



National Institute of Technology
Tiruchirappalli

Institute Day 2024

A REPORT ON ACHIEVEMENTS



FOR THE ACADEMIC YEAR 2023-24

NATIONAL INSTITUTE OF TECHNOLOGY:

TIRUCHIRAPPALLI

Tamil Nadu - 620 015

NIT Tiruchirappalli, with its 5 decades of excellence in teaching, research, and innovation, is striving to achieve greater heights by optimizing the resources while keeping its fast pace of all-around growth. 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 2023 rankings, NIT Tiruchirappalli has achieved the prestigious No. 1 position among all NITs for the eighth consecutive year. In the Engineering category, the institute earned an impressive overall score of 69.71 out of 100, placing 9th nationwide. Furthermore, NIT Tiruchirappalli stands as the sole NIT to be featured in the QS World University Rankings 2024, securing a spot in the range of 781-790.

The Institute has 17 Academic departments and runs 10 UG Programmes, 31 Masters Programme, MS by Research and Ph.D. Programmes in major fields of Engineering, Sciences, Humanities and Management. The vibrant campus with 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, Tiruchirappalli has been declared the Best Innovation Club at the Festival of Innovation and Entrepreneurship (FINE) held at Rashtrapathi Bhawan in 2018, by the President of India. 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 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 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

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

A. Master of Science (4 Semesters)

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

B. Master of Business Administration (6 Trimesters)

C. Master of Computer Applications (6 Semesters)

D. 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

Institute Day 2024



Greetings!

Our Chief Guest Dr. K.N. Satyanarayana, Director, Indian Institute of Technology, Tirupati, Registrar i/c, Dr. N. Thamaraiselvan, Deans, Heads of Departments, Faculty, Staff, Student Achievers, Parents, Media Representatives, Ladies and Gentlemen.

I am delighted to welcome you all to our Diamond Jubilee Institute Day celebration. This day is a special occasion for all of us, as we celebrate 60 years of imparting knowledge and shaping lives. It's a time to reflect on the institute's achievements, honour its legacy, and envision a sustainable future while recognizing the achievements of NIT Tiruchirappalli community in the academic year 2023-24.

I am grateful to all who have contributed to our success, made possible by exceptional talent and dedication. We reached a few milestones in the last academic year. Let me list them for you.

I am proud that we have retained our 1st position among 31 NITs and 9th position among all the Engineering Colleges in the country. We have improved to 21st position among all higher education institutes in NIRF- 2023 ranking with 4th best in architecture and 35th in management and 22nd in Research category. Our NIRF score in Engineering has improved to 69.71. In the QS Ranking 2024, we have improved to the 781-790 band with a subject ranking of 451-500 in Mechanical Engineering and Electrical Engineering.

The Nobel Laureate, Richard J Roberts, the 1993 Nobel Prize winner in Physiology /Medicine visited NIT Tiruchirappalli and interacted with our students at Pragyan'24. Thank you to our 1980 batch Alumni for sponsoring this visit.

I am happy to announce that National Council for Teacher Education (NCTE) has approved the starting of Integrated Teacher Education Programme (ITEP), B. Sc. B. Ed. from the Academic year 2024-25 onwards. The program aims to prepare teachers for Foundational, Preparatory, Middle and Secondary stages as per the new school structure of NEP 2020, with a sanctioned intake of 50 Seats in Chemistry, Physics and Maths.

We have constantly touched the skies on our research front. Our Publications per faculty ratio has increased to 4.65 in 2023. Our citations per faculty ratio have gone up to 114 in 2023. The Publications in Q1 Journal quartile is 35.88 % with 19 Patents granted for the Calendar year 2023. We have sponsored Projects worth 10.36 Cr and Consultancy worth 6.5 Cr.

Our institute is one of the 100 institutions in India selected for the 5G Use Case Lab by the Department of Telecommunications to prepare Indian academia and the startup ecosystem for 6G technology, with the theme "Machine Learning Algorithms for wireless communication applications in the agriculture domain."

The Institute signed an MoU with Illinois Tech, Chicago, in November 2023, for collaborations in Academic research, mobility of faculty, scholars and students between Institutions, and other areas of mutual interest.

Under the aegis of the Ministry of Home Affairs, The Directorate of Census Operations (DCO) Tamil Nadu and the National Institute of Technology (NIT) Tiruchirappalli signed a MoU on 11th May 2023, to establish a Census Data Workstation to promote research on census microdata. All the Researchers and Students who would like to work on this Census Data are encouraged to contact NIT Tiruchirappalli for the same.

A “Skill Training Hub” at NIT Tiruchirappalli, a part of Pradhan Mantri Kaushal Vikas Yojana (PMKVY) 4.0 scheme have been implemented under National Skill Development Corporation (NSDC). So far the Hub has trained around 200+ candidates as Junior Software Developer, Office Assistant and Security Guard.

Ministry of Jal Shakti signed an agreement on 28th February 2024 with NIT Tiruchirappalli and IISc Bangalore for the condition assessment and management plan in Cauvery River Basin Management.

In order to nurture faculty, at the early stage of their career, the Ministry of Education has conceptualized faculty leadership development programme namely ‘Nurturing Future Leadership Program’, under the aegis of Malaviya Mission Teacher Training Programme (MMTTP). 4 of our faculty members have been trained at IITs and IIMs.

Office of Learning Support (OLS) has been created for providing student support and facilitator capacity building for students with specific learning disabilities like perceptual disabilities, Dyslexia, Dysgraphia, Dyscalculia, Dyspraxia, and Developmental Aphasia, when transitioning to Higher Education Institutions.

As a part of Town Official Language Implementation Committee (TOLIC) activities, two workshops were conducted. NIT Tiruchirappalli has been awarded THIRD PRIZE RAJBHASHA STAMBH, RAJBHASHA PATHAPRASARSHAK, RAJBHASHA KARAMAVEER in the year 2023 within Tiruchirappalli region.

As part of our Diamond Jubilee celebrations, the Teachers’ Day this year was celebrated with our emeritus faculty members who reminisced their time in NIT Tiruchirappalli with our new recruits. As a part of Amrit Kaal, Dr. P. Veeramuthuvel, Project Director of Chandrayaan-3, and our Alumnus, visited our campus on October 23, 2023 and delivered a guest lecture for the students. Ek Bharat Shrestha Bharat, My Language My signature campaign celebrating the birth anniversary of Mahakavi Subramania Bharatiyar was observed on 11th December 2023.

Indresh P, our final year undergraduate student from B. Tech in Computer Science and Engineering had the incredible opportunity to represent NIT Tiruchirappalli at the esteemed Singapore-India Hackathon 2023 and emerged as a Second prize winner.

I also take immense pride in congratulating the faculty and students of the Architecture department for their exceptional achievement in winning the ‘Le Corbusier’ trophy at the 65th annual convention of the National Association of Students of Architecture (NASA).

I am happy to state that 11 Ph.D. Scholars have been awarded PMRF in Cycle 11. The Institute has secured close to 1200 Placement offers in all so far which is about 75% placements overall. For the first time ever, 3 M.Sc Physics and 1 M.Sc Chemistry student have got offers from Intel with a CTC of Rs 27 lakhs per annum.

As part of our alumnus mission of giving back to the institute, RECAL scholarships to the tune of Rs. 39 Lakhs, were given to 114 students. 4000 saplings were planted on the campus, behind the boy's hostel, with the support of the alumni and the TN forest department. RECAL sponsored battery-operated vehicles (three-wheeler) were given to 02 of our differently abled students.

On 25th January 2024, the 1974 batch Golden Jubilee Reunion was celebrated on our campus. The 1974 batch of alumni contributed a total of Rs. 1.15 Crore during their reunion celebration. From the Class of 1974, Dr. Ram and Thaila Ramanujam Foundation of California, USA, has initiated grants for five student research projects/year for 10 years and two Scholarships for Women in Engineering who are first in their family to pursue higher education at our institute. This year five projects have already been awarded the grant.

The Third Batch of Business and Entrepreneurship for Engineers course which is an experiential and flipped classroom session envisioned and coordinated by the alumni team Mr. Baskar Subramanian and Mr. Shyam Ramamurthy of the 1984 batch Alumni, is successfully ongoing.

Our students Benament Paul, Jerald Jecinth, Murali Krishna, Raghav Bukkapatnam, Richard Sekar along with our alumni of the 1983 batch Mr. K. Ranjith and Mr. T. Suresh created a "Tankless Water Controller" (TWC) which is an effective water management system especially for villages that does away with the need for overhead tanks.

Our Honourable Prime Minister of India, Shri Narendra Modi Ji inaugurated 'AMETHYST' which is a four-storied, 1.2 Lakh Square Feet boys hostel. The EEE, ICE, Civil, Production, Mechanical and Metallurgical and Materials Engineering Annex buildings will create more space for growth and research.

We hosted the All India Inter NIT faculty and Staff cricket tournament. The tournament's opening ceremony was graced by the renowned and legendary boxer Shri V Devarajan, an Olympian and recipient of the Arjuna Award for Boxing. The All India Inter NIT Hockey and Cricket Tournaments was inaugurated by Mr. P Radha Krishnan Nair, Dronacharya Awardee and Chief Coach of the Indian National Athletics Team and Director of International Coaches. 27 NITs participated. In All India Inter NIT Tournaments, I am proud to say that we won First place in Badminton (Girls) and Overall championship in Power Lifting (Boys) and Athletics, with more laurels in athletics, chess, swimming, kabbadi and hockey.

I congratulate all the achievers, both faculty and students who will receive medals, awards and certificates today.

Ladies and gentlemen, we are part of the nation building mission. NIT Tiruchirappalli has the most talented pool of faculty and students who can strengthen the cause of the nation. Let us come together in this journey of securing a safe, strong and sustainable future. Let me also acknowledge the selfless work of every stakeholder and thank them for their commitment. The best road to progress is freedom's road. Let us join hands to endure on the road to success.

Jai Hind.

Dr.G.Aghila
Director
National Institute of Technology, Tiruchirappalli
May 2024

INSTITUTE ADMINISTRATION

| | |
|---|--------------------------------------|
| Director | Dr. G. Aghila |
| Dean (Faculty Welfare) | Dr. N. Kumaresan |
| Dean (Academic) | Dr. S. T. Ramesh |
| Dean (Students Welfare) | Dr. R. Karvembu |
| Dean (Institute Development & Alumni Relations) | Dr. G. Uma |
| Dean (Planning and Development) | Dr. K. Baskar |
| Dean (Research and Consultancy) | Dr. V. Sankaranarayanan |
| Registrar i/c | Dr. N. Thamaraiselvan |
| Chief Vigilance Officer | Dr. T. N. Janakiraman |
| Nodal Officer (SC, ST, OBC, PwD and Minorities) | 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. Michael Arock |
| HoD / Computer Science and Engineering | Dr. S. Mary Saira Bhanu |
| HoD / Electronics and Communication Engineering | Dr. M. Bhaskar |
| HoD / Electrical and Electronics Engineering | Dr. M. P. Selvan |
| HoD / Energy and Environment | Dr. Ruben Sudhakar D |
| HoD / Humanities and Social Sciences | Dr. R. Murugesan |
| HoD / Instrumentation and Control Engineering | Dr. K. Dhanalakshmi |
| HoD / Management Studies | Dr. B. Senthil Arasu |
| HoD / Mathematics | Dr. V. Kumaran |
| HoD / Mechanical Engineering | Dr. K. Pannirselvam |
| HoD / Metallurgical and Materials Engineering | Dr. S. Muthukumaran |
| HoD / Physics | Dr. R. Justin Joseyphus |
| HoD / Production Engineering | Dr. C. Sathiya Narayanan |
| HoD / Training Placement | Dr. A. K. Bakthavatsalam |
| HoD / Computer Support Group | Dr. N. Sivakumaran |
| Associate Dean (Faculty Welfare) | Dr. S. Marisamynathan |
| Associate Dean (Academic / UG - I) | Dr. Parthasarathy R |
| Associate Dean (Academic / UG - II) | Dr. G. Thavasi Raja |
| Associate Dean (Academic / PG) | Dr. R. Thilagavathy |
| Associate Dean (Academic / MS & Ph.D.) | Dr. Shelas Sathyan |
| Associate Dean (Academic) | Dr. R. Periyasamy |
| Associate Dean (Hostel Convener / Boys) | Dr. U. Srinivasulu Reddy |
| Associate Dean (OPAL Hostel / Girls) | Dr. Baby Viswambharan |
| Associate Dean (Students Welfare) | Dr. Jitraj Saha |
| Associate Dean (Planning and Development) | Dr. D. Kannamma |
| Associate Dean (Planning and Development) | Dr. Jeevan Joseph |
| Associate Dean (Planning and Development) | Dr. Karthik Thirumala |
| Associate Dean (Planning and Development) | Dr. D. Nagarajan |
| Associate Dean (Institute Development & Alumni Relations) | Dr. Shobitha Poulose |
| Associate Dean (Institute Development & Alumni Relations) | Dr. S. Nivethitha |
| Associate Dean (Research and Consultancy) | Dr. V. Mariappan |
| Associate Dean (Research and Consultancy) | Dr. Ing Prince Gideon Kubendran Amos |
| Associate Dean (Research and Consultancy) | Dr. N. Samsudeen |

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A REPORT ON ACHIEVEMENTS

BY

DEAN (ACADEMIC)

Esteemed Chief Guest, Dr. K. N. Satyanarayana, Director of the Indian Institute of Technology, Tirupati, Dr. G. Aghila, Director, distinguished Deans, Heads of Departments, Registrar-in-charge, esteemed faculty, esteemed alumni, dedicated staff, dear students, and guests of honour,

It is with great pleasure that I extend a warm welcome to each and every one of you to the Institute Day celebrations at the National Institute of Technology, Tiruchirappalli. Today, we gather here to celebrate Institute Day, an occasion designed to recall and showcase the exceptional contributions of NIT Tiruchirappalli.

I am pleased to report that our institution's commitment to academic and research excellence remains unwavering and has, in fact, reached unprecedented levels. I extend my sincere appreciation to all stakeholders whose tireless efforts ensure the promotion of high-quality education and scholarly pursuits on a global scale.

It brings me great pleasure to announce the commencement of our institution's Diamond Jubilee celebrations. A diverse array of events has been meticulously organized to honour this notable milestone. The festivities commenced with a grand inaugural ceremony, wherein esteemed former principals and directors of the institute were duly acknowledged for their invaluable contributions.

Presently, our institution is hosting a multitude of activities, including lectures, workshops, Faculty Development Programs (FDPs), and extramural lectures. These endeavours are specifically tailored to provide enriching learning experiences for all stakeholders involved.

Our institution is diligently following the principles outlined in the National Education Policy-2020 (NEP 2020). Building upon our well-established flexible curriculum, we are strategically positioned to integrate the most salient features of the policy. In accordance with the directives set forth in the NEP 2020, we have already implemented the inclusion of Tamil and German languages into our curriculum. Moreover, in the year 2024, NIT Tiruchirappalli will introduce a four-year integrated Bachelor of Education programme, titled Bachelor of Science in Mathematics, Physics, Chemistry, and Bachelor of Education. By adhering to the guidelines set forth by the National Education Policy 2020, our institution attempts to augment students' adaptability to global trends and challenges.

I am delighted to present to you the significant achievements and milestones attained by our institution and will begin with our 19th Convocation.

2023 Convocation

The Convocation for the graduating batch of 2023 took place on the 28th of July, 2023. Shri. Soumitra Bhattacharya, Former Managing Director of Bosch Ltd. and Regional President of Bosch Group in India, honoured the occasion as the Chief Guest and delivered an inspiring Convocation Address. A total of 2,155 students, comprising 1,134 undergraduates, were duly conferred with their respective degrees during this momentous ceremony.

Now let me bring to you the significant contributions made by faculty and students, categorized by departments

Department of Architecture

In the 2023 NIRF rankings, the Department secured the prestigious 4th position. Notably, the students of this department garnered acclaim by clinching the esteemed "Le Corbusier Trophy" at the 2023 NASA convention. Alongside 10 scholarly publications, 12 conference proceedings, the faculty of the department delivered a total of 23 lectures and spearheaded the inauguration of the Architalk lecture series.

