day Tiranga March	On the auspicious occasion of Republic Day, Aayaam took the initiative to organize a spectacular Tiranga March. The event which featured a '100-meter-	150

			long Tiranga', aimed to foster the sense of national pride and unity among the students, faculty, and staff members of NIT Trichy.	
8.	26 th Feb 2025	Chitrakala Competition	On the auspicious occasion of Mahashivratri, we organized a Drawing and Painting competition.	50
9.	14 th March 2025	Holi Hungama	Holi Hungama was conducted on 14 th Mar 2025 at CEESAT Ground, NIT Tiruchirappalli. It was a vibrant and colourful festival which signifies the triumph of good over evil and is marked by people smearing each other with brightly coloured herbal powders. We started the day by the aarti of Radha Krishna followed by distributing colours and snacks, enjoying cultural music, and dancing.	3000
10.	20 th to 23 rd March 2025 (Tentative)	NITTFest Hindi Lits	Aayaam, in association with NITTFEST'25, will organize various Hindi Lits events like Vaad Vivaad, Nukkad Natak, Qawaali, Quiz, and Impromptu Speech.	200 (Expected)
11.	11 th Apr 2025 (Tentative)	Kavya Sandhya	Kavya Sandhya is an engaging cultural entertainment stage program for presenting Hindi and Urdu poems by emerging poets from the NIT Trichy community. The program is a rainbow of poems based on humor, satire, patriotism, romance, sensation, and cultural values. Apart from providing a platform for the students, faculty and staff members to showcase their poetic skills, this event also includes the launch of our annual Hindi magazine "Pratibimb".	100 (Expected)

Holi Hungama (14th Mar 2025)Dandiya Night (11th Oct 2024)

TOASTMASTERS INTERNATIONAL NIT TRICHY

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	Every Wednesday	Weekly meetings of TMI	Every Wednesday from 5:30 to 7:30 pm, the club gathers to have its regular meeting which adheres to Toastmasters International's standards and guidelines. During these meetings, members get a chance to give prepared as well as impromptu speeches, and also receive appropriate evaluation. During semester breaks too, we conducted our meetings online via Teams or Zoom.	32
2.	21st September 2024	Humorous Speech and Evaluation Contest – Club Level	Annually, we conduct a Humorous Speech and Evaluation Contest for the club members. The first contest is conducted at the club level, where club members compete against each other in two speech contests – the humorous speech contest and the evaluation speech contest. The winner and the first runner-up from these contests proceed to the Area Level. The contest was judged by TM Mani Mala from Tuticorin Toastmasters. The contest chairs were TM Sandeep and TM Arshad from NIT Trichy.	20
3.	6 th October 2024	Humorous Speech and Evaluation Contest – Area Level (Area H5)	The winners and runners-up from all the clubs in Area H5 (Toastmasters International NIT Trichy, Colossus Toastmasters, Tuticorin Toastmasters, Centum Toastmasters, and EMS Toastmasters) compete with each other in the Area Level Contests for the Humorous Speech and Evaluation Contests. This edition of the Area Contest was conducted in NIT Trichy. The Area Contest was judged by TM Uma from Tuticorin Toastmasters and the event was presided over by TM Vivekanandan, the Area H5 director, and TM Yalini, the Division H director. The contest chair was TM Prithika from NIT Trichy.	30
4.	18 th August 2024	Joint Meeting – TMI NITT, Colossus NITT and Trichy Toastmasters	TMI NITT and Colossus NITT celebrated their milestone meetings (Meet No: 300 and 200 respectively) with Trichy Toastmasters. TM Vivekanandan, the Area H5 director, presided over this	30

Achievements

Sl. No.	Achievements	Details
1.	Humorous Speech and Evaluation Contest Winners – Club Level	<p>Humorous Speech Contest Winners are as follows:</p> <ol style="list-style-type: none"> 1. TM Aditya G (TMI), TM Joshua (Colossus) 2. TM Arshad (TMI), TM Aditya B (Colossus) 3. TM Thejashvee (TMI), TM Ryhan (Colossus) <p>Evaluation Contest Winners are as follows:</p> <ol style="list-style-type: none"> 1. TM Niranjana (TMI), TM Sandeep (Colossus) 2. TM Arshad (TMI), TM Joshua (Colossus) 3. TM Aditya G (TMI), TM Aditya B (Colossus)
2.	Humorous Speech and Evaluation Contest Winners – Area Level	<p>The winners and first runners-up mentioned above competed against several Toastmasters from other clubs in the Area H5 contest.</p> <p>TM Aditya B emerged as the second runner-up for the Humorous Speech Contest.</p>
3.	Fantastic Five Award – Colossus Toastmasters	<p>The Fantastic Five Award was awarded to Colossus Toastmasters for achieving 5 DCP (Distinguished Club Performance) Points before the end of 2024. The Distinguished Club Program (DCP) recognizes Toastmasters clubs for achievements in education, membership, leadership, and communication.</p>