Department of Chemical Engineering

The faculty members of the Department of Chemical Engineering have contributed significantly to scholarly discourse, with a remarkable publication record of 62 journal articles, amassing an impressive total of 4399 citations on Scopus alone. Complementing this academic achievement, the Department has authored 8 book chapters. Additionally, the department has demonstrated its competence in research by securing five sponsored projects, alongside a consultancy project worth 100 lakhs. Notable events hosted by the Department include the 38th National Convention of Chemical Engineers and the National Conference on the Digitization of the Chemical Process Industry.

Department of Chemistry

With a keen focus on expanding its global footprint, the Department of Chemistry has actively cultivated international research collaborations and facilitated an esteemed international internship programme. In the research arena, the department has successfully secured four sponsored projects, with an impressive sum of 112.5 lakh rupees. Furthermore, the Department has made significant contributions to the academic literature with a total of 85 journal articles published across various databases, resulting in the grant of one patent. Noteworthy among the accomplishments is the commendable performance of eleven M.Sc. students who have qualified for the GATE examination.

Department of Civil Engineering

A Memorandum of Agreement (MoA) was formalized between the Consortium of Institutes (IISC Bangalore and NIT Trichy), IIT Kanpur, and the National River Conservation Directorate, Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Government of India. This significant collaboration led to the establishment of cCAUVERY, the Centre for Condition Assessment and Management Plan (CAMP) for the Cauvery River basin. The Department's scholarly achievements include the publication of 94 journal articles, accompanied by an impressive citation count of 2780 on Scopus. Additionally, the faculty members of the department have authored 6 books and 18 chapters. In the area of research and development, the department has successfully executed 8 sponsored projects, securing a substantial sum of 820.90 lakhs, and provided consultancy services amounting to 348.96 lakhs through 105 projects. Demonstrating a commitment to innovation, the department has obtained 2 patents, with 2 already published and 3 filed for approval.

Department of Computer Applications

As part of the Diamond Jubilee celebrations, the Department of Computer Applications is hosting a week-long online Faculty Development Program (FDP) entitled "Pioneering the Future of Blockchain Technology." Additionally, the department has successfully secured three sponsored projects, amounting to a cumulative sum of five lakhs, while also offering consultancy services. Significant achievements include the acquisition of three patents, with one already published and another awaiting approval. The faculty of the department delivered a commendable total of forty-five lectures.

Department of Computer Science Engineering

The Department of Computer Science Engineering has showcased its research competency with the publication of 83 papers in reputed journals and 38 presentations in international conferences. Additionally, the department organized VORTEX, a technical symposium, demonstrating its commitment to academic excellence and knowledge dissemination. Furthermore, the department has secured a total of 5 sponsored projects worth of 113.24 lakhs and one consultancy project valued at 6.08 lakhs.

Department of Electrical and Electronics Engineering

A milestone for the Department of Electrical and Electronics Engineering was marked by the inauguration of two Karyashalas, SERB-sponsored workshops. The department has made substantial contributions to scholarly discourse, with the publication of 79 journal articles, 05 books, and 05 book chapters. Supported by four sponsored projects worth of 116 lakhs and providing consultancy services through three projects, amounting to 17.22 lakhs, the department underscores its commitment to impactful research. Significant achievements include securing nine patents, alongside the delivery of 54 guest lectures by the esteemed faculty.

Department of Electronics and Communications Engineering

The Department of Electronics and Communications Engineering has demonstrated a robust scholarly output, with a notable total of 61 journal articles published across various databases. Additionally, the department has authored one book and 17 book chapters. Further exemplifying its commitment to research and academic excellence, the department has successfully secured seven sponsored projects, totalling 428.1 lakhs. The department graduated 10 Ph.D. students, which is a testament to its dedication to nurturing research practices.

Department of Energy and Environment

The Department of Energy and Environment has made notable strides with publication of 19 journal articles, gathering a significant citation score of 206 on Scopus. The department has also actively pursued sponsored projects valued at 28.30 lakhs. As part of its commitment to knowledge dissemination and skill enhancement, the department organized a Karyashala workshop titled "Carbon Mitigation Techniques Using Advanced Coal Cycles, MSW, and Other Biomass Resources."

Department of Humanities and Social Sciences

As part of the Diamond Jubilee celebrations of the institute, the Department of Humanities and Social Sciences organised a one-week International Faculty Development Programme titled "Reading and Researching the Literature of Crisis" in collaboration with the UNESCO Chair in Vulnerability Studies, the University of Hyderabad, highlighting its commitment to interdisciplinary engagement. The Department has also organised a National Level FDP on Children's Literature in the year 2023. The Department contributes to NCERT's National Syllabus and Teaching-Learning Material Committee's (NSTC) Curricular Area Group (Languages) to develop Syllabi and corresponding textbooks for Grades 6-12 for NEP 2020 implementation at secondary level directly under the aegis of The Ministry of Education, Government of India. Faculty members of the department have contributed significantly to academic discourse, with a total of 78 journal articles published, including 14 in SCI and 64 in Scopus indexed journals. Additionally, the department has secured 3 projects and has published 7 book chapters. The faculty's dedication to knowledge dissemination is further evidenced by the delivery of 44 guest lectures. Furthermore, the department graduated 8 Ph.D. scholars and organized engaging events such as Cosplay, Literary Quiz, Debate, and Game Night through the English Association.

Department of Instrumentation and Control Engineering

The faculty members of the Department of Instrumentation and Control Engineering (ICE) have made notable scholarly contributions, evidenced by the publication of **31** journal articles, which have collectively garnered 463 citations. Moreover, the department has actively engaged in both national and international arenas by organizing and participating in workshops and technical events, contributing 13 and 14 presentations, respectively. Additionally, the faculty members' innovative endeavours have resulted in the acquisition of 8 patents. Furthermore, the department has secured sponsorship for 2 projects worth of 48.56 lakhs and provided consultancy services, generating revenue of 85 lakhs.

Department of Management Studies

The Department of Management Studies has demonstrated robust research activities, evidenced by the publication of 40 journal articles indexed in Scopus and 15 in SCI journals. Additionally, the department has organized 1 workshop and published two books, further strengthening its academic contributions. Important achievements include the successful securing of funding for 2 sponsored projects and the facilitation of 6 guest lectures, alongside the organization of 20 others. With 13 Ph.D. graduations, both full-time and part-time, the department underscores its commitment to research excellence and academic advancement.

Department of Mathematics

The Department of Mathematics has received funding from DST – FIST, marking a notable stride in its development. With a scholarly output comprising 11 SCI and 21 SCIE journal articles, alongside 24 publications indexed in Scopus, the department has made substantial contributions to academia. Notably, the department has been awarded one sponsored project and graduated 10 Ph.D. students.

Department of Mechanical Engineering

For the seventh consecutive year, the Department of Mechanical Engineering has maintained its esteemed position within the top 451-500 of QS-subject rankings. Moreover, the B.Tech. programme has received NBA accreditation for five years, reaffirming its commitment to academic excellence. The department's dedication to innovation is evident through the acquisition of 16 patents, with 6 already published and 2 filed for consideration. Additionally, the department has successfully secured four sponsored projects, amounting to 84.85 lakhs rupees. The department has successfully organised the SERB funded high-end workshop on Advanced Combustion Technologies for Hydrogen Based Fuels.

Department of Metallurgical and Materials Engineering

The Department of Metallurgical and Materials Engineering has demonstrated prolific scholarly output, evidenced by the publication of 47 journal articles indexed in Scopus, with an additional 34 in SCI/SCIE journals, with a fascinating total of 1805 research citations. Furthermore, the department has made significant advancements in sponsored projects and consultancy, securing 2 projects amounting to 92.24 lakhs. As evidence of the department's strive for innovation, they have been granted 3 patents. Additionally, the department graduated nine Ph.D. scholars, highlighting their commitment to nurturing academic excellence and research proficiency.

Department of Physics

The Department of Physics has made significant contributions to scholarly literature, with a total of 60 SCI journal articles, 33 SCIE publications, and 138 papers indexed in Scopus. The department has amassed a notable citation count of 4900 within Scopus. Moreover, the department had the honour of hosting a talk by Bhatnagar awardee Prof. M. Lakshmanan at the Department symposium. The department was granted two patents, further enhancing the reputation for innovation and scholarly excellence.

Department of Production Engineering

The Department of Production Engineering has demonstrated a commitment to scholarly excellence, with a total of 131 journal articles garnering 5206 citations on Scopus. Furthermore, the department has undertaken six sponsored projects, amounting to 386.46 lakhs, further strengthening its research endeavours. Noteworthy achievements include the graduation of 14 Ph.D. scholars, ensuring a continuous flow of expertise and innovation. Moreover, the department organized a SERB Sponsored one-week high-end workshop, facilitating knowledge dissemination and skill enhancement among its academic community.

Training and Placement

The Training and Placement office at the Institute has achieved commendable success, with an impressive placement rate of 85% among registered students as of April 2024. Additionally, the office has made strides in innovation, with the publication of 2 patents. Furthering its commitment to student career development, the Training and Placement office conducted a 3-day student-focused, industry-driven career preparation workshop titled "Aikyam," providing invaluable insights and guidance for future career endeavours for the students of the institute.

The Honourable Prime Minister of India, Shri. Narendra Modi Ji inaugurated the AMETHYST hostel and it was indeed a proud moment for the NIT Trichy community. Additionally, our institute had the privilege of hosting Dr. Veeramuthuvel, a prominent figure in India's lunar mission initiatives. Dr. P. Veeramuthuvel, a distinguished scientist who obtained his Master's degree in Production Engineering from NIT Tiruchirappalli, shared invaluable insights into the Chandrayaan-3 mission, enlightening the student community.

Our cultural festival, Festember, and our ISO-certified technical festival, Pragyan, were celebrated with customary fervour and enthusiasm. Festember, themed "Kyoto Chronicles" this year, featured esteemed guests including Aadhi and Jeeva of Hip Hop Tamizha, playback singer Madhusree, Divine Miss Earth India 2019 Tejaswini Manogna, Anil Srinivasan, Gaurav Juyal, Julia Bliss DJ, and Neeti Mohan. Similarly, Pragyan boasted an acclaimed line-up of guest lectures by distinguished personalities such as Richard Robert, a 1993 Nobel Laureate in Physiology; Shreya Dasgupta, Director of Analog Devices; Scott Augenbaum, a former FBI agent and cybercrime prevention trainer; Arsh Ali, India's youngest archaeologist; and Seshasayee Kanthamraju, Chief Executive Officer at Ramoji Film City, among others.

Our club, SCIEnT, epitomizes the spirit of innovation, providing a dynamic platform for individuals to materialize their ideas into tangible prototypes. SCIEnT has organized noteworthy events including Genesis'23, Open Day, and the annual SCIEnT Day, fostering a culture of creativity and entrepreneurship among students.

The notable achievements of NIT Tiruchirappalli across various inter-NIT tournaments reflect the institution's unwavering commitment to sporting excellence. Mr. P. Radha Krishnan Nair, recipient of the Dronacharya Award, inaugurated the All India Inter NIT Hockey and Cricket Tournaments 2024 at NIT Tiruchirappalli, setting the stage for a display of sporting excellence. With a contingent comprising 61 athletes, our institution emerged as the overall champion of the tournament, clinching an impressive haul of 9 gold medals, 7 silver medals, and 2 bronze medals at The All India Inter NIT Athletics and Kho-Kho Tournament hosted by NIT Warangal. Additionally, NIT Trichy secured the 2nd position in both the Women's and Men's categories at the All India Inter NIT Swimming Tournament hosted by NIT Rourkela, further solidifying our reputation as a powerhouse in sports.

International Women's Day was commemorated with a series of events aimed at honouring and empowering women. The festivities included cultural performances and insightful lectures. In line with our steadfast commitment to promoting women's economic empowerment and skill development, a five-day workshop titled "Empowering Women in Business: Strategies for Sourcing, Packaging, Marketing, Safety, and Certification" was organized, providing valuable opportunities for growth and learning.

The successful culmination of the 75-day-long Bhartiya Bhasha Utsav, culminating in the celebration of the esteemed poet, Mahakavi Subramania Bharati, stands as a testament to our dedication to fostering cultural appreciation and literary excellence.

The interdepartmental cultural fiesta NITTFEST was also celebrated with verve and enthusiasm. Several guest lectures, cultural shows and competition events were organised by our students.

In closing, I extend hearty congratulations to all the faculty members and students who will be honoured with medals and awards today. I express sincere gratitude to each and every one of you for your unwavering contributions in making the past year a remarkable one for NIT Tiruchirappalli. With the steadfast leadership of our Director, I am confident that NIT Tiruchirappalli will continue to advance significantly. Let us join hands in our collective endeavour to make NIT Tiruchirappalli a distinguished global centre of learning.

Thank you!

Jai Hind!

Dean (Academic)




Dr. S. T. Ramesh

ACCOLADES 2023

- **India Rankings 2023 by NIRF- National Institutional Ranking Framework**

NIT Tiruchirappalli has been ranked first among all the NITs and 9th among all the technical institutes, 21st Among all Higher education institutes, 22rd in Research Category, 35th in Management, 4th Best in Architecture in the country by the NIRF 2023 ranking system.

NIRF Task Force co-ordinated to achieve the recognition.

|    | |
|--|-----------|
| 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 Roorkee | 5 |
| Indian Institute of Technology Kharagpur | 6 |
| Indian Institute of Technology Guwahati | 7 |
| Indian Institute of Technology Hyderabad | 8 |
| National Institute of Technology Tiruchirappalli | 9 |
| Jadavpur University, Kolkata | 10 |

QS RANKINGS

#781-790 : QS World University Ranking

#821-840 : QS Sustainability Ranking

#=73 Asian University Rankings - Southern Asia

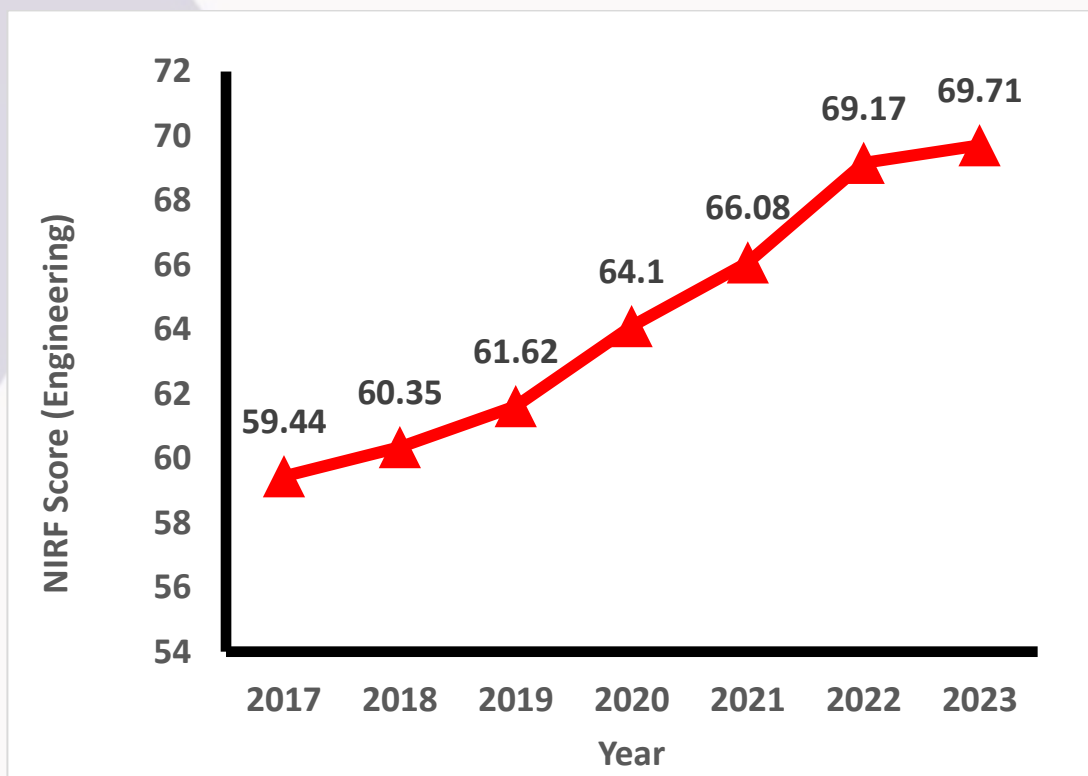
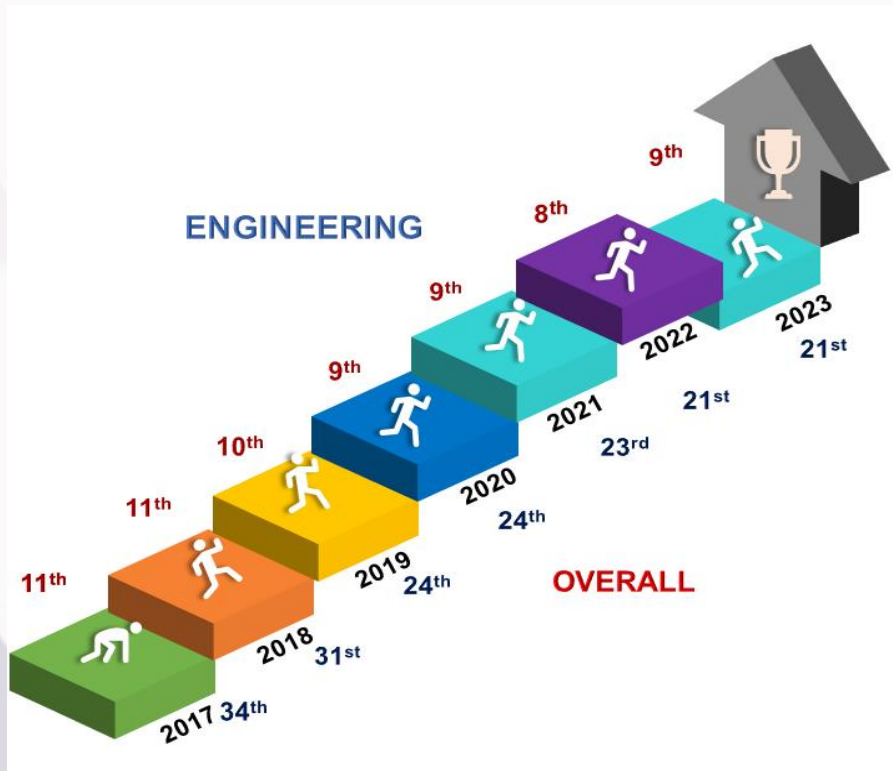
QS World University Rankings by Subject

#451 – 500 : Engineering- Mechanical and Manufacturing: Departments of Mechanical and Production Engineering contributed to achieve this recognition.