TMI NITT, Colossus NITT, and Trichy Toastmasters Joint Meeting on 18.08.2024



Area H5 Humorous Speech and Evaluation Contest on 06.10.2024

STREAKS (Official Fashion Club of NITT)

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	31.08.24	Riddle Me This?	A collaboration between Orientation and Streaks Fashion Club, for club showcasing. A supposedly Cosplay Event carrying the hype of Western Cinema and Films.	Expected Footfall (2.5K)
2.	Sept'25	Frame/fame	An Online event organized by Streaks exclusively for Freshers to participate and showcase their skills and enthusiasm towards Fashion and Content Creation.	20 (5 Teams)
3.	Sept'24 – Oct'24	Brand Development (Ejae Customization)	Our 2 nd Brand Development Initiative for helping our college's homegrown brand through creative ways, to gather a community and reach to relatable audience. Helped them attain an increase of 25% of overall brand growth. This also helped us fund our Club.	--
4.	Sept'24	Festember – Merchandise	We designed our first ever merch based on a Theme 'Deccan Odyssey' of Our Annual Cultural fest- FESTEMBER. These were in collab with the fest helped us raise funds for the club.	Footfall (7.5K)
5.	18.09.24	Festember- Band Baja Baraat	FPT collaborated with Streaks for a Indo-Western style fashion show. Creating a pre-hype event for FESTEMBER and showcasing our fashion club's enthusiasm.	30
6.	18.10.24	STARDOM	ArchCult (Architecture department symposium) in Collaboration with Streaks presented a Fashion-Storytelling show. Included training and practice for Fresher participants.	18

Achievements

Sl. No.	Achievements	Details
1.	Have gathered 20+ brands as sponsors.	Through Collaborating in various college festivals and events, we have gathered 20+ Brands for potential sponsorship for future.
2.	Raised a funding of 45K+ INR for the club.	External projects like Brand Promotions, Brand Development & Internal projects like Merch designing has helped us raise a sum of 45K+ which were used further in organizing events, sourcing materials and renting resources.



Merchandise designing for FESTEMBER (Sept'24)



STARDOM: A Fashion Story-Tell (18 October 2024)

The Thespians' Society

Sl. No.	Achievements	Details
1.	2 nd Place : Improv competition : IIT Madras : SAARANG 25'	Took part in an on-stage improvisation competition, comprising of 10 teams facing against each other in Round 1 with 5 teams advancing to Round 2.
2.	3 rd Place: Drama competition : NIT Calicut : RAGAM 25'	Performed a 2-act structured Malayalam play with 10 membered cast based on traditional Kerala folklore, inspired by Theyyam with a duration of 50 minutes. Competed against six other colleges.



Improvisation SAARANG 25'
(10 Jan 2025)



Drama Competition RAAGAM 25'
(22 Feb 2025)

CLUB ACTIVITIES 2024 – SOCIAL CLUBS

IGNITTE

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	10.08.2024	Screening Test - Tirunelveli	The Screening Test is the key process to select government school students from Tirunelveli district for coaching in IGNITTE	20 – club members
2.	15.09.2024	Screening Test - Trichy	The Screening Test is the key process to select government school students from Trichy district for coaching in IGNITTE	20 – club members
3.	05.09.2024	Youtube Launch	we relaunched our YouTube channel, which previously hosted recorded chapter videos exclusively for our students. Now, the channel is open to a wider audience, and we have started consistently uploading videos across all three subjects.	All club members
4.	23.10.2024	Pragyan Techids Kalvithadam Session	A Kalvithadam session was conducted as part of the Pragyan Social Responsibility Team's event, Techids, organized under Pragyan '24. This initiative aimed to empower over 170 10th-grade government school students from Trichy district by introducing them to various career domains such as medicine, science, law, and engineering.	15 – club members
5.	July 2024 to November 2024	Weekend Offline classes	Regular offline classes are held on campus. Students arrive on Saturday morning, stay overnight in the hostel, and work on worksheets during sessions. A test is conducted on Sunday morning, followed by paper discussions in the afternoon, before they depart in the evening.	All club members
6.	3 rd December 2024 to Jan 19 th 2025	Crash course	With JEE Session-1 nearing, six 12th-grade IMPULSE students are undergoing a 37-day Crash Course (Dec 26 – Jan 19) with daily tests, mock exams, and problem-solving sessions. Mentors provide regular feedback and doubt clearing. As a new initiative, 11th-grade students have also been invited for a focused Crash Course from Dec 26–31 to strengthen their fundamentals and give them an early start in JEE preparation.	All club members
7.	25.01.2025	Seva Sangam Kalvithadam Session	IGNITTE organized a career guidance program at Seva Sangam School, Trichy, for 200 students (Grades 10–12). Building on previous Kalvithadam sessions, it aimed to empower young women with career insights. The event was a success, reinforcing IGNITTE's commitment to guiding students toward future success.	19 – Club members
8.	January'25 to March'25	Club Inductions	The mentors who served during the odd semester underwent a review process, resulting in the promotion of 32 individuals to managerial positions in January. Following this, club inductions occurred throughout January and February, with 50	All Club members