#451 – 500 : Engineering- Electrical and Electronic: Department of Electrical and Electronics Engineering contributed to achieve this recognition.

QS Ranking Team and Data Insight Office co-ordinated to achieve the recognition.

NIRF Ranking / Engineering & Overall



NIRF Score (Engineering)

PERFORMANCE OF THE INSTITUTE

Scholarly Output, Book Chapters and Conference Proceedings indexed in Scopus Database: CY: 2023

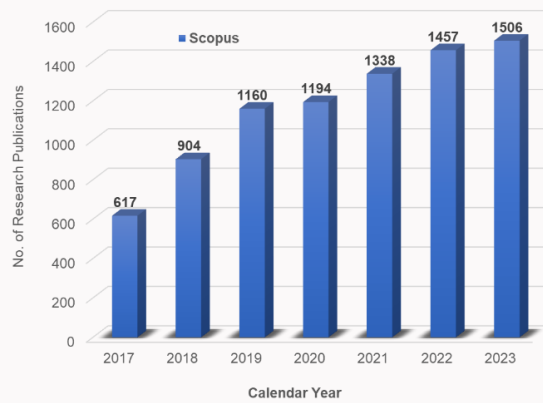
| S. No. | Name of the Department | Scholarly Output | Articles and Reviews | Books and book chapters | Conference papers |
|--------|---|------------------|----------------------|-------------------------|-------------------|
| 1. | Architecture | 13 | 10 | - | 3 |
| 2. | Chemical Engineering | 57 | 46 | 8 | 2 |
| 3. | Chemistry | 89 | 85 | 3 | - |
| 4. | Civil Engineering | 136 | 94 | 5 | 32 |
| 5. | Computer Applications | 97 | 54 | 7 | 34 |
| 6. | Computer Science Engineering | 119 | 62 | 1 | 54 |
| 7. | Electrical and Electronics Engineering | 108 | 67 | 3 | 37 |
| 8. | Electronics and Communication Engineering | 133 | 60 | 18 | 51 |
| 9. | Energy and Environment | 12 | 11 | 1 | - |
| 10. | Humanities and Social Sciences | 39 | 30 | 2 | 1 |
| 11. | Instrumentation and Control Engineering | 42 | 27 | - | 15 |
| 12. | Management studies | 37 | 34 | 2 | - |
| 13. | Mathematics | 57 | 54 | - | 2 |
| 14. | Mechanical engineering | 81 | 72 | 3 | 2 |
| 15. | Metallurgical and Materials Engineering | 40 | 35 | 2 | 1 |
| 16. | Physics | 64 | 59 | 2 | 2 |
| 17. | Production Engineering | 93 | 75 | 11 | 7 |

Publications in Journal Quartiles: CY:2023

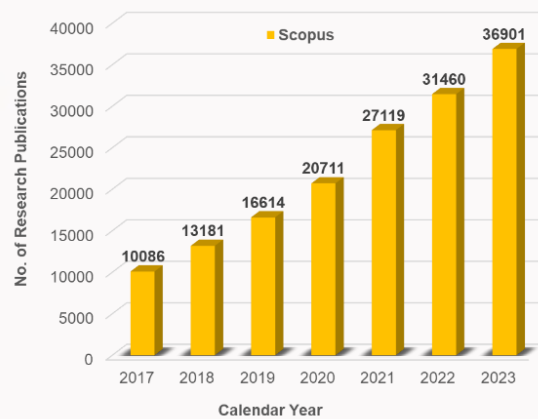
| S. No. | Name of the Department | Publications | | | |
|--------|---|--------------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 |
| 1. | Architecture | 6 | 2 | 0 | 3 |
| 2. | Chemical Engineering | 19 | 15 | 8 | 5 |
| 3. | Chemistry | 46 | 27 | 12 | 1 |
| 4. | Civil Engineering | 38 | 39 | 12 | 36 |
| 5. | Computer Applications | 25 | 13 | 12 | 14 |
| 6. | Computer Science Engineering | 19 | 24 | 23 | 26 |
| 7. | Electrical and Electronics Engineering | 24 | 22 | 15 | 11 |
| 8. | Electronics and Communication Engineering | 5 | 37 | 17 | 25 |
| 9. | Energy and Environment | 6 | 3 | 2 | 0 |
| 10. | Humanities and Social Sciences | 21 | 8 | 5 | 1 |
| 11. | Instrumentation and Control Engineering | 10 | 12 | 3 | 2 |
| 12. | Management Studies | 21 | 9 | 3 | 2 |
| 13. | Mathematics | 23 | 20 | 10 | 1 |
| 14. | Mechanical Engineering | 24 | 40 | 10 | 5 |
| 15. | Metallurgical and Materials Engineering | 10 | 22 | 5 | 0 |
| 16. | Physics | 17 | 28 | 11 | 2 |
| 17. | Production Engineering | 24 | 36 | 12 | 11 |

(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.

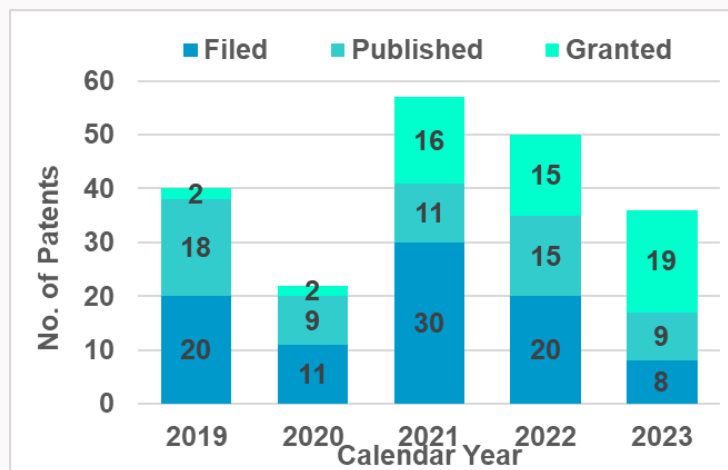
PUBLICATIONS



CITATIONS



PATENTS



PATENTS GRANTED: CY: 2023

| S. No. | Title of the Invention | Inventors | Department |
|--------|--|--|--|
| 1. | Waste Disposal System | Azhagu Uthayakumar, Muniyappan Dineshkumar, R. Gopi, Ramanathan Anand | Mechanical Engineering |
| 2. | An Active Balancing Method with Built-In Equalization for Series-Connected Ultracapacitors | Chandrasekar Venkatesan, Chilakapati Nagamani | Electrical and Electronics Engineering |
| 3. | Friction Welding of Tube to Tube Using a Guide Tool | Dr. S. Muthukumaran | Metallurgical and Materials Engineering |
| 4. | A Novel Pcm Based Window for Improving IAQ in Split Ac Built Space | A. K.Bakthavatsalam, P. Dhamodharan | Energy and Environment |
| 5. | Shape Compliant Robotic Gripper and Method Thereof | D R. Dhanalakshmi K, Nalini D., Balasubramanian Ram, Anand Asokan | Instrumentation and Control Engineering |
| 6. | System And Method for Efficient Energy Extraction from An Existing Solar PV System | Dr. Sishaj P. Simon | Electrical and Electronics Engineering |
| 7. | Logic Encryption Decryption System for Protecting Hardware Circuits and Method Thereof | Dr. N. Ramasubramanian, Manjith B.C. | Computer Science and Engineering |

| | | | |
|-----|--|--|---|
| 8. | Dual-Generation MIMO Antenna with Db-BPF Characteristics For 4g and 5g BTS Applications and Method Thereof | Dr. Sriram Kumar D, Roja Vadlamudi | Electronics and Communication Engineering |
| 9. | Membrane Free Cylindrical Capacitive Deionization (CDI) System for The Brackish Water Treatment | Meera Sheriffa Begum Kadhar Mohammed, Samsudeen Naina Mohammed, Vigneshhwaran Ganesan | Chemical Engineering |
| 10. | Electrical Conductivity Enhancement of Low Conductivity Fuels by Nano Additives | Dr. S. P. Sivapirakasam, S. Nandakumar, Dr. J. Hemalatha, Dr. V. Anbazhagan | Mechanical Engineering, Physics |
| 11. | Bio-Oil from Cassia Fistula Seed Pods and Method Thereof | Dineshkumar Muniyappan, Hrishikesh Babasaheb Gaikwad, Anand Ramanathan | Mechanical Engineering |
| 12. | Surface Renewal Photobioreactor | Dr. Premalatha M, Vasumathi K K, Subramanian P | Energy and Environment |
| 13. | A Process for High-Grade Transportation Fuel Production from Non-Woven Fabric Waste | Uthayakumar Azhagu, Dineshkumar M, Anand Ramanathan, | Mechanical Engineering |
| 14. | A System and A Method for Extracting Maximum Power in Thermoelectric Generators | Bepinkumar Bijukumar, Manickam Chakkarapan, Ganesan Saravana Ilango, Chilakapati Nagamani, Kannan Srinivasan | Electrical and Electronics Engineering |

| | | | |
|-----|---|---|--|
| 15. | Cavity Based Frequency Selective Linear-To-Circular Polarizing C-Sandwich Airborne RADOME for Strategic Application | Dr. Varikuntla Krushna Kanth, Dr. Singaravelu Raghavan | Electronics and Communication Engineering |
| 16. | Forced Cooling Friction Stir Welding Tool and Method Thereof | Muthukumaran Shanmugam, Dinesh Kumar Rajendran | Metallurgical and Materials Engineering |
| 17. | Gas Sensor Based on Nanowires and Carbon Nanotubes Heterostructure | L.R.Shobin, S.Manivannan | Physics |
| 18. | Novel Reaction Chamber for Collection of Decomposition Residues of Pyrotechnic Compositions and Method Thereof | Dr. S.P. Sivapirakasam, K. Harisivasri Phanindra | Mechanical Engineering |
| 19. | Thermomagnetic Temperature Indicator and Method Thereof | Dr. R. Justin Joseyphus, Mr. G. Antilen Jacob | Physics |

PATENTS PUBLISHED: CY: 2023

| S. No. | Title of the Invention | Inventors | Department |
|--------|--|--|---|
| 1. | A System to Assess Particulate Matter Deposition in a Respiratory System | S. P. Sivapirakasam, K. R. Balasubramanian, Sreejith Mohan, S. Venkatesh, K. Suresh Babu, G. Jeyabalaganesh, M. Rahul | Mechanical Engineering |
| 2. | A System for Regenerating Airflow Through a Temperature-Controlled Storage Device | Ayalur Bakthavatsalam Kannappan, Harikumar Hareesh Krishnan, Meenakshi Priyadarsini, Kuzhikadan Ashin kunnathu | Energy and Environment |
| 3. | Wind Tower having a Solar Heating Unit | Ayalur Bakthavatsalam Kannappan, Adhil Muhammed Salim, Harikumar Hareesh Krishnan, Meenakshi Priyadarsini, Kuzhikadan Ashin Kunnathu | Energy and Environment |
| 4. | A Device for Measurement of Bilirubin Concentration in Neonates and Method Thereof | Dr.R.Periyasamy, K.Vignesh Kumar | Instrumentation and Control Engineering |

| | | | |
|-----|---|--|--|
| 5. | A Device for Measuring Shrinkage Stress in Soil and a Method Thereof | Prasanna Venkatesh, Joseph Jeevan, P. Gayathri | Civil Engineering |
| 6. | A Cutting Tool with Hard-faced Satellite | Sirukalathur Kaliyaperumal Selvam, Arasappan Rajesh Kannan, Krishnasamy Sankaranarayananasamy, Nallathambi Siva Shanmugam | Mechanical Engineering |
| 7. | An Improved Method for Recycling Electronic Plastics Waste using Bi-Metal Doped Catalyst | Ramanathan Anand, Muniyappan Dineshkumar, Azhagu Uthayakumar | Mechanical Engineering |
| 8. | A Testing System for Performing Vibro-Acoustic Analysis Testing of a Test Component | R. Prakash, A. R. Veerappan, R Kiran Kumar Reddy, Pankaj Chaupa Nivish George | Mechanical Engineering |
| 9. | Flexible Heat Transfer Apparatus | Jaganathan V. M., Kannan P., Suresh S., Khati Manish | Energy and Environment & Mechanical Engineering |
| 10. | A Process for The Preparation of Organic Phase Change Material from Thin Film Plastic Waste | Ramanathan Anand, Muniyappan Dineshkumar, Azhagu Uthayakumar | Mechanical Engineering |
| 11. | ESIPT Based Fluorescent Turn-On Probe for Rapid Phosgene Detection with Strip based Practical Application | Vijay Natarajan, Wu Shu Pao, Velmathi Sivan | Chemistry |
| 12. | A Design Method for a Life Enhanced Solar Photovoltaic Panel Mounted Converter System | Chandrasekar Venkatesan, Chilakapati Nagamani | Electrical and Electronics Engineering |

DETAILS OF SPONSORED PROJECTS: FY: 2023-24

| S. No. | Name of PI/Co-PI | Department | Title of the Project | Funding Agency | Sanctioned amount (Rs.) | Sanctioned Date |
|--------|--|----------------------------------|--|---------------------------|-------------------------|-----------------|
| 1 | Dr. M. Sridevi Co-PI: Dr. Rajeswari Sridhar | Computer Science and Engineering | Interactive Virtual Surgery Training Agent | IIT Mandi iHub Foundation | 17,32,500 | 11-04-2023 |
| 2 | Dr. R. Senthilkumar | Civil Engineering | Emerging Alternative Construction Technology for the Affordable Lightweight Housing in Seismic Prone Areas | SERB | 20,33,900 | 14-06-2023 |
| 3 | Dr. K. N. Sheeba | Chemical Engineering | Development of Smart Foods, Bio-Composites, Green Packaging and Bio-Energy from Agro-Residues | ICAR NASF | 6,76,315 | 17-05-2023 |
| 4 | Dr. Arthanareeswaran | Chemical Engineering | Fabrication of Multibore Hollow Fiber Ultrafiltration and Nanofiltration Membranes enabled by Nanostructured Nanomaterials for Water Treatment | DST/PFMS | 15,13,680 | 03-07-2023 |
| 5 | Dr. V. Sunitha | Civil Engineering | Laboratory and Field Performance Investigation of Rural Roads Stabilised with RBI Grade-81 | NRRDA | 26,14,000 | 01-09-2023 |
| 6 | Dr. Muthukkumaran K | Civil Engineering | Soil-Monopile-Wave Interaction Study for Monopile Supported Offshore Wind Turbine | SPARC - PFMS | 45,13,610 | 28-07-2023 |

| | | | | | | |
|----|---|---|--|--------------|-----------|------------|
| 7 | Dr. S.Velmathi Co-PI: Dr. A. Chandra Bose | Chemistry | Novel Technology for Residual Methane Abatement in Automotive Applications | SPARC | 41,36,120 | 28-07-2023 |
| 8 | Dr. Nivethitha S Co-PI: Dr. Gangadharan G. R. | Management Studies | Role of HRM Practices, Psychological Contract and Socioeconomic Factors in Gig Economy | SPARC - PFMS | 41,02,320 | 28-07-2023 |
| 9 | Dr. Kunwar Singh | Computer Science and Engineering | Privacy Preserving and Secure Blockchain Technology and its Applications in Financial Sector | SPARC - PFMS | 49,15,144 | 28-07-2023 |
| 10 | Dr. R. Prakash Co-PI: Dr.G.Rajasekaran | Mechanical Engineering | Low Impact Damage Detection in Composite Plate using Modal Data and Shear jet Analysis | DEFENCE | 17,18,550 | 06-09-2023 |
| 11 | Dr. K. Muthukkumaran | Civil Engineering | Innovative and Environment Friendly Ground Improvement Technique for Mitigate Seismic Soil Liquefaction Risk | SERB | 35,73,900 | 11-09-2023 |
| 12 | Dr. Illa Mani Pujitha | Metallurgical and Materials Engineering | Fabrication of NASICON-structured Flexible Nanofibrous Electrolyte Sheets for All-Solid-State Sodium-Ion Batteries | SERB | 31,68,600 | 06-10-2023 |
| 13 | Dr. Deepak Deelip Patil | Production Engineering | Micro-nano structured urinary catheters to minimize catheter-associated urinary tract infections (CAUTI) | STARS - PFMS | 73,62,400 | 26-09-2023 |

| | | | | | | |
|----|--|--|---|--------------|-----------|------------|
| 14 | Dr. M. Duraiselvam | Production Engineering | Improvement of Thermo-Mechanical Properties of Aero-Turbine Blades through 3D Printed Auxetic Structures | DST - PFMS | 45,87,668 | 20-11-2023 |
| 15 | Dr. S. Suresh | Mechanical Engineering | Advanced Thermal Insulation System Comprising of Nano Lignin Core Vacuum Insulation Panels (VIPs) and Micro Encapsulated Phase Change Materials (MEPCM) | SPARC - PFMS | 38,55,740 | 28-07-2023 |
| 16 | Dr. K. Muthukkumaran | Civil Engineering | Municipal solid waste (soil like materials) and geotextile interaction study for pavement subgrade and embankment application in soft ground | MoT-NTTM | 30,00,000 | 17-07-2023 |
| 17 | Dr. C. Mala | Computer Science and Engineering | Development of Engine Performance Monitoring Module using Machine Learning Techniques | DRDO | 15,43,100 | 12-12-2023 |
| 18 | Dr. M. Venkatakirthiga Co-PI: Dr. P. Raja | Electrical and Electronics Engineering | Intelligent Controller for Electric Vehicle Charging through Wind Energy Conversion Systems | SPARC - PFMS | 48,17,740 | 28-07-2023 |
| 19 | Dr. V. K. Karthika | Humanities and Social Sciences | Tribal Freedom Fighters of Wayanad | ICSSR | 5,00,000 | 22-08-2023 |
| 20 | Dr. Arivazhagan C | Chemistry | Chiral Donor/Acceptor Decorated Multi-Resonance Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Narrowband Circularly Polarized Luminescence | SERB | 33,00,000 | 26-10-2023 |

| | | | | | | |
|----|--|---|---|------|-----------|------------|
| 21 | Dr. Kirubakaran J | Management Studies | Ministry of Skill Development and Entrepreneurship (Pradhan Mantri Kaushal Vikas Yojna (PMKVY 4.0) - SKILLHUB | NSDC | 7,50,000 | 15-03-2023 |
| 22 | Dr. Varun Gopi Co-PI: Dr. G. Lakshminarayanan and Dr. Bivin Francis | Electronics and Communication Engineering | Ultra-Low Power SHAKTI RISC V based Lightweight Edge AI Processor for IoT enabled Healthcare Application | | 96,00,000 | 15-01-2024 |
| 23 | Dr. Varun Gopi | Electronics and Communication Engineering | Automated Segmentation and Analysis of Neonatal and Infant Brain Magnetic Resonance Images | SERB | 22,93,348 | 05-01-2024 |
| 24 | Dr. S.Jaya Nirmala | Computer Science and Engineering | Predictive Coding for Identification of Ratio Decidendi in Indian Judicial Decisions | SERB | 24,98,771 | 18-01-2024 |
| 25 | Dr. S. S. Karthikeyan | Electronics and Communication Engineering | "Design and Development of Fluidically Reconfigurable Devices using 3D Printing Technology for Future Millimetre Wave / 6G Applications | SERB | 29,47,472 | 18-01-2024 |
| 26 | Dr. S. Deivalakshmi | Electronics and Communication Engineering | Deep Learning based Hyperspectral Image Super Resolution of Cultural Heritage Analysis | SERB | 16,89,456 | 25-01-2024 |
| 27 | Dr. P. A. Karthick | Instrumentation and Control Engineering | Development of Physics Informed Machine Learning Models for the Prediction of Fatigue in Calf Muscles | SERB | 17,75,400 | 18-01-2024 |

| | | | | | | |
|----|--|---|--|-------------------------|-------------|------------|
| 28 | Dr. P. A. Karthick | Instrumentation and Control Engineering | Development of Novel Multimodal Fatigue Scoring System for Improving Neck and Cervical Spine Health | SERB | 16,76,400 | 23-01-2024 |
| 29 | Dr. R. Prakash | Mechanical Engineering | Nonlocal and Nonlinear Vibration analysis of Functionally Graded Cracked Euler-Bernoulli Nanobeam | SERB | 6,60,000 | 01-02-2024 |
| 30 | Dr. Sudharsan Parthasarathy | Electronics and Communication Engineering | Stochastic Geometry Analysis of Vehicular Communication Networks | SERB | 6,60,000 | 05-02-2024 |
| 31 | Dr. V. M. Jaganathan | Energy and Environment | Design Development and Testing of 2.5 kg/h Capacity Menstrual Pad Incineration System | MEDICARE ENVIRO SYSTEMS | 8,61,300 | 21-09-2023 |
| 32 | Dr. K. Baskar | Civil Engineering | Study on the Behaviour of Double Skinned Steel-Concrete Composite Panel (DSCP) under Bullet Impact towards Developing Safety Shelters for Military Personnel | SERB | 36,54,189 | 23-02-2024 |
| 33 | Dr. Nisha Radhakrishnan Dr. S. Saravanan Dr. R. Manjula Dr. Aneesh Mathew | Civil Engineering | Studies on Condition Assessment & Management Plan (CAMP) for Cauvery River Basin under National River Conservation Plan | NRCD | 6,27,00,000 | 26-02-2024 |

INSTITUTE DAY 2024 / AWARDS

BEST PERFORMER (FACULTY)

| S. No. | Name of the Faculty | Designation | Department |
|--------|--------------------------|---------------------|---|
| 1. | Dr. K. Muthukkumaran | Professor | Civil Engineering |
| 2. | Dr. Nisha Radhakrishnan | Associate Professor | Civil Engineering |
| 3. | Dr. Sambandam Anandan | Professor | Chemistry |
| 4. | Dr. K. Baskar | Professor | Civil Engineering |
| 5. | Dr. Sathyaraj Venkatesan | Professor | Humanities and Social Sciences |
| 6. | Dr. Aneesh Mathew | Assistant Professor | Civil Engineering |
| 7. | Dr. G. Lakshminarayanan | Professor | Electronics and Communication Engineering |
| 8. | Dr. P. A. Karthick | Assistant Professor | Instrumentation and Control Engineering |
| 9. | Dr. R. Anand | Professor | Mechanical Engineering |
| 10. | Dr. E. S. Gopi | Professor | Electronics and Communication Engineering |
| 11. | Dr. S. Velmathi | Professor | Chemistry |

BUDDING RESEARCHER AWARD

| S. No. | Name | Roll Number | Department |
|--------|---------------------------------|-------------|---|
| 1. | Reshma Sheik | 406321004 | Computer Science and Engineering |
| 2. | Mettu Goutham Reddy | 408121004 | Electronics and Communication Engineering |
| 3. | Vadlamudi Roja | 408119016 | Electronics and Communication Engineering |
| 4. | Balamurugan R | 413119004 | Physics |
| 5. | Saravanan G | 403121005 | Civil Engineering |
| 6. | Vishnunarayanan Namboothiri V P | 404119006 | Chemistry |
| 7. | Kalidass J | 402118052 | Chemical Engineering |
| 8. | Sandhya P | 402120004 | Chemical Engineering |
| 9. | Uthayakumar A | 411119009 | Mechanical Engineering |
| 10. | Gopi R | 411119003 | Mechanical Engineering |
| 11. | Nagireddy Masthan Reddy | 403120004 | Civil Engineering |
| 12. | G Citybabu | 415120051 | Management Studies |
| 13. | Athul S R | 413119003 | Physics |
| 14. | Bhuvanaskumar. A | 415119002 | Management Studies |

BEST DEPARTMENTS (AY: 2023-24)

| Discipline | Department |
|-------------------------------------|--|
| Engineering Discipline: | Electrical and Electronics Engineering |
| Non- Engineering Discipline: | Chemistry |

RANK HOLDERS (B.Tech. and B.Arch.)

B.Tech. / CHEMICAL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2019 | 1 | 102119059 | RAAVI NAAGA VAMSI | 9.57 |
| 2019 | 2 | 102119067 | SANKALP DIXIT | 9.56 |
| 2019 | 3 | 102119026 | HARSHIDAA S NAIR | 9.52 |
| 2020 | 1 | 102120029 | DIVYADHARSHINI D S | 9.59 |
| 2020 | 2 | 102120087 | VUPPALA V S KAMALESWAR | 9.33 |
| 2020 | 3 | 102120022 | BAVISHI JAINA KETANKUMAR | 9.23 |
| 2021 | 1 | 102121037 | PRITHIKA ROY | 9.45 |
| 2021 | 2 | 102121004 | ADARSH GUPTA | 9.31 |
| 2021 | 3 | 102121032 | NANTHA BALAN M | 9.12 |

B.Tech. / CIVIL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2019 | 1 | 103119027 | DEVI SATVIKA TIRUVAIPATI | 9.89 |
| 2019 | 2 | 103119004 | ABHISHEK VIJAYAN | 9.62 |
| 2019 | 3 | 103119038 | GONAPA SAI UDDIEP | 9.61 |
| 2020 | 1 | 103120079 | PARVATH C | 9.83 |
| 2020 | 2 | 103120045 | JITESH CHOUDHARY | 9.59 |
| 2020 | 3 | 103120011 | A MUKESH SUNDAR | 9.43 |
| 2021 | 1 | 103121012 | ANJEET KUMAR | 9.87 |
| 2021 | 2 | 103121007 | AFRIN NAZ | 9.7 |
| 2021 | 2 | 103121116 | VIKRAMADITYA AGRAWAL | 9.7 |
| 2021 | 3 | 103121026 | CHANDAN KUMAR | 9.64 |

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2019 | 1 | 106119043 | HAEMANTH V | 9.83 |
| 2019 | 1 | 106119109 | SALONI GORDHAN RAKHOLIYA | 9.83 |
| 2019 | 2 | 106119041 | G PAVITHRA | 9.79 |
| 2019 | 3 | 106119042 | G SUBHASREE | 9.71 |
| 2019 | 3 | 106119052 | INDRESH P | 9.71 |
| 2020 | 1 | 106120122 | SNEHA ANN REJI | 10 |
| 2020 | 2 | 106120018 | ASHWIN A | 9.67 |
| 2020 | 3 | 106120038 | GOPU YESHWANTH REDDY | 9.6 |
| 2021 | 1 | 106121078 | M MUHAMMAD NAWFAL MEERAN | 9.87 |
| 2021 | 2 | 106121100 | RAHUL SRIRAM | 9.79 |
| 2021 | 3 | 106121092 | PRAJWAL SUNDAR | 9.64 |
| 2021 | 3 | 106121099 | RAGHAVAN BALANATHAN | 9.64 |

B. Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2019 | 1 | 107119051 | ISHIKAA LUNAWAT | 9.96 |
| 2019 | 1 | 107119056 | J SOUNDARYA | 9.96 |
| 2019 | 1 | 107119135 | VISWESWARAN B | 9.96 |
| 2019 | 2 | 107119017 | ANAND KUMAR | 9.71 |
| 2019 | 3 | 107119001 | ABDUL KADAR JAHANGIR | 9.62 |
| 2020 | 1 | 107120110 | SHAKAMBARI SAXENA | 9.9 |
| 2020 | 2 | 107120053 | H R S S NAGAVALLI CHATLA | 9.82 |
| 2020 | 3 | 107120100 | REVANTH S | 9.57 |
| 2021 | 1 | 107121081 | R KRISHNA | 9.9 |
| 2021 | 2 | 107121055 | MAYANK PACHAURI | 9.58 |
| 2021 | 3 | 107121009 | ANURAG SANDIP JAGTAP | 9.4 |
| 2021 | 3 | 107121110 | SUNDARAM S V | 9.4 |

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------------|------|
| 2019 | 1 | 108119041 | HARINI SABAPATHY | 9.92 |
| 2019 | 2 | 108119073 | NILOFER NISHA MOHAMED KANI | 9.71 |
| 2019 | 2 | 108119107 | SENTHILNATHAN S | 9.71 |
| 2019 | 3 | 108119075 | NIRUPAMA K G | 9.62 |
| 2020 | 1 | 108120097 | PREM SATHAN L | 9.84 |
| 2020 | 2 | 108120014 | ARSHDEEP | 9.73 |
| 2020 | 3 | 108120043 | HARSHINEE MURALI | 9.64 |
| 2021 | 1 | 108121051 | JAYASHREE M | 9.94 |
| 2021 | 2 | 108121062 | KUNAL VINODH KUMAR HINDUJA | 9.82 |
| 2021 | 3 | 108121048 | IPPILI TASWIN | 9.57 |

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2019 | 1 | 110119095 | SAIRAM K | 9.76 |
| 2019 | 2 | 110119075 | P ADARSH | 9.71 |
| 2019 | 3 | 110119076 | PEDANAYUNI VENKATA SAI | 9.54 |
| 2020 | 1 | 110120009 | ALWIS GURU K V | 9.76 |
| 2020 | 2 | 110120061 | K V SWETHA | 9.7 |
| 2020 | 2 | 110120089 | RAHUL RAAGHAV A | 9.7 |
| 2020 | 3 | 110120012 | ANIKET MITTAL | 9.65 |
| 2021 | 1 | 110121018 | ARYAN AGARWAL | 9.77 |
| 2021 | 2 | 110121107 | S V RAMAKRISHNAN | 9.47 |
| 2021 | 3 | 110121002 | AASHIKA G | 9.38 |

B.Tech. / MECHANICAL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------------|------|
| 2019 | 1 | 111119072 | NACHIKET AJAY KULKARNI | 9.86 |
| 2019 | 1 | 111119141 | YATIN SHANKAR NARAYANAN | 9.86 |
| 2019 | 2 | 111119056 | K R JAI KESAV | 9.78 |
| 2019 | 3 | 111119112 | JAVLE SHANKAR RAJENDRABHAI | 9.71 |
| 2020 | 1 | 111120142 | YASH ASHOK KUMAR PATEL | 9.72 |
| 2020 | 2 | 111120072 | K JOTHIKA | 9.66 |
| 2020 | 3 | 111120137 | VAKULA VENKATESH | 9.57 |
| 2021 | 1 | 111121134 | VISHWAS B | 9.6 |
| 2021 | 2 | 111121077 | NAMAN GOVIL | 9.56 |
| 2021 | 3 | 111121095 | RANJEETH KUMAR A R | 9.54 |