			individuals selected based on their performance in interviews and tasks.	
9.	17.02.2025 and 01.02.25	Screening Test'25 – Trichy and Tirunelveli	This year, we introduced a second screening for 10th-grade students to enroll them in IGNITTE earlier, providing more time for JEE preparation. Tests were held in Trichy (Feb 17 & 23) and Tirunelveli (March 1 & 2). After interviews, 21 students from Trichy and 18 from Tirunelveli were selected.	20 - club members
10.	February 2025	Onfoots	We visited Trichy schools to guide 10th graders on JEE, NITs, and IITs, sharing insights, strategies, and success stories to inspire ambitious goals.	10 - club members

Achievements

Sl. No.	Achievements	Details
1.	JEE RESULT 2024	Muthulakshmi, a student from IGNITTE, achieved 88 percentile in JEE Mains and secured admission to Puducherry Technological University, marking a significant milestone in her academic journey.
2.	JEE RESULT 2025	Muhilraj, a student from IGNITTE, scored 95.88 percentile in JEE Mains 2025



Screening Test, 15.09.2024



Crash course, 13.12.2024

PUPIL FOR PUPIL COMMITTEE

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	27/08/2024 to 31/08/2024	SCRIBE ASSISTANCE	Provided scribe assistance for a visually challenged B.Ed student from M.A.M College, Trichy, supporting them through 5 exams.	2
2.	11/09/2024	CLEANLINESS DRIVE	Organized a Cleanliness Drive during the Marathon and Sports Fete at NIT Tiruchirappalli, where volunteers cleaned waste around the tracks and placed dustbins for proper disposal.	55
3.	06/12/2024	CHILDREN'S DAY CELEBRATION	Children's Day celebrated at Thuvakudi Government School with a day filled with fun and learning. Various games and quiz competitions were organized, and all participants were rewarded with prizes, making it a joyful and memorable experience for the children.	12
4.	07/11/2024 to 18/11/2024	SCRIBE ASSISTANCE	Provided scribe assistance for a visually challenged student from govt law College, Trichy, supporting them through 4 exams.	3

Achievements

CLEANLINESS DRIVE
(11/09/2024)



CHILDREN'S DAY CELEBRATION
(06/12/2024)



HumanITY'24

Overview of the Event : Humanity'24, the NITT's Daan Utsav initiative of NIT Trichy took place from the 2nd of October to the 12th of October, 2024. This nine-day celebration is dedicated to embodying the spirit of **"giving"** and **fostering a culture of compassion within the institute**. The core mission of Humanity is to actively engage the student community in a diverse range of charitable activities. Through carefully planned and executed volunteering initiatives, the Social Council strives to cultivate a profound sense of social responsibility.

Sl. No.	Date	Name of the Activities, Initiatives, and Programs, Trainings	Number of Participants
1.	16/09/2024 to 17/09/2024	National Conference on Youth Social Change - Social Council represented NIT Trichy in 5th National Conference on "Youth in Social Change" at MAHE (Manipal Academy of Higher Education) organized by	5