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------|------|
| 2019 | 1 | 112119009 | ALOK PANDEY | 9.58 |
| 2019 | 2 | 112119043 | MOHD UZAIR UL HAQUE | 9.5 |
| 2019 | 3 | 112119048 | NANDHA DEVAN D | 9.38 |
| 2020 | 1 | 112120001 | AADHARSHINI G | 9.96 |
| 2020 | 2 | 112120036 | M RISHIKA | 9.87 |
| 2020 | 3 | 112120003 | ANAGH DUTTA | 9.81 |
| 2021 | 1 | 112121072 | VAIKUNDARAMAN T S | 9.44 |
| 2021 | 2 | 112121045 | R ASHWIN | 9.27 |
| 2021 | 3 | 112121033 | MUNDHE SIDDHANT HARI | 9.04 |

B.Tech. / PRODUCTION ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------|------|
| 2019 | 1 | 114119012 | ANURAAG DASH | 9.83 |
| 2019 | 1 | 114119112 | S THANIKAI SATHIYAN | 9.83 |
| 2019 | 2 | 114119109 | SREE RANJANE M K | 9.79 |
| 2019 | 3 | 114119075 | NIRMAL M | 9.72 |
| 2020 | 1 | 114120115 | VEJAYATHERAJ SE | 9.83 |
| 2020 | 2 | 114120013 | ANSHU | 9.79 |
| 2020 | 3 | 114120019 | ARULL MURUGAN S | 9.6 |
| 2021 | 1 | 114121017 | CHITRANSH JAIN | 9.71 |
| 2021 | 2 | 114121014 | B.M.MADHESH | 9.53 |
| 2021 | 3 | 114121024 | D K VARUN NEVASH | 9.35 |

B.Arch. / ARCHITECTURE

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-------------------------------|------|
| 2018 | 1 | 101118015 | HRIDHAYA SUBRAMANIAM | 9.76 |
| 2018 | 2 | 101118020 | KRITHIKA RAVISANKAR | 9.58 |
| 2018 | 3 | 101118019 | KEERTHI A | 9.36 |
| 2019 | 1 | 101119036 | NIHARIKA SAINI | 9.85 |
| 2019 | 2 | 101119031 | MANAVI | 9.55 |
| 2019 | 3 | 101119004 | A NAVILAN | 9.28 |
| 2020 | 1 | 101120044 | SARMATHI B T | 8.88 |
| 2020 | 2 | 101120025 | MIDHUN MARTIN | 8.82 |
| 2020 | 3 | 101120033 | OVIYA S | 8.58 |
| 2020 | 3 | 101120046 | SHREE VARSHAA ELANGO | 8.58 |
| 2021 | 1 | 101121041 | SAI KEERTHANA VIDHYA SANJEEVI | 9.48 |
| 2021 | 2 | 101121025 | LAKSHI R KANKARIA | 9.28 |
| 2021 | 3 | 101121008 | DEEPTHIKA K | 9.08 |
| 2022 | 1 | 101122011 | DAVIDSON ANDREWS J | 9.18 |
| 2022 | 2 | 101122032 | NITHYASHRI JEYAPRAKASH | 9.14 |
| 2022 | 3 | 101122026 | MADHUMITHAA V | 9.06 |

B.Tech. / I YEAR (2022)

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------------|------|
| 2022 | 1 | 106122100 | REETHIKKA S S | 9.92 |
| 2022 | 1 | 114122076 | PRANAV G | 9.92 |
| 2022 | 2 | 102122027 | E ADITYA | 9.88 |
| 2022 | 2 | 106122047 | GAURI SANKARAN NEDUMBAMANA | 9.88 |
| 2022 | 3 | 108122040 | JAI SIBYL TIARA | 9.85 |
| 2022 | 3 | 111122122 | SRI HARI PRIYA SR | 9.85 |
| 2022 | 3 | 112122049 | RASHMI B N | 9.85 |

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

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-----------------------|------|
| 2021 | 1 | 202121013 | KUMARAN NAGAPPAN K | 8.91 |
| 2021 | 2 | 202121011 | CHARAN M R | 8.85 |
| 2021 | 3 | 202121010 | BOLABATTIN SHIVARAJ | 8.71 |
| 2022 | 1 | 202122014 | MOHAMED ABUBACKER S I | 9.46 |
| 2022 | 2 | 202122006 | DEWANSH | 9.02 |
| 2022 | 3 | 202122011 | LISHMA P L | 8.98 |

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2021 | 1 | 202221008 | DHOLE SHUBHAM RAJU | 9.64 |
| 2021 | 2 | 202221002 | AMARNATH K | 9.05 |
| 2021 | 3 | 202221020 | SHWETA JAISWAL | 8.86 |
| 2022 | 1 | 202222015 | TUSHAR | 9.18 |
| 2022 | 2 | 202222012 | SAMRAT JYOTI CHOUDHURY | 8.45 |
| 2022 | 3 | 202222010 | PATHAKAMURI VENKATESH | 8.35 |

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------------|------|
| 2021 | 1 | 203121016 | RAMADASU NIVEDITHA | 9.42 |
| 2021 | 2 | 203121004 | ARNAV A BARNWAL | 9.33 |
| 2021 | 3 | 203121020 | SARANAM VENKATA SAI CHARAN | 9.27 |
| 2022 | 1 | 203122020 | REET CHANDUKA | 9.86 |
| 2022 | 2 | 203122007 | DIPTENDU BISWAS | 9.52 |
| 2022 | 3 | 203122004 | ANINDYA BANDYOPADHYAY | 9.4 |

M.Tech. / STRUCTURAL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-----------------------|------|
| 2021 | 1 | 203221020 | DHANAWADE ROHIT SUNIL | 9.15 |
| 2021 | 2 | 203221002 | AKHIL GEORGE THOMAS | 9.06 |
| 2021 | 3 | 203221004 | ARUN KUMAR H | 8.94 |
| 2022 | 1 | 203222005 | ANISHA ANIL | 9.43 |
| 2022 | 2 | 203222015 | MADAN KUMAR G K | 9.17 |
| 2022 | 3 | 203222023 | PRATHIBHA V | 9.12 |

M.Tech. / ENVIRONMENTAL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------------|------|
| 2021 | 1 | 203421004 | ALAYNA MARIYA | 9.39 |
| 2021 | 2 | 203421015 | NANDAN A K | 9.32 |
| 2021 | 3 | 203421006 | ANUPRIYA A V | 9.2 |
| 2022 | 1 | 203422016 | RAHUL T P | 9.6 |
| 2022 | 2 | 203422024 | SURYAWANSHI HEMLATA DILIP | 9.36 |
| 2022 | 3 | 203422002 | DEVAVARAPU CHANDU | 9.17 |

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------------|------|
| 2021 | 1 | 203521030 | DAMANJEET SINGH PAHUJA | 9.77 |
| 2021 | 2 | 203521012 | KAVYAA S | 9.36 |
| 2021 | 3 | 203521027 | SOUMYODEEP CHATTERJEE | 9.2 |
| 2022 | 1 | 203522014 | MUDIMADUGULA PAVANKUMAR | 9.2 |
| 2022 | 2 | 203522002 | APPIREDDYGARI KEERTHI | 9.12 |
| 2022 | 3 | 203522015 | NERELLA KAMESWARI SANDHYA | 9 |

M.Tech. / GEOTECHNICAL ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-----------------------|------|
| 2021 | 1 | 203621020 | SOUNDARYA G | 9.52 |
| 2021 | 2 | 203621009 | JAYANTI MAHA LAKSHMI | 9.35 |
| 2021 | 3 | 203621015 | PARTHIBAN C | 9.27 |
| 2022 | 1 | 203622022 | THARUNSARATHY S | 9.5 |
| 2022 | 2 | 203622024 | VYSHNA P V | 9.07 |
| 2022 | 3 | 203622002 | ALEX VARGHESE KANNETH | 8.88 |

M.Tech. / DATA ANALYTICS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2021 | 1 | 205221008 | DIDUGU PHANI SAI GANESH | 9.73 |
| 2021 | 2 | 205221009 | HIRAY YASH RAJESH | 8.91 |
| 2021 | 3 | 205221015 | NIKHIL RAJ | 8.77 |
| 2022 | 1 | 205222003 | ANIKET KUMAR | 9.42 |
| 2022 | 2 | 205222018 | SHIVANSHU ANANT SURYAKAR | 9.27 |
| 2022 | 3 | 205222009 | GONTU HEMANT LAKSHMAN | 9.11 |

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2021 | 1 | 206121013 | DIBYENDU PAUL | 9.48 |
| 2021 | 2 | 206121032 | AGRAWAL SURBHI RADHESHAM | 9.38 |
| 2021 | 3 | 206121025 | NARODIA PARTH PANKAJBHAI | 9.33 |
| 2022 | 1 | 206122027 | TALHA ANWAR | 9.31 |
| 2022 | 2 | 206122025 | SIDDHARTH SHANKAR DEBATA | 9.26 |
| 2022 | 3 | 206122029 | THEPALE PRATIK VINODRAO | 8.95 |

M.Tech. / POWER SYSTEMS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------------------|------|
| 2021 | 1 | 207121022 | SANNIDHI K V D SATYA SAI KRISHNA | 9.56 |
| 2021 | 2 | 207121027 | SHANKHA PRAMANICK | 9.11 |
| 2021 | 3 | 207121013 | MADHAN N | 8.88 |
| 2022 | 1 | 207122032 | V VIJAY | 9.35 |
| 2022 | 2 | 207122009 | BOTTA PRUDHVI | 8.98 |
| 2022 | 3 | 207122015 | MANISH KUMAR PANDEY | 8.9 |

M.Tech. / POWER ELECTRONICS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------------|------|
| 2021 | 1 | 207221018 | M C BLESSEN | 9.11 |
| 2021 | 2 | 207221017 | MAYURI AWDHUT DONGRE | 9.05 |
| 2021 | 3 | 207221014 | MAYURESH KARALE | 8.88 |
| 2022 | 1 | 207222031 | THAMIZHSELVAM M P | 9.55 |
| 2022 | 2 | 207222009 | GANDAVARAPU MAHIDHARREDDY | 9.5 |
| 2022 | 3 | 207222026 | SHAIK SHARUK | 9.1 |

M.Tech. / COMMUNICATION SYSTEMS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-------------------------|------|
| 2021 | 1 | 208121009 | JOSYULA PADMAJA LAKSHMI | 9.39 |
| 2021 | 2 | 208121013 | KOTTURI SAI HARSHITHA | 9.36 |
| 2021 | 3 | 208121011 | KAMJULA DIVYA SRI | 9.33 |
| 2022 | 1 | 208122001 | ABHISHEK P | 9.57 |
| 2022 | 2 | 208122031 | TETALA VISHNU PRIYA | 9.21 |
| 2022 | 3 | 208122016 | KANTHALA APARNA | 9.19 |

M.Tech. / VLSI SYSTEM

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------------|------|
| 2021 | 1 | 208221005 | ARJIT GUPTA | 9.39 |
| 2021 | 2 | 208221011 | CHAUDHARI PRATHMESH RAOSAHEB | 9.33 |
| 2021 | 3 | 208221013 | DESHMUKH ONKAR SANJEEVAN | 9.15 |
| 2022 | 1 | 208222019 | KUNDA KAVYA | 9.74 |
| 2022 | 2 | 208222026 | PUTREVU SAIPRAKASH | 9.71 |
| 2022 | 3 | 208222020 | KURUBA ANUSHA | 9.4 |

M.Tech. / ENERGY ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------------|------|
| 2021 | 1 | 202321009 | JADHAV NITIN DHANAJI | 9.38 |
| 2021 | 2 | 202321005 | ANJAN MUKHERJEE | 9.14 |
| 2021 | 3 | 202321011 | KAUSHIK ANUSHK ANOOP | 9.02 |
| 2022 | 1 | 202322006 | DIVYANSHU PRAKASH | 9.24 |
| 2022 | 2 | 202322019 | SODHA MEETRAJSINH NARENDRASINH | 8.98 |
| 2022 | 3 | 202322008 | MEGHANI JAYESH SUNILKUMAR | 8.76 |

M.Tech. / INDUSTRIAL AUTOMATION

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2021 | 1 | 210121013 | P ABHISHEK | 9.39 |
| 2021 | 2 | 210121008 | GORRIPATI SAI PAVANI | 8.88 |
| 2021 | 3 | 210121003 | AKHASH V | 8.73 |
| 2021 | 3 | 210121018 | SANTHOSH J | 8.73 |
| 2022 | 1 | 210122015 | SAILAKSHMI P V | 9.58 |
| 2022 | 2 | 210122014 | RANKHAMB PAVAN GAJANAN | 9.22 |
| 2022 | 3 | 210122010 | PATIL JITESH ANIL | 9.15 |

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-----------------------|------|
| 2021 | 1 | 211221018 | SAURABH KUMAR GUPTA | 9.45 |
| 2021 | 2 | 211221027 | VIJITHRA V | 9.17 |
| 2021 | 3 | 211221025 | T BALA PRASANNA KUMAR | 9.06 |
| 2022 | 1 | 211222023 | SUSHANT SIDDHEY | 9.48 |
| 2022 | 2 | 211222001 | AKSHAY C | 9.22 |
| 2022 | 3 | 211222004 | ANOOP R S | 9 |

M.Tech. / THERMAL POWER ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|----------------------|------|
| 2021 | 1 | 211321026 | SEETHALA GOKULSAI | 9.53 |
| 2021 | 2 | 211321035 | YATNA BHAGAT | 9.42 |
| 2021 | 3 | 211321029 | SOUMYA RANJAN BEHERA | 9.34 |
| 2022 | 1 | 211322017 | KANDAGATLA SRINATH | 9.65 |
| 2022 | 2 | 211322034 | YEMPADA YUGESH | 9.52 |
| 2022 | 3 | 211322012 | DIVYANSHU GUPTA | 9.15 |

M.Tech. / WELDING ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------|------|
| 2021 | 1 | 212121009 | PIYUSH KUMAR | 9.35 |
| 2021 | 2 | 212121017 | SREEHARI M | 9.18 |
| 2021 | 3 | 212121006 | DINESH KUMAR SHARMA | 9 |
| 2022 | 1 | 212122013 | SANKERANAND K R | 9.36 |
| 2022 | 2 | 212122004 | ARCHIT | 8.93 |
| 2022 | 3 | 212122011 | RAVI KUMAR | 8.69 |

M.Tech. / MATERIAL SCIENCE AND ENGINEERING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-------------------|------|
| 2021 | 1 | 212221019 | VARIKOOTI BHAVANI | 9.45 |
| 2021 | 2 | 212221016 | S SRAVANI | 9.08 |
| 2021 | 3 | 212221009 | OM PRATAP SINGH | 9.03 |
| 2022 | 1 | 212222012 | RAGHUL RAJ R | 9.22 |
| 2022 | 2 | 212222016 | SURYA K | 9.17 |
| 2022 | 3 | 212222014 | SATYAM SARATHE | 8.51 |

M.Tech. / INDUSTRIAL METALLURGY

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2021 | 1 | 212321005 | MAYUR BHATTACHARJEE | 9.23 |
| 2021 | 2 | 212321003 | KURANE ASHISH SANJAY | 8.97 |
| 2021 | 3 | 212321009 | VENKAT PRASAD DANDSENA | 8.88 |
| 2022 | 1 | 212322010 | VISHNU M | 9.85 |
| 2022 | 2 | 212322007 | KRISHNA KUMAR R | 9.1 |
| 2022 | 3 | 212322008 | RESHU SHARMA | 9.07 |

M.Tech. / NON-DESTRUCTIVE TESTING

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------------------|------|
| 2021 | 1 | 213121024 | PRASHANT KUSHWAHA | 9.42 |
| 2021 | 2 | 213121025 | MANEESH SHETTY K | 9.22 |
| 2021 | 3 | 213121012 | KESHAV SHARMA | 9.08 |
| 2021 | 3 | 213121013 | KUMBHAR SHUBHAM BABASAHEB | 9.08 |
| 2022 | 1 | 213122002 | ALAPATI YAGNA SURYA VAMSI KRISHNA | 9.4 |
| 2022 | 2 | 213122014 | RAJESH LAYEK | 9.2 |
| 2022 | 3 | 213122017 | ROUTHU DEVASAI | 8.8 |

M.Tech. / MANUFACTURING TECHNOLOGY

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|-----------------------|------|
| 2021 | 1 | 214121005 | ARIJIT BERA | 9.76 |
| 2021 | 2 | 214121018 | KONDURI SOWMYA SAHITI | 9.47 |
| 2021 | 3 | 214121009 | DEORE SHUBHAM ASHOK | 9.26 |
| 2022 | 1 | 214122029 | SUROJ SINGH | 9.41 |
| 2022 | 2 | 214122023 | SAHUKARU RISHIKESH | 9.35 |
| 2022 | 3 | 214122022 | PRAJJWAL GOYAL | 9.3 |

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2021 | 1 | 214221028 | SHIVAM AGGARWAL | 9.55 |
| 2021 | 2 | 214221011 | LALAM PHANENDRA KUMAR | 9.52 |
| 2021 | 3 | 214221005 | BIDYADHAR SAHOO | 9.43 |
| 2022 | 1 | 214222015 | MILIND JAISWAL | 9.56 |
| 2022 | 2 | 214222016 | NEDUNURI JAGADESWARA RAO | 9.38 |
| 2022 | 3 | 214222009 | ENDAMURI JAJI ASHOK | 9.24 |

M.Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------------|------|
| 2021 | 1 | 201121013 | NITIKA SUTTY | 9.43 |
| 2021 | 2 | 201121001 | ACHU PETER | 9.23 |
| 2021 | 3 | 201121010 | MISHMA MIRIAN JACOB | 9.15 |
| 2022 | 1 | 201122023 | TANINKI NIHARIKA | 9.42 |
| 2022 | 2 | 201122010 | MILAN BEN | 9.19 |
| 2022 | 3 | 201122013 | PURVI PUNAMCHANDE NIRMALA | 9.17 |

M.Sc. / CHEMISTRY

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2021 | 1 | 204121015 | PULKIT DHANKHAR | 8.89 |
| 2021 | 2 | 204121022 | VARSHA SATHISH POOJARY | 8.79 |
| 2021 | 3 | 204121010 | HARIPRASAD R | 8.68 |
| 2022 | 1 | 204122016 | SAJAL SAXENA | 9.03 |
| 2022 | 2 | 204122012 | PAVIN T | 8.97 |
| 2022 | 3 | 204122018 | SHAMEEMA K K | 8.74 |

M.Sc. / COMPUTER SCIENCE

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------------|------|
| 2021 | 1 | 205321025 | SUDHANSHU SAURAV | 9.28 |
| 2021 | 2 | 205321024 | SOUMYADIP GOSWAMI | 9.24 |
| 2021 | 3 | 205321008 | NAMAN SHAH | 9 |
| 2022 | 1 | 205322022 | SUNDARRAMAN MADHUSUDANAN | 9.85 |
| 2022 | 2 | 205322008 | DIVYA | 9 |
| 2022 | 3 | 205322004 | BHAVSAR KIRTI PRAKASH | 8.95 |

M.Sc. / MATHEMATICS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|------------------------|------|
| 2021 | 1 | 216121004 | DSOUZA VIONA VALERIAN | 9.9 |
| 2021 | 2 | 216121019 | SUMAN KALYAN CHOWDHURY | 9.68 |
| 2021 | 3 | 216121008 | MANISHA | 9.19 |
| 2022 | 1 | 216122007 | KUNDAN KUNDU CHOWDHURY | 9.91 |
| 2022 | 2 | 216122001 | ARITRA DASGUPTA | 9.03 |
| 2022 | 3 | 216122005 | KEYA BERA | 8.88 |

M.Sc. / PHYSICS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------|------|
| 2021 | 1 | 213221016 | POOJA SINGH TOMAR | 9.25 |
| 2021 | 1 | 213221024 | KANAPARTHI SRIKAR | 9.25 |
| 2021 | 2 | 213221028 | PRANAT KUMAR PANDA | 9.21 |
| 2021 | 3 | 213221019 | SAIYAM SAKHUJA | 8.86 |
| 2022 | 1 | 213222018 | MOUSAM DEY | 9.42 |
| 2022 | 2 | 213222007 | ANSHUMAN SASMAL | 9.33 |
| 2022 | 3 | 213222014 | KIRAN | 9 |

MASTER OF COMPUTER APPLICATIONS

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------|------|
| 2020 | 1 | 205120103 | SIMRAN GARG | 10 |
| 2020 | 2 | 205120034 | HIMANSHI BANSAL | 9.76 |
| 2020 | 3 | 205120027 | DEEPEEKA | 9.66 |
| 2021 | 1 | 205121004 | ABHILASH SINGH | 9.84 |
| 2021 | 2 | 205121008 | AISHWARYA TRIPATHI | 9.68 |
| 2021 | 3 | 205121051 | LEEPAKSHI YADAV | 9.66 |
| 2022 | 1 | 205122020 | CHIRAG AGARWAL | 9.92 |
| 2022 | 2 | 205122080 | RISHIKESH BHAKARE | 9.52 |
| 2022 | 3 | 205122078 | RISHABH JAIN | 9.4 |

MASTER OF BUSINESS ADMINISTRATION

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|---------------------|------|
| 2021 | 1 | 215121066 | RITIKA GUPTA | 9.72 |
| 2021 | 2 | 215121021 | DEEPTI SUSAN JOHN | 9.17 |
| 2021 | 3 | 215121049 | MOKESH KUMAR V | 9.11 |
| 2022 | 1 | 215122015 | AUGUSTUS VIVEK R | 9.27 |
| 2022 | 2 | 215122004 | ABHISHEK RAUSHAN | 9.23 |
| 2022 | 3 | 215122030 | KEVIN THOMAS JOSEPH | 9.16 |
| 2022 | 3 | 215122051 | RAJA SHRI M | 9.16 |

MASTER OF ARTS (ENGLISH)

| Batch | Rank | Roll Number | Name | CGPA |
|-------|------|-------------|--------------------|------|
| 2021 | 1 | 209121001 | J AAKASH | 9.91 |
| 2021 | 1 | 209121012 | NANDHITHA M | 9.91 |
| 2021 | 2 | 209121006 | DAN GEORGE | 9.53 |
| 2021 | 3 | 209121014 | NIRANJANA K MANI | 9.25 |
| 2022 | 1 | 209122007 | DEEKSHA S V | 9.17 |
| 2022 | 1 | 209122010 | JASIR P P | 9.17 |
| 2022 | 1 | 209122014 | MEERA RAMESH M | 9.17 |
| 2022 | 2 | 209122002 | ALIZA MERIA MATHEW | 9.08 |
| 2022 | 3 | 209122018 | SANDRA SHAJI R | 8.83 |

ENDOWMENT AWARDS

| Sl. No. | Name of the award | Roll No | Name |
|---------|---|-----------|--------------------------------------|
| 1. | Smt. G. S. Rajalakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering. | 102120029 | DIVYADHARSHINI D S |
| | | 102120067 | R VISHNU BHARADWAJ |
| | | 102120022 | BAVISHI JAINA KETANKUMAR |
| 2. | Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering. | 103120011 | A MUKESH SUNDAR |
| 3. | Sri. Karchae Endowment award for the best project in the Department of Architecture | 101118047 | VIJAY AADITHYA G R |
| 4. | Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT | 213122002 | ALAPATI YAGNA SURYA VAMSI KRISHNA |
| 5. | Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester. | 107120110 | SHAKAMBARI SAXENA |
| 6. | Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year. | 107119056 | J SOUNDARYA |
| 7. | Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch. | 108120043 | HARSHINEE MURALI |
| 8. | Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech. | 107122113 | SPANDAN BISWAS |
| 9. | Sri. Avinash memorial award for the best outgoing male student of ICE branch | 110120106 | SOORAJ SUBRAMANIAM E P |
| 10. | Sri. Avinash memorial award for the best outgoing female student of ICE branch | 110120061 | K V SWETHA |
| 11. | Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS | 215122075 | SRIVATSAV S |
| 12. | Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA | 215122087 | VISHAL KUMAR BOTHRA M |
| 13. | Srimathi Neela Balasubramanian Memorial Award for best outgoing student in ECE branch | 108120043 | HARSHINEE MURALI |
| 14. | Karthik S Memorial Award for the First Rank Holder upto VII semester in B.Tech. Production Engineering. | 114120013 | ANSHU |

| | | | |
|-----|--|-----------|---------------------------------|
| 15. | Smt. Vijayalakshmi Kannan Memorial Award for the First Rank Holder upto VII semester in B.Tech. ECE | 108120043 | HARSHINEE MURALI |
| 16. | Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester M.Tech. industrial safety Engineering. | 211222023 | SUSHANT SIDDHEY |
| 17. | Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech. | 111122018 | ARYAN L HASANABADI |
| | | 111122032 | DEEPANSHI |
| 18. | Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME | 112120036 | M RISHIKA |
| 19. | Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE | 108121051 | JAYASHREE M |
| 20. | Mr. Oisik Adak endowment award for “Best Creative Designer” in the department of Architecture | 101119036 | NIHARIKA SAINI |
| 21. | Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular architecture | 101120038 | RAJA SUBHASINI M |
| 22. | Dr. Josephine Frank Memorial Scholarship for Graphic Design | 101121058 | VISHNUPRIYA V K |
| | | 101121041 | SAI KEERTHANA VIDHYA SANJEEVI |
| | | 101121014 | HRISHIKESH P |
| 23. | S J Chainlu medal of Excellence (For the First Rank Holder in the First year) | | |
| | 1. Chemical Engineering | 102122027 | E ADITYA |
| | 2. Civil Engineering | 103122107 | UNNITHAN ARUNESH SURESH |
| | 3. Computer science and Engineering | 106122100 | REETHIKKA S S |
| | 4. Electrical and Electronics Engineering | 107122101 | SATVARA JAY VIPUL |
| | 5. Electronics and Communication Engineering | 108122040 | JAI SIBYL TIARA |
| | 6. Instrumentation and Control Engineering | 110122051 | KIRTHIK M |
| | 7. Mechanical Engineering | 111122122 | SRI HARI PRIYA SR |
| | 8. Metallurgical and Materials Engineering | 112122049 | RASHMI B N |
| | 9. Production Engineering | 114122076 | PRANAV G |
| 24. | Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA) | 215123064 | PALACHARLA SAI S VIRAJ CHOWDARY |

| | | | |
|-----|---|-----------|-------------------------------|
| 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) | 112120036 | M RISHIKA |
| 26. | Prof. K. S. Pandey memorial Academic Achievement Award for the academically best student based on CGPA at the end of five semesters of the B.Tech. (MME) programme | 112121072 | VAIKUNDARAMAN T S |
| 27. | Best outgoing student of MME M/s Chennai Metco Pvt.Ltd Chennai | 112120003 | ANAGH DUTTA |
| 28. | Mettalographic contest winner M/s Chennai Metco Pvt.Ltd Chennai | 112120049 | RAJ SAMNANI |
| | | 112120001 | AADHARSHINI G |
| 29. | Best NCC Cadet | 110120070 | MATHWALE ABHISHEK BASWARAJ |
| 30. | Anjali Surendran Endowment Award for the best out-going undergraduate student from Production Engineering Department | 114120020 | ARUNPRABHAKAR P |
| 31. | Dr. S. H. Ibrahim memorial award Best outgoing student in B.Tech. Chemical Engineering | 102120029 | DIVYADARSHINI D S |
| 32. | Dr. S. H. Ibrahim memorial award Best Student in the Field of 'MASS TRANSFER' in B.Tech. (Chemical Engineering) | 102120067 | R VISHNU BHARADWAJ |
| 33. | RECT'78 alumni medal for the best outgoing girl student | 108120043 | HARSHINEE MURALI |

ALUMNI AWARDS

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

| Sl. No. | Department | Roll No. | Name | CGPA |
|---------|---|-----------|------------------------|------|
| 1. | Architecture | 101119036 | NIHARIKA SAINI | 9.56 |
| 2. | Chemical Engineering | 102120029 | DIVYADHARSHINI D S | 9.46 |
| 3. | Civil Engineering | 103120011 | A MUKESH SUNDAR | 9.69 |
| 4. | Computer Science and Engineering | 106120122 | SNEHA ANN REJI | 9.79 |
| 5. | Electrical and Electronics Engineering | 107120110 | SHAKAMBARI SAXENA | 9.71 |
| 6. | Electronics and Communication Engineering | 108120043 | HARSHINEE MURALI | 9.57 |
| 7. | Instrumentation and Control Engineering | 110120012 | ANIKET MITTAL | 9.65 |
| 8. | Mechanical Engineering | 111120142 | YASH ASHOK KUMAR PATEL | 9.74 |
| 9. | Metallurgical and Materials Engineering | 112120036 | M RISHIKA | 9.77 |
| 10. | Production Engineering | 114120013 | ANSHU | 9.55 |

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

| S.No. | Dept./Specialization | Roll. No. | Name | CGPA |
|-------|--|-----------|-------------------------|------|
| 1. | Architecture | 201122023 | TANINKI NIHARIKA | 9.31 |
| 2. | Chemical Engineering | | | |
| | Chemical Engineering | 202122014 | MOHAMED ABUBACKER S I | 9.36 |
| | Process Control and Instrumentation | 202222015 | TUSHAR | 9.13 |
| 3. | Energy and Environment | | | |
| | Energy Engineering | 202322006 | DIVYANSHU PRAKASH | 9.35 |
| 4. | Civil Engineering | | | |
| | Transportation Engineering and Management | 203122020 | REET CHANDUKA | 9.67 |
| | Structural Engineering | 203222005 | ANISHA ANIL | 9.56 |
| | Environmental Engineering | 203422016 | RAHUL T P | 9.69 |
| | Construction Technology and Management | 203522014 | MUDIMADUGULA PAVANKUMAR | 9.38 |
| | Geo Technical Engineering | 203622022 | THARUNSARATHY S | 9.61 |
| 5. | Computer Science and Engineering | | | |
| | Computer Science and Engineering | 206122027 | TALHA ANWAR | 9.46 |
| 6. | Electrical and Electronics Engineering | | | |
| | Power Systems | 207122032 | V VIJAY | 9.5 |
| | Power Electronics | 207222031 | THAMIZHSELVAM M P | 9.42 |
| 7. | Electronics and Communication Engineering | | | |
| | Communication Systems | 208122001 | ABHISHEK P | 9.44 |
| | VLSI System | 208222026 | PUTREVU SAIPRAKASH | 9.78 |
| 8. | Instrumentation and Control Engineering | | | |
| | Industrial Automation | 210122015 | SAILAKSHMI P V | 9.67 |
| 9. | Mechanical Engineering | | | |
| | Industrial Safety Engineering | 211222023 | SUSHANT SIDDHEY | 9.6 |
| | Thermal Power Engineering | 211322017 | KANDAGATLA SRINATH | 9.73 |

| | | | | |
|-----|---|-----------|--------------------------------------|------|
| 10. | Metallurgy and Materials Engineering | | | |
| | Welding Engineering | 212122013 | SANKERANAND K R | 9.5 |
| | Materials Science and Engineering | 212222012 | RAGHUL RAJ R | 9.4 |
| | Industrial Metallurgy | 212322010 | VISHNU M | 9.89 |
| 11. | Production Engineering | | | |
| | Manufacturing Technology | 214122029 | SUROJ SINGH | 9.33 |
| | Industrial Engineering and Management | 214222015 | MILIND JAISWAL | 9.65 |
| 12. | Physics | | | |
| | Non-Destructive Testing (M.Tech.) | 213122002 | ALAPATI YAGNA SURYA VAMSI KRISHNA | 9.54 |
| | Physics (M.Sc.) | 213222018 | MOUSAM DEY | 9.29 |
| | Physics (M.Sc.) | 213222007 | ANSHUMAN SASMAL | 9.29 |
| 13. | Chemistry | | | |
| | Chemistry (M.Sc.) | 204122016 | SAJAL SAXENA | 9 |
| 14. | Mathematics | | | |
| | Mathematics (M.Sc.) | 216122007 | KUNDAN KUNDU CHOWDHURY | 9.94 |
| 15. | Management Studies | | | |
| | Master of Business Administration | 215122057 | SANDRA ALINA JOSE | 9.27 |
| 16. | Computer Applications | | | |
| | Data Analytics (M.Tech.) | 205222018 | SHIVANSHU ANANT SURYAKAR | 9.42 |
| | Master of Computer Applications | 205121004 | ABHILASH SINGH | 9.72 |
| | Computer Science (M.Sc.) | 205322022 | SUNDARRAMAN MADHUSUDANAN | 9.45 |
| 17. | Humanities & Social Sciences | | | |
| | English Language & Literature | 209122014 | MEERA RAMESH M | 9.28 |

OTHER AWARDS (INSTITUTED BY RECAL)

| Sl. No. | Name of the award | Roll No. | Name |
|---------|---|-----------|---|
| 1. | Overall Outstanding Student of the Year | 103120041 | HARSHITHA S |
| 2. | Anand Chidambaram Memorial Award | 102120050 | NIVETHA R |
| 3. | Outstanding Sportsman | 112120042 | PRABHAKARAN D S, Metallurgical and Materials Engineering, Swimming Team |
| 4. | Outstanding Sport Woman | 101119026 | KAVIYA S, Department of Architecture Athletics |
| 5. | Best Batsman of the year | 106120094 | S RAHUL SHANKER, Computer Science and Engineering Cricket Team |
| 6. | Best Bowler of the year | 211323018 | KARTHICK S S, Mechanical Engineering (M. Tech.) Cricket Team |

ENDOWMENT AWARDS

1. **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.