		Ministry of youth affairs and sports in par with DAAN UTSAV, presenting their project "AAYUL," a tech-driven medical logistics platform. Their poster showcased innovative healthcare solutions like video consultations, free health check-ups, and Aadhaar-linked medical records.	
2.	29/09/2024	Malarchi Stall Setup for Festember - Social Council has helped people from, Malarchi, a home for intellectually challenged people that the council visits every year, to set up a stall during Festember, the Cultural fest of NITT.	50
3.	02/10/2024	Visit to Malarchi - Contribution of a cheque of Rs.15000/- from Dr. Bakthavatsalam A K. and Sweets from Ms. Sujatha (Alumnus-2024)	47
4.	03/10/2024	Visit to Kangaroo Home for Differently Abled – Donations of groceries, medicines, and rice bags were provided to the Kangaroo Home for Differently Abled.	34
5.	04/10/2024	Visit to Bharathiyar Gurukulam – Dr. R K Jeyachitra donated stationeries to Bharathiyar Gurukulam and Provisions were also provided to Bharathiyar Gurukulam.	43
6.	05/10/2024	Sarathy Diwas - Contributions of water bottles, towels, notepads, and pens to Bus drivers and conductors were made for Sarathy Diwas.	30
7.	06/10/2024	Gala for Kids – Donations of chocolates, kits containing water bottles, stationery, and small-sized notes, and general gifts to school kids were provided for Gala for Kids.	150
8.	07/10/2024	Visit to Bharathamatha Old Age Home - Sweets and toiletries were donated to Bharathamatha Old Age Home.	52
9.	08/10/2024	Visit to Guru Kripa Old Age Home - Donations of medicines, bedsheets, groceries, and rice bags were provided to Guru Kripa Old Age Home.	42
10.	09/10/2024	Visit to Anbalayam Home for Intellectually Challenged - Donations of diapers, toiletries, biscuit packets, bedsheets, towels, and groceries were provided to Anbalayam Home for Intellectually Challenged.	40
11.	10/10/2024	Visit to St.Anthony's Old Age Home - Donations of 21 bath buckets, 9 ceiling fans and biscuit packets were provided to St. Anthony's Old Age Home.	50
12	08/12/2024	Clothing Hearts - Nearly 500 leftover T-shirts from the Student Welfare Office were donated to HumaNITy'24 and distributed with support from Vijay Krishnan. Over 100 were given at a disability event near Lalgudi, 150 to MR Palayam residents, and the rest to children at Voice Trust's orphanage in Siruganur.	120



Event: Gala for Kids Date: 06.10.2024



Event: National Conference on 'Youth Social Change' Date: 16.09.2024

TASKFORCE				
Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	12.08.2024- 14.08.2024	RECycle	A total of 96 cycles were distributed to students, administrators, and staff under a subscription model, promoting sustainability and encouraging eco-friendly commuting practices.	90 Students from NIT Trichy subscribed to this model and got benefited. 6 cycles painted yellow and black were given to the admin and staff of NITT.
2.	04.02.2025- 10.03.2025	Passport Mela	The Passport Mela is organized to streamline the passport application process, making it hassle-free for students. From online application submission to document verification and police verification, the dedicated task force provides step-by-step guidance to applicants, ensuring a smooth and efficient experience.	750 applicants for fresh apply as well as for renewal
3.	04.11.2024- 08.11.2024	Aadhar Updation Mela	An initiative event for students to help them update their Aadhar Details, including biometrics, address and phone numbers.	50
4.	25.08.2024- 27.08.2024	Townhall	To enhance transparency for students in the budget distribution, the budget split in odd-even semesters gives the proper idea of events conducted by the club.	200
5.	24.03.2025- 25.03.2025	Soapbox	A platform is provided for candidates contesting in the upcoming Students' Council elections, enabling them to present their vision while promoting informed decision-making and enhancing transparency among students.	230

Achievements

Sl. No.	Achievements	Details
1.	Refurbishing unused bicycles across campus has reduced waste and promoted sustainability by extending their lifespan and encouraging eco-friendly transportation	RECycle Event.
2.	The task force successfully organized a Passport Mela, benefiting over 800 students by streamlining the passport application process and eliminating unnecessary hassles	Passport Mela 2025



RECycle Inauguration (12.08.2024)



RECycle Inauguration (12.08.2024)

League for Environmental Awareness and Protection (LEAP)

Sl. No.	Date	Event/ Initiatives/ Activities	Description	No. of Participants
1.	11/09/2024	Marathon Cleanup drive	Cleared the plastic debris that accumulated following the Sports Fete Marathon.	50
2.	14/09/2024	Plantation drive	We planted 60 saplings in the premises of the Mechanical department.	60
3.	20/10/2024	LEAPIX- Photography and Videography competition	With a theme of "Pollution Pandemic: Capturing the consequences", he created awareness through the competition.	30
4.	13/11/2024	Golden Box	Partially used notebooks and answer sheets are collected from students, binded and are to be distributed to underprivileged students.	60
5.	28/02/2025	National Research Centre for Banana (NRCB) visit	Students explored sustainable banana-based products and innovative farming technologies.	40
6.	12/03/2025	Irrigation Management	Students explored key concepts in irrigation practices, their	30

		Training Institute (IMTI) visit	management, and their role in promoting sustainable agriculture.	
7.	21/03/2025 "International Day of Forests" (To be organized)	Plantation drive and Environmental Awareness rally	60 saplings will be planted and the theme for this rally is "Youth for Forests: Protecting Nature, Securing Our Future".	100 (Expected)
8.	To be decided	Book distribution event in a govt school	Around 50 books are to be distributed.	40 (Expected)

Achievements

Sl. No.	Achievements	Details
1.	We planted 60 saplings on 14/09/2024 and 60 saplings are to be planted through the second phase on 21/03/2025 through which greenery is improved and environmental protection.	Plantation drives on 14/09/2025 and 21/03/2025
2.	Through our golden box event, we achieved a twin goal: one is reducing the waste of unused papers in notebooks and other is helping the underprivileged students.	Golden box event during odd semester and book distribution event during even semester.
3.	Through our educational visits, students have been exposed to various sustainable products and practices which inculcate a sense of responsibility in students and implement them.	NRCB visit on 28/02/2025 and IMTI visit on 12/03/2025.



Plantation drive: 14/09/2024





NRCB visit: 28/02/2025

AKKARA

Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
1.	25 th Sep 2024	Spring seed 3.0	Spring Seed 3.0 marks the continuation of a noble initiative to foster environmental consciousness among students and promote sustainable practices. Building upon the success of this academic year, this iteration witnessed an overwhelming response, with a record number of registrations signifying the growing enthusiasm among the student community for environmental stewardship.	45 participants
2.	04 th Oct 2024	Project Vetiver Initiative	The primary objective of this initiative is to explore the potential of Vetiver (Chrysopogon, zizanioides) in sustainable farming, soil stabilization, water management, and essential oil production. This project aims to enhance knowledge and practical skills among students through hands-on involvement in Vetiver cultivation and post-harvest processes.	10 members are working on it
3.	25 th Oct 2024	Eggshell's to organic fertilizer project	To repurpose eggshell waste from the four college messes into an eco-friendly and sustainable organic fertilizer, promoting sustainable agricultural practices and contributing to a circular economy on campus.	15 members are working on it
4.	15 th March 2024	Fields of Sorrow	Mental health event in collaboration with OSS club, featuring a case study discussion and quiz. The top 7 participants were awarded.	30 participants

Spring seed 3.0 (20th September 2024)Eggshell to organic fertilizer project (25th October 2024)

PRAKRUTI				
Sl. No.	Date	Event/ Initiatives/ Activities	Description	Number of Participants
Animal Feeding Activities				
1.	Regular	Dog Feeding/Cows Feeding/ Cats Feeding	Feeding the dogs daily evening across the campus by taking wastages food from messes	30
Animal welfare activities				
2.	Regular	Dog Medication	Serving the injured/Sick dogs across the campus with the help of blue cross NGO.	25
3.	Regular	Cats Medication	Helping out the injured/Sick cats in the campus with the help of Club members.	15
4.	Once in a week	Deworming	Performing the deworming for atleast 5 Dogs/Cats in a week so that they shouldn't get infected	15
5.	24 Oct 2024	Puppy Chowdown	An Event which focused to catch the emotions of animal lovers. In event participants were made to feed the puppies and dogs followed by the video upload.	12
				
				

ENRICH

Sl. No.	Date	Initiatives	Description	Number of Participants
1.	Every Monday, Wednesday, and Friday	English class	Basic English classes were conducted for 1 st , 2 nd and 3 rd year students for improvising the English communication and knowledge	55
2.	01.10.2025	TN Model School Teacher interaction	6 TN model school officials have come for campus visit and had an interaction with our Enrich students and asked about their college experience and journey	16
3.	18.03.2025	Social week	General knowledge quiz	15

Achievements

Sl. No.	Achievements	Details
1.	RECAL scholarships	6 of our students have received scholarship from RECAL and the scholarship fund have awarded to the students on 17 th March 2025 by our institute's Director.