2. **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.

3. **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.

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

Shri. M. S. Balkumaran, 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.

5. **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.

6. **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.

7. **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 outgoing student in B.Tech. (Chemical Engineering)

In his memory the students of NIT-T (REC-T) created an endowment to honour the best out-going 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.

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.

8. Prof. Ibrahim – Dr. Sitaraman Award

Prof. Ibrahim, a former Head of Chemical Engineering Department, was the Professor-in-charge 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.

9. Prof. Thirumalaiarasan Award

This award is in memory of Prof. Thirumalaiarasan. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

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. 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.

20. 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.

21. 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/-

22. M/s. Chennai Metco (P) Ltd award for the Best outgoing student in MME and Metallographic contest winners**23. 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.

24. Dr. Josephine Frank memorial scholarship for Graphic Design**25. 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.

26. 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.

27. 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.

28. NCC Cadet award**29. RECT'78 Alumni medal for the best outgoing girl student**

Best Outgoing girl Student (B.Tech.)

RECAL AWARDS

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/-.

PROFILE OF DEPARTMENTS

Department of Architecture

Established in 1980, the Department of Architecture at the National Institute of Technology (NIT) Trichy is renowned for producing exceptional architects with global recognition. In the NIRF rankings of 2023, the department achieved an 4th rank among all architecture colleges in India, underscoring its commitment to academic excellence. Additionally, students clinched the prestigious "Le Corbusier trophy" at the 2023 NASA convention, highlighting their talent and dedication. The department is actively engaged in research areas like sustainable architecture, thermal comfort, behavioral adaptation, Architectural Psychology, and architectural conservation. Supported by experienced faculty and state-of-the-art facilities including design studios and specialized labs, the department emphasizes innovation and prepares socially responsible architects to address contemporary challenges in the built environment. Through strong industry partnerships, NIT Trichy's Department of Architecture provides students with practical experiences and opportunities for real-world impact in the field.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 0 | 0 | 6 | 0 |
| 2. | Research Citations | Scopus | | 55 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | 9 | | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 0 | 1 | | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 0 | 0 | | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 0 | 0 | | |
| 7. | Patents | Granted | Published | Filed | |
| | | 0 | 0 | 0 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 1 | 4 | 3 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 8 | 0 | 3 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 23 | | 1 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 0 | | 0 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 5 | | 16.35 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 0 | | 0 | |

(Left) Pannel Discussion by Eminent architects on Climate change in Architecture, 17-02-2024. (Right) Architalk Inaugural lecture as part of Diamond Jubilee celebration, 21-02-2024



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 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 21 | 41 | 62 | |
| 2. | Research Citations | Scopus | | 4399 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 7 | | 27 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | - | | 8 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 5 | | 151 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 1 | | 100 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 3 | | | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 2 | | | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 27 | | 3 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 3 | | | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | | | | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 23 | | 15.48 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 4 | | 1 | |

(Left) 38th National Convention of Chemical Engineers and National Conference on Digitization of Chemical Process Industry, 07-08 September, 2023 Tiruchirappalli. (Right) Microbial Fuel Cells: A Sustainable Technology for Clean Water and Green Energy, 04-09 March, 2024 Tiruchirappalli.



Department of Chemistry

The Department of Chemistry has embedded with excellent infrastructure and sophisticated instrumentation facilities for the PG students and Research scholar to utilize the facilities more effectively for their extensive analytical/research support. The department has five laboratories such as, B.E/B.Tech, PG, Spectroscopy, Computational and Research laboratories which are well equipped to meet the requirements of the students/research scholar to excel in their academic as well as research curriculum. The Department has also been recognized as one of the major post-graduate centres in offering “**General Chemistry**” in Tamil Nadu and has been cited for our excellence. The curriculum is a blend of the conventional and the modern trend. The periodic updates have been adopted to bring out the growing demands, challenging trends in the industrial sector and in multidisciplinary research domain.

Our vision is to be a world-class centre in Basic and Applied Chemistry. In line with this, our goal is to instil the advanced knowledge and skills of students-professionals to meet the global challenges and to avail effective solutions to the industries through bridging research and consultancies. Thereby, addressing the rural needs through benign and in an ecofriendly manner. In addition to this, our department faculty members have extended their **International Research Collaboration’s** which includes *Feng Chia University-Taiwan, University of Melbourne-Australia, SPARC project collaboration with University of Edinburgh, UK and Students International Internship* programme at National Yang Ming Chiao Tung University, Taiwan.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 55 | 2 | 85 | 11 |
| 2. | Research Citations | Scopus | | 3899 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 1 | | | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | | | 7 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 4 | | 112.5 lakh | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 7 | | 5.14 lakhs | |
| 7. | Patents | Granted | Published | Filed | |
| | | 1 | | | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 1 | 1 | 4 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 37 | | 2 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 23 | | 1 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 3 | | 3 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 125 | | 74.19 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 14 | | | |

(Left) SPARC symposium on Emerging Chemistry Trends: Innovations and Sustainable solutions on December 01, 2023.

(Right) National Conference on “Transcending Frontiers in Chemical Sciences” on 11-12 Aug 2023.



Department of Civil Engineering

Department of Civil Engineering is one of the founding departments of National Institute of Technology Tiruchirappalli at 1964. Department is offering 1 UG and 5 PG programmes. The department boasts a team of experienced and highly qualified faculty members who are actively engaged in teaching and research. Faculty are expertise in areas such as structural engineering, geotechnical engineering, transportation engineering, environmental engineering, water resources engineering, construction technology & management and GIS & remote sensing. The department is involved in cutting-edge research and innovation in various domains of civil engineering. This includes projects funded by national and international agencies, collaborations with industry partners, and interdisciplinary research initiatives. The department maintains strong ties with industry partners, facilitating internships, guest lectures, and collaborative research projects. The department encourages student participation in various co-curricular and extracurricular activities. This includes student chapters of professional organizations, technical workshops, seminars, and conferences. Graduates from the Civil Engineering Department at NIT Trichy are highly sought after by leading companies in the construction, infrastructure, consulting, and research sectors. The department's strong reputation and alumni network contribute to excellent placement opportunities for its students.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 36 | 56 | 94 | 70 |
| 2. | Research Citations | Scopus | | 2780 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 19 | | 49 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 6 | | 18 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 8 | | 820.90 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 105 | | 348.96 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 2 | 2 | 3 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 1 | 10 | 6 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 23 | 2 | 16 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 24 | | 10 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 1 | | 4 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 17 | | 57.5809 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 5 | | 2 | |

(Left) International symposium on Geotechnical Aspects of Heritage structures, 14-16 Feb'2024. (Right) Inauguration of Cauvery on 26.03.2024



Department of Computer Applications

The Department of Computer Applications is one of the pioneering departments of the institution that offers Information Technology courses such as MCA and one among the top five offering MCA courses in the country. It is committed to impart quality education in the sub-fields of IT, a field growing in leaps and bounds. The curriculum is so made that the course provides a good theoretical foundation through high-quality teaching complemented by extensive practical training. The department currently offers three full-time post-graduate programmes - three-year Master of Computer Applications (MCA), two-year Master of Science in Computer Science and two-year M.Tech in Data Analytics. This department comprises of nineteen 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. Diamond jubilee: As part of Diamond jubilee celebrations, the Department of Computer Applications is conducting a one-week online FDP titled “Pioneering the Future of Blockchain Technology.”

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles* | 13 | 19 | 13 | 7 |
| 2. | Research Citations | Scopus | | | |
| 3. | Conference / In Proceedings | National | | International | |
| | | - | | 22 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | | | 9 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 3 | | 5 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 1 | | 0.01 | |
| 7. | Patents* | Granted | Published | Filed | |
| | | 3 | 1 | 1 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | | | 7 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | | | >100 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 45 | | 7 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| 12. | Procurement of Equipment (for SCIEnT) | Number | | Amount (in Lakhs) | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 5 | | | |

(Left)
Inauguration
of VERSION
'24 by MCA
Association
on 21st
March 2024.
(Right)
Inauguration
of OPTIMA
'24
Departmental
Tech Fest on
14th March
2024.



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 23 faculty members. The department has proven its excellence in research by publishing 83 papers in reputed journals and 38 publications in international conferences for the year 2023 - 2024. 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 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 12 | 38 | 28 | 5 |
| 2. | Research Citations | Scopus | | 1266 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | -- | | 38 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | -- | | 7 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 5 | | 113.24 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 1 | | 6.08 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 1 | -- | -- | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 2 | -- | 13 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 3 | 2 | 6 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 24 | | 3 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | -- | | -- | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 15 | | 8711947 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 8 | | 5 | |

(Left) Inauguration of Vortex 2024, 02-02-2024. (Right) ACM India Sponsored one-day Workshop on ROCS: Research Opportunities in Computer Science, 06-04-2024.



Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering (EEE), NIT Tiruchirappalli was started in the year 1964. In addition to three academic programmes, the department offers research programmes (M.S. and Ph.D.) in Electrical and Electronics Engineering. Since its inception, the department has not only shown academic excellence, but also laid strong foundation for the research community by establishing many research laboratories. The department is globally recognized for excellence in research in the field of wind and solar electrical energy conversion systems. The EEE department at NIT Tiruchirappalli boasts a robust R&D profile, delving into advanced power systems, renewable energy, and smart grid technologies. With a focus on sustainable solutions, it pioneers research in electric vehicle technologies and grid integration of renewable energy sources, contributing significantly to the evolving energy landscape.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 2 | 48 | 79 | 50 |
| 2. | Research Citations | Scopus | | 3192 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | | 35 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 5 | | 5 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 4 | | 116.0474 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 3 | | 17.22 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 9 | 2 | 0 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | - | | 11 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 9 | 0 | 4 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 54 | | 7 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | - | | 12 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 32 | | 36.1526 | |
| 13. | Ph. D. graduation | Full Time | | Part Time | |
| | | 11 | | 2 | |

(Left)
Inauguration of
CURRENTS '24
by EEE
Association on 22-
03-2024. (Right)
Inauguration of
Two Karyashala
(SERB Sponsored
Workshops)
Events on 17-03-
2024.



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 114 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, fostering collaborations that drive advancements in various industries. The department has 30 dedicated and research-focused faculty members and well-equipped 12 Curriculum and 18 research laboratories.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|---------|-------------------|-------|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 10 | 21 | 61 | 35 |
| 2. | Research Citations | Scopus | | 2195 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | | 50 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 1 | | 17 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 7 | | 428.0994 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | - | | - | |
| 7. | Patents | Granted | | Published | Filed |
| | | 4 | | 6 | 1 |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 1 | - | 5 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 53 | - | - | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 24 | | 5 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 1 | | 1 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 51 | | 66.691 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 8 | | 2 | |

(Left)
Inauguration.
(Right) Ongoing session.



Department of Energy and Environment

Department of Energy and Environment (DEE), formerly, Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (present-day NITT) in 1995, under the auspices of UK – India RECs Project: Energy Theme. CEESAT was renamed as Department of Energy and Environment in 2012. The mission of DEE is to develop solutions for a better energy and environmental future, through development of technical human resource and technology. DEE is housed in an energy efficient building with least carbon foot print for both its building and operation. DEE harbours an NABL accredited calibration lab and ISO 9001:2008 certified state-of-the-art laboratories equipped with sophisticated instruments and software, with the objective of catering 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 faculty members are trained at various UK universities such as University of Salford, UMIST, De Montfort, Sheffield, Reading, Leeds, and Building Research Establishment. 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 convert its research outcomes into a real time technology transfer to the society and industry where it meets out its ultimate objective.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 08 | 01 | 08 | 02 |
| 2. | Research Citations | Scopus | | | 206 |
| 3. | Conference / In Proceedings | National | | International | |
| | | - | | - | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | - | | 03 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 02 | | 28.30 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 01 | | 2 | |
| 7. | Patents | Granted | Published | Filed | |
| | | - | 03 | 01 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | - | - | 04 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 02 | - | 01 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 12 | | 01 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | - | | 01 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 35 | | 33.89 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | - | | 01 | |

(Left) Karyashala Workshop titled "Carbon Mitigation Techniques Using Advanced Coal Cycles, MSW, and Other Biomass Resources Dated 19-25.02.2024. (Right) Workshop titled Building Energy Management using IoT Dated 05-09.02.2024.



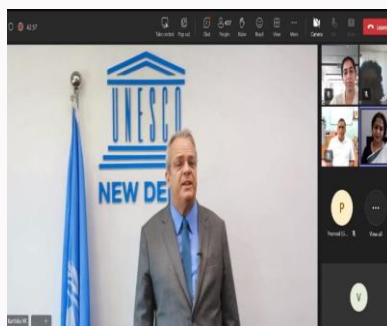
Department of Humanities and Social Sciences

The Department of Humanities and Social Sciences (formerly, the Department of Humanities) has been in existence since 2004. This top-ranked Department among the NITs is known for independent interdisciplinary research and for a dynamic collaboration between faculty and students. To meet the existing demands of industry, business, public and private organizations, academic and human services, the Department has constantly striven for a practical curriculum with a high degree of professional relevance, enabling students to face real time challenges. Accordingly, the Department has been offering a wide range of core and elective courses to undergraduates and graduates. The Department has been offering a full-fledged Ph.D. program since 2004 and has produced quality research work in newer areas of Humanities and Social Sciences. Recognizing the growing demand for humanities-based courses, the Department also offers Minor Degree Courses in Economics and in Language/Literature. The department has been offering MA English (Language and Literature) programme from the academic year 2020-21. The Department has language lab with a control unit for the teacher. The teacher can teach four basic language skills through this lab which is based on a state-of-the-art technology. The teaching material can be sent to all the student stations and the teacher can speak, discuss, clarify and so on from the place where he is sitting (Teacher's station). The lab also aims to facilitate self-learning.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 14 | | 64 | |
| 2. | Research Citations | Scopus | | | |
| 3. | Conference / In Proceedings | National | | International | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | | | 7 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 3 | | 28.3 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| 7. | Patents | Granted | Published | Filed | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | | | 8 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | | | | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 44 | | | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 20 All in One PC | | 17.5 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 7 | | 1 | |

(Left) Reading and Researching the Literature of Crisis: One Week Faculty Development Programme in collaboration with the UNESCO Chair in Vulnerability Studies, University of Hyderabad (22- 29 January 2024). (Right) Dr. R Joseph Ponniah delivered an endowment lecture on Biological Basis of Reading and Writing at Fatima College, Madurai (17th November 2023).