TN Model School Teacher Interaction on 01.10.2025





Enrich Club students receiving RECAL Scholarships on 17.03.2025

APEKSHAA

Sl. No.	Date	Event/ Initiatives/Activities	Description -	Number of Participants
1.	15/8/24	Independence Day	Conducted in the REC middle school for class 6th-8th	60
2.	6/10/24	Gala for kids	Conducted in the Barn ball NITT	300
3.	29/10/24	Diwali Celebration	Conducted in the REC middle school for class 6th-8th	60
4.	9/3/25	Abacus Event	Conducted by UCMAS Abacus district level competition.	300

Achievements

Sl. No.	Achievements	Details
1.	Trained and mentored Class 7 and 8 students for the National Means-cum-Merit Scholarship (NMMS) exam, equipping them with aptitude skills to enhance their academic potential.	As part of Apekshaa, our teaching initiative, we conducted year-long sessions focusing on aptitude, logical reasoning, and problem-solving skills. We identified talented students from REC Middle School and provided structured guidance to help them excel in the NMMS exam
2.	Organized a LEGO WeDo robotics workshop for Grade 5 students, introducing them to hands-on STEM learning.	Conducted an interactive session in collaboration with an alumni and the scient club, with the WeDo Robotics Kit and problem-solving through practical activities.
		

Omega Science & Spirituality Club

Sl. No.	Date	Event/Initiative/Activity	Description	Number of Participants
1.	17/08/2024	Guest Lecture on the Importance of Meditation Amidst Social Media Distraction	Prof. G. Sangeetha (Architecture Dept.) conducted a session on meditation to combat social media distractions, including a hands-on exercise.	Over 1,200 first-year students
2.	Weekly	Weekly Meditation Sessions	Led by Prof. G. Sangeetha, these sessions focused on stress relief, focus, and emotional resilience.	Regular 40+ attendees
3.	14-15/11/2024	2-Day Virtual Event: Climate Champion	A quiz (Day 1) and research report submission (Day 2) on climate change. Winners were awarded during OSS's anniversary.	50
4.	29/01/2025	OSS 12th Anniversary and Prize Distribution Ceremony	Featured a guest lecture and prize distribution for Climate Champion winners.	52
5.	19/02/2024 (Start)	7-Week Meditation Challenge	A structured meditation challenge with 121 participants for mindfulness and stress relief.	121
6.	15/03/2024	Fields of Sorrow	Mental health event in collaboration with Akkara, featuring a case study discussion and quiz. The top 7 participants were awarded.	30
7.	Ongoing	Serenity Magazine	OSS's inaugural magazine covers mental health, philosophy, science, and spirituality.	15 members working on it
8.	Ongoing	Morning Gratitude and Mindfulness Meditation	A new initiative promoting positive morning routines with gratitude and mindfulness meditation.	20
9.	Ongoing	Social Media Outreach	Active presence on Instagram, LinkedIn, and WhatsApp, sharing updates on meditation, events, and wellness content.	Engaged 400+ followers across various platforms



2-Day Virtual Event: Climate Champion
14-15/11/2024



Guest Lecture on the Importance of
Meditation Amidst Social Media Distraction
17/08/2024



NIRF DATA



NIRF DATA



 Ministry of Education Government of India	INDIA RANKINGS 2024 National Institutional Ranking Framework	
Engineering		
Indian Institute of Technology Madras		1
Indian Institute of Technology Delhi		2
Indian Institute of Technology Bombay		3
Indian Institute of Technology Kanpur		4
Indian Institute of Technology Kharagpur		5
Indian Institute of Technology Roorkee		6
Indian Institute of Technology Guwahati		7
Indian Institute of Technology Hyderabad		8
National Institute of Technology Tiruchirappalli		9
Indian Institute of Technology (Banaras Hindu University) Varanasi		10







National Institutional Ranking Framework

Ministry of Education
Government of India

Data Submitted by Institution for India Rankings '2024'

Institute Name: National Institute of Technology Tiruchirappalli [IR-E-U-0467]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	964	964	964	964	-	-
PG [2 Year Program(s)]	658	688	-	-	-	-

Total Actual Student Strength (Program(s) Offered by your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	3399	905	4304	1883	2304	117	535	2204	71	2140	36	492
PG [2 Year Program(s)]	948	159	1107	76	1029	2	168	599	5	732	30	0

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates per annum(Amount in Rs.)	No. of students selected for Higher Studies
2017-18	768	839	2018-19	0	2020-21	811	563	1080000(RUPEES TEN LAKHS AND EIGHTY THOUSAND ONLY)	163
2018-19	768	891	2019-20	0	2021-22	865	645	1200000(RUPEES TWELVE LAKHS ONLY)	133
2019-20	964	1126	2020-21	0	2022-23	1075	853	1576000(RUPEES FIFTEEN LAKHS AND SEVENTY SIX THOUSAND ONLY)	142

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates per annum(Amount in Rs.)	No. of students selected for Higher Studies
2019-20	582	463	2020-21	443	335	700000(RUPEES SEVEN LAKHS ONLY)	27

2020-21	688	595	2021-22	572	527	950000(RUPEES NINE LAKHS AND FIFTY THOUSAND ONLY)	13
2021-22	688	584	2022-23	533	516	1000000(RUPEES TEN LAKHS ONLY)	4

Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2022-23)			
		Total Students	
Full Time	720		
Part Time	236		
No. of Ph.D students graduated (including Integrated Ph.D)			
	2022-23	2021-22	2020-21
Full Time	102	87	121
Part Time	35	36	43

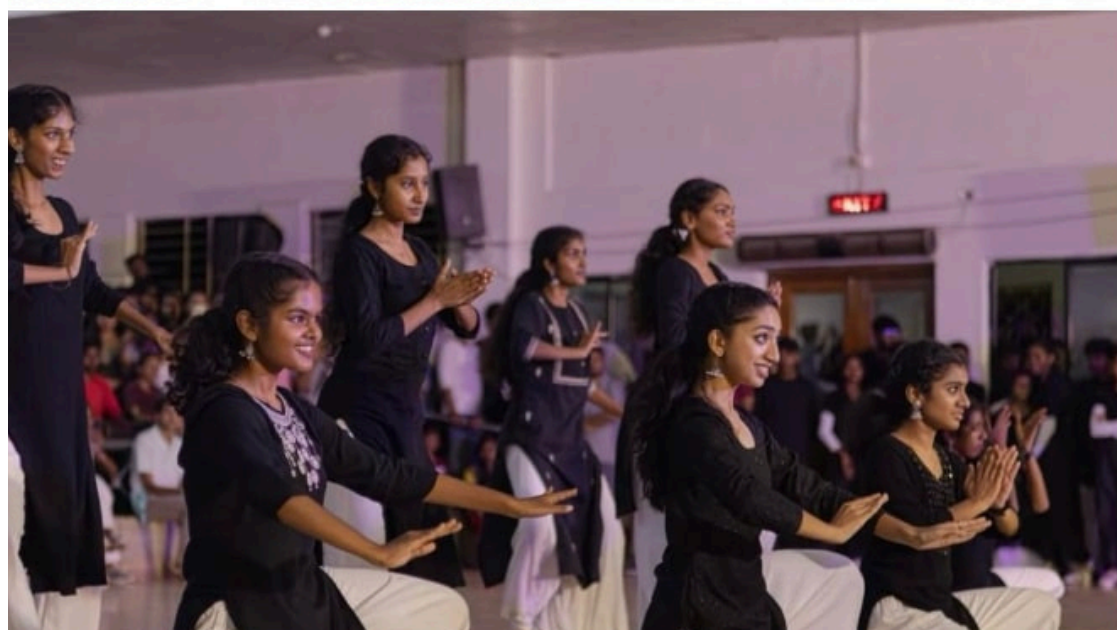
Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

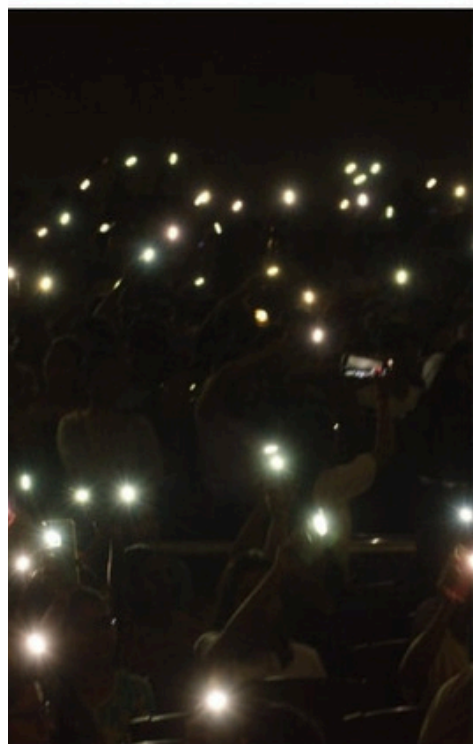
Financial Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library (Books, Journals and e-Resources only)	901170 (RUPEES NINE LAKHS ONE THOUSAND ONE HUNDRED AND SEVENTY ONLY)	2634509 (RUPEES TWENTY SIX LAKH THIRTY FOUR THOUSAND FIVE HUNDRED AND NINE ONLY)	5454291 (RUPEES FIFTY FOUR LAKHS FIFTY FOUR THOUSAND TWO HUNDRED AND NINETY ONE ONLY)
New Equipment and software for Laboratories	128400156 (RUPEES TWELVE CRORES EIGHTY FOUR LAKHS ONE HUNDRED AND FIFTY SIX ONLY)	301048112 (RUPEES THIRTY CRORE TEN LAKH FORTY EIGHT THOUSAND ONE HUNDRED AND TWELVE ONLY)	131915871 (RUPEES THIRTEEN CRORES NINETEEN LAKHS FIFTEEN THOUSAND EIGHT HUNDRED AND SEVENTY ONE ONLY)
Engineering Workshops	100000 (RUPEES ONE LAKH ONLY)	500000 (RUPEES FIVE LAKH ONLY)	2000000 (RUPEES TWENTY LAKHS ONLY)
Other expenditure on creation of Capital Assets (For setting up classrooms, seminar hall, conference hall , library, Lab, Engg workshops excluding expenditure on Land and Building)	369420501 (RUPEES THIRTY SIX CRORES NINETY FOUR LAKHS TWENTY THOUSAND FIVE HUNDRED AND ONE ONLY)	395519048 (RUPEES THIRTY NINE CRORE FIFTY FIVE LAKH NINETEEN THOUSAND AND FORTY EIGHT ONLY)	331108659 (RUPEES THIRTY THREE CRORES ELEVEN LAKHS EIGHT THOUSAND SIX HUNDRED AND FIFTY NINE ONLY)

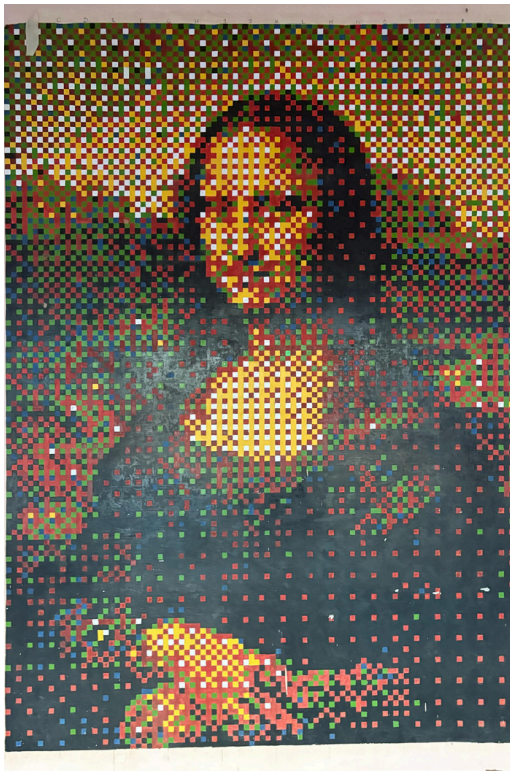
Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Financial Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	1377511528 (RUPEES ONE HUNDRED AND THIRTY SEVEN CRORES SEVENTY FIVE LAKHS ELEVEN THOUSAND FIVE HUNDRED AND TWENTY EIGHT ONLY)	1389753614 (RUPEES ONE HUNDRED AND THIRTY EIGHT CRORE NINETY SEVEN LAKH FIFTY THREE THOUSAND SIX HUNDRED AND FOURTEEN ONLY)	1255619756 (RUPEES ONE HUNDRED AND TWENTY FIVE CRORES FIFTY SIX LAKHS NINETEEN THOUSAND SEVEN HUNDRED AND FIFTY SIX ONLY)
Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	1115508711 (RUPEES ONE HUNDRED AND ELEVEN CRORES FIFTY FIVE LAKHS EIGHT THOUSAND SEVEN HUNDRED AND ELEVEN ONLY)	940335091 (RUPEES NINETY FOUR CRORE THREE LAKH THIRTY FIVE THOUSAND AND NINETY ONE ONLY)	1087633696 (RUPEES ONE HUNDRED AND EIGHT CRORES SEVENTY SIX LAKHS THIRTY THREE THOUSAND SIX HUNDRED AND NINETY SIX ONLY)
Seminars/Conferences/Workshops	4145050 (RUPEES FORTY ONE LAKHS FORTY FIVE THOUSAND AND FIFTY ONLY)	10396829 (RUPEES ONE CRORE THREE LAKH NINETY SIX THOUSAND EIGHT HUNDRED AND TWENTY NINE ONLY)	323806 (RUPEES THREE LAKHS TWENTY THREE THOUSAND EIGHT HUNDRED AND SIX ONLY)

GLIMPSES







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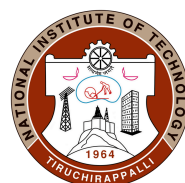
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