Department of Instrumentation and Control Engineering

The Department of Instrumentation and Control Engineering (ICE) was established in the year 1993 and the first batch of undergraduate students graduated from the department in the year 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, and M.Tech. in Process Control and Instrumentation (offered jointly with the dept. of Chemical Engineering) and research programmes- M.S. (by Research) and Ph.D. programmes that provide students with the knowledge and tools they need to succeed in the field of instrumentation and control. The Department of Instrumentation and Control Engineering has seventeen regular faculty members with teaching and research interests that covers a broad range of fields and well qualified and experienced technical/supporting staff. The faculty members 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. All the laboratories of the department are very well established with adequate facilities such as sufficient hardware and licensed software with necessary safety measures to cater to the needs of the UG and PG curriculum and research.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 07 | 18 | 31 | 19 |
| 2. | Research Citations | Scopus | | 463 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 13 | | 14 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | -- | | 02 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 02 | | 48.56 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 01 | | 85 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 08 | - | 04 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | -- | | 4 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 3 | | 4 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 14 | | 13 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | -- | | -- | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 27 | | 36.45 | |
| 13. | Ph. D. graduation | Full Time | | Part Time | |
| | | 3 | | 1 | |

(Left) IV BSNL
8 April 2024.
(Right) Hands
on Session BMI
10 April 2024



Department of Management Studies

Department of Management Studies, National Institute of Technology Tiruchirappalli (DoMS-NIT Trichy) is among the oldest B-Schools in India, started in 1978. DoMS-NIT Trichy teaches not just the art and science of management but instills in its students, virtues, and skills needed to make a positive impact on tomorrow's world and transform it into a better future. The academics at DoMS-NIT Trichy are a veritable treasure of learning and erudition. With a mature lineage of consultancy and research behind them, this exclusive group of academicians is responsible for grooming raw talents into performing prodigies. DoMS has a higher level of tutelage, focusing its resources exclusively on the promising managers of tomorrow.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|------|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 15 | 8 | 40 | 17 |
| 2. | Research Citations | Scopus | | | 1277 |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | | 4 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 2 | | | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 2 | | 47.1 | |
| 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 | |
| | | | | 1 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 6 | | 20 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | - | | - | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | | | 11.9 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 6 | | 7 | |

(Left) INACON inauguration 23, 22-23 September. (Right) Images from the event.



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 modelling, 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. Exponentia 2024 was inaugurated on 18-03-2024. The department is going to offer B.Sc B.Ed program from the academic year 2024-25.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 11 | 21 | 24 | - |
| 2. | Research Citations | Scopus 933 | | | |
| 3. | Conference / In Proceedings | National | | International | |
| | | - | | 3 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | - | | - | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 1 | | 30 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | - | | - | |
| 7. | Patents | Granted | Published | Filed | |
| | | - | - | - | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | - | 1 | 2 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 2 | - | - | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 14 | | - | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | - | | 1 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 15 | | 10.14 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 10 | | - | |

(Left) Workshop:
December 04-08, 2023.
(Right) Exponentia: 18th
March 2024



Department of Mechanical Engineering

The Department of Mechanical Engineering excels with 24 faculty members with highly qualified, diversified faculty members. QS World ranking recognized the Department of Mechanical Engineering, within the top 451- 500 of subject ranking for the seventh consecutive year since 2017. B. Tech-Mechanical Engineering course received NBA accreditation 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. MEA aims at structuring the Alumni network for the first time which is under discussion.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 25 | 28 | 129 | 65 |
| 2. | Research Citations | Scopus | | 6867 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 0 | | 11 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 0 | | 4 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 4 | | 84.85 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 6 | | 9.65 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 16 | 6 | 2 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | 0 | 0 | 5 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 4 | 0 | 0 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 19 | | 12 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 0 | | 42 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 23 | | 87.22 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 4 | | 3 | |

(Left) SYNERGY 2024

– Inaugural Function –

08.03.2024. (Right)

High-end workshop (Karyashala) on Advanced Combustion Technologies for Hydrogen Based Fuels – SERB - Accelerate Vigyaan Scheme – 5-day workshop Inaugural function - March 17-23, 2024



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. And Since its inception this department has been one of the premier centers of excellence in the field of Metallurgical and Materials Engineering. It has expanded since then in many ways and now offers three post-graduate programmes with specialization in Welding Engineering, Materials Science & Engineering and Industrial Metallurgy. All the three courses have been attracting candidates with varied engineering backgrounds and also sponsored candidates from engineering industries and academia. Since 2006, the department is admitting candidates for M.S. and Ph.D. programmes with Institute Fellowships. The department faculty are handling projects sponsored by agencies like MHRD, DRDO, AICTE, DST, NRB 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 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 20 | 19 | 47 | - |
| 2. | Research Citations | Scopus | | 1805 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | | 35 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | 1 | | 2 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 2 | | 92.24 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 3 | | 14.2 | |
| 7. | Patents | Granted | Published | Filed | |
| | | 3 | 1 | 2 | |
| 8. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 5 | 2 | 3 | |
| 9. | Guest Lectures | Delivered | | Organized | |
| | | 27 | | 13 | |
| 10. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | - | | 8 | |
| 11. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 22 | | 112.48 | |
| 12. | Ph. D. graduation | Full Time | | Part Time | |
| | | 7 | | 2 | |

(Left) Inauguration of METTLE '24 by MME Association on 05.03.2024.



(Right) InvenTiv-20.01.2024 showcasing inventions at IIT Hyderabad organized by Ministry of Education



Department of Physics

The Department of Physics provides a world-class scientific platform for scientists and engineers with state-of-the-art facilities. The Department has established various research areas with 19 faculty members. The Department offers an M.Sc. in Physics and an M.Tech. in Non-destructive testing apart from the Ph.D. program. Research projects worth more than 400 lakhs have been completed with funding from various agencies such as DST, DRDO and CSIR for the past five years. 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 research publications from the Department have largely increased, with publications in reputed international journals. The excellent curriculum, research facilities and internationally acclaimed researchers have shaped the student's career path as per international standards.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|------------|------|---------------------|----------|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 60 | 33 | 138 | |
| 2. | Research Citations | Scopus | | 4900 / 21450(total) | |
| 3. | Conference / In Proceedings | National | | International | |
| | | 3 | | 8 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | | | 3 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 3 | | 159.3 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | - | | - | |
| 7. | Patents | Granted | | Published | Filed |
| | | 2 | | | |
| 8. | Technical Events Organized by the Department | Conference | | Seminar | Workshop |
| | | | | 1 | 1 |
| 9. | Technical Events Attended by Faculty and Students | Conference | | Seminar | Workshop |
| | | 25 | | 3 | 4 |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 21 | | 2 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | 1 | | 3 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 4 | | 47 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 14 | | 2 | |

(Left) Bhatnagar Prof. M. Lakshmanan delivered a talk at the Department symposium INPHYNITT24 held on 7th March 2024. (Right) Mr. R. Balamurugan, research scholar, received the best poster award during the prestigious DAE – SSP symposium held during December 20-24, 2023.



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-Six 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 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | 17 | 38 | 131 | 55 |
| 2. | Research Citations | Scopus | | 5206 | |
| 3. | Conference / In Proceedings | National | | International | |
| | | - | | 11 | |
| 4. | Books / Chapters | Books | | Chapters | |
| | | Nil | | 3 | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 6 | | 386.46 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | Nil | | Nil | |
| 7. | Patents | Granted | Published | Filed | |
| | | 2 | 2 | 1 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | Nil | 1 | 2 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | 7 | - | 5 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| | | 5 | | 5 | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| | | Nil | | 7 | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| | | 5 | | Rs 62.12 L | |
| 13. | Ph. D graduation | Full Time | | Part Time | |
| | | 7 | | 7 | |

(Left)
Inauguration
of
PRODIGY'24
4 April 24th
2024. (Right)
SERB
Sponsored
One Week
High-End
Workshop 5th
June 2023.



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 2023 - 24)

| S. No. | Details | Total Nos. |
|--------|--------------------------------|---|
| 1. | Internet Bandwidth | Upgraded to 12 Gbps |
| 2 | Lab Infrastructure | Additional 132 AIO Computers purchased and Installed at Third 'I' Building |
| 2. | Software Infrastructure | Microsoft Campus License renewed to 3 Years |
| 3. | Service Automation | Course Plan portal upgraded; access has been given to the users to upload their course plan |
| 5 | Wi-Fi Infrastructure | Two New Hostels (Opal-F & Amethyst) equipped with 450+ FTTH ONT |
| 4. | E-Governance | MoE initiative Samarth e-Gov suit with multiple modules implementation initiated. |
| 7 | Class Room Infrastructure | i. Implementation of Class Room Infrastructure initiated under HEFA ii. 12 Class Rooms Currently Equipped Package Air Conditioning unit. |
| 5. | Training | Conducted Skill development program for the Technical Staffs. |
| 9 | IT Support to the Recruitments | i. IT Infrastructure support provided to Faculty Recruitment CBT Exams, ii. Non-Teaching Group A, B, C CBT Exams, iii. TAFFCORN Exam. |

(Left) Newly Purchased AIO Computers.
(Right) Skill development program for NITT's Technical Staff



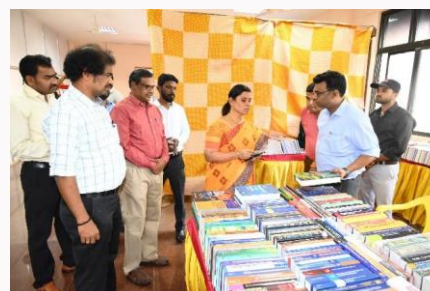
Department of Central Library

The Central Library, the heart of the Institute, was established in 1964. The Library is well-equipped, centrally located with easy access, and provides the right impetus for the intellectual growth of the students, teachers, research scholars & others. It is a hybrid library with state-of-the-art technological applications. The integrated Library software has automated most of the Library's functions. The Library has a fast-growing collection of books, journals, and magazines, both in print and digital format, covering most disciplines taught and researched at the Institute, which consists of knowledge resources predominantly related to Engineering, Science and Technology, Humanities, Social Science Management & other allied subjects. On the Diamond Jubilee celebration occasion, the Central Library conducted a Book Exhibition. Through the exhibition, faculty members and research scholars selected and acquired 3980 books to enrich the library collection. It has over two and a half lakhs of technical books, reports, standards, and CD-ROMS documents. Presently, library subscription covers 84 periodicals (print) and 8000+ e-journals. And there are 1995+ e-books besides a holding of 17690 back volumes of journals. The Library also contains 16,750 books in the Book Bank scheme. RFID technology for document identification and library security systems has enhanced circulation services. Library Integrated Automation Software LIBSYS has moved to the cloud server to provide broad access to catalogue information on the collection.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-----------------|-----------|-------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles | | | | |
| 2. | Research Citations | Scopus | | | |
| 3. | Conference / In Proceedings | National | | International | |
| 4. | Books / Chapters | 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 | Book Exhibition | | Event | |
| | | 1 | | 1 (Library Week) | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | | 1 | 1 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| 12. | Procurement of Equipment | Number | | Amount (in Lakhs) | |
| 13. | Ph. D graduation | Full Time | | Part Time | |

(Left) Librarian's Day Seminar on Information Literacy of IEEE Literature in the Digital Era on 09-08-2023
 (Right) Diamond Jubilee Book Exhibition on 17-19.08.2023.



Department of Training & 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 23-24, securing jobs for over 1300 students representing an impressive 85% placement of the registered students as on date (21-04-24). With the placement process still in progress, the Institute is expected to end the year with near normal placements, despite unfavorable global tremors. The Institute has a corporate styled exclusive premise for T&P named CAPSTONE. - the final decorative coping stone in a monument. In academia CAPSTONE also means 1) culmination/usually integrative experience of an educational program, 2) focus on student outcomes and employability. Diamond jubilee at T&P: as part of Diamond jubilee celebrations, students of the Department of Architecture completed a mural which expresses CAPSTONE in art form. T&P also conducted a three-day student focused, industry driven, career preparation workshop titled Aikyam-confluence of Industry and academia for the students of junior classes in order to orient them towards industry.

Department Achievements (AY 2023 - 24)

| S. No. | Details | Total Nos. | | | |
|--------|---|-------------------|------------------|--------------------------|-----|
| | | SCI | SCIE | Scopus | WoS |
| 1. | Journal Articles* | 4 | - | - | - |
| 2. | Research Citations | Scopus | | | |
| 3. | Conference / In Proceedings | National | | International | |
| 4. | Books / Chapters | Books | | Chapters | |
| 5. | Sponsored Projects | Numbers | | Amount (in Lakhs) | |
| | | 1 | | 6.6 | |
| 6. | Consultancy | Numbers | | Amount (in Lakhs) | |
| | | 2 | | 0.5 | |
| 7. | Patents* | Granted | Published | Filed | |
| | | - | 2 | 1 | |
| 8. | Technical Events Organized by the Department | Conference | Seminar | Workshop | |
| | | | | 1 | |
| 9. | Technical Events Attended by Faculty and Students | Conference | Seminar | Workshop | |
| | | | | >1000 | |
| 10. | Guest Lectures | Delivered | | Organized | |
| 11. | Fellowships / Internship in Abroad | Faculty | | Students | |
| 12. | Procurement of Equipment (for SCIEnt) | Number | | Amount (in Lakhs) | |
| | | 7 | | 1.25 | |
| 13. | Ph. D graduation | Full Time | | Part Time | |

*As faculty of the Department of Energy & Environment

(Left) Aikyam-CareerPrep Workshop for students of junior classes 5-7, April 2024. (Right) Diamond Jubilee Mural-Capstone in Art form by Arch students.



CENTRES

Centre of Excellence in Manufacturing (CoEM)

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

1. Skill Development Programs & Consultancy works:

CoE(M) has been regularly conducting various Skill Development Programs for both Internal and External students, in order to provide them with technical exposure and to bridge the gap between academia and industrial requirements. In last one year, CoE(M) has conducted a total 19 such programs with consists of, 6 Internship programs, 5 short-term trainings, 4 workshops and additional support for 3 internal & 1 external workshops. These activities have benefitted over 500+ students, both internal and external. CoE(M) also carries over various consultancy services for both internal students and external industries. A combined revenue of around Rs. 6.5 lakhs were generated through both the activities, in last one year.



2. Curriculum laboratory sessions for NITT students:

Regular curriculum lab sessions, for B.Tech as well as M.Tech students of NITT, are conducted in various labs of CoE(M). These include students from Production Engineering, Instrumentation & Control Engineering and Mechanical Engineering. In the last one year, 8 such regular curriculum lab sessions were conducted, and additionally 10+ NITT students utilized various facilities present in the CoE(M).



3. Conduction of Centre Visits:

As a part of providing Industry-level exposure to various colleges and schools in and around Trichy, CoE(M) carries out Centre Visits for them from time-to-time. The visits are conducted on request basis and complete display of all the facilities present in the centre, is done. In the last one year, 65+ colleges and schools were provided with these opportunities, benefitting

around 3,500 students in the process. Also, sum total of Rs. 1.95 lakhs were collected as visiting charge for the same.



4. Support for Skill Hub activities (under PMKVY 4.0):

Since March 2023 onwards, various courses under the Skill Hub program (as part of Central Gov. scheme PMKVY 4.0) were initiated and CoE(M) staff members are fully undertaking all the management of courses, data record keeping and support during assessment exams, since then. As of now, 8 courses have been completed, benefitting around 200+ candidates and many courses are currently in the pipeline.



Overall, CoE in Manufacturing has generated a sum total of around Rs. 8.40 Lakhs as revenue through all the activities, in the last one year.

Centre of Excellence in Emergency Response Support System (CoE ERSS)

Emergency Response Support System (ERSS)

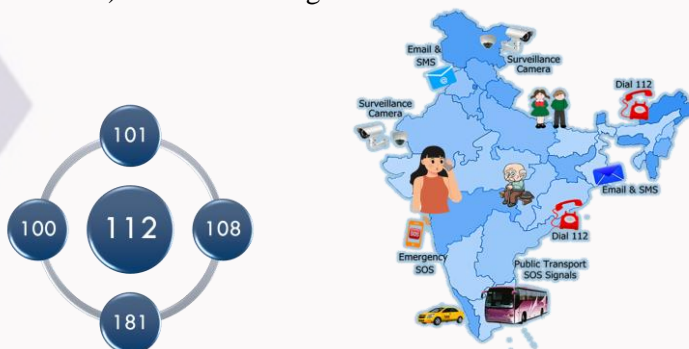
Emergency Response Support System (ERSS) is a Pan-India single number (112) based emergency response system for citizens in emergencies. Each State/ UT is required to designate a dedicated Emergency Response Centres (ERC) to handle emergency requests.

Emergency Response Support System (ERSS) is the vision of Govt. of India to launch an integrated emergency response system with a single emergency number 112, to address different emergencies of citizens. ERSS is designed to address all emergency signals received from citizens through voice call, SMS, e-mail, panic SOS signal, ERSS web portal etc.

A mobile App called '112 India' was introduced by the Govt. of India, to quickly raise a request for help when a person is in emergency, by pressing a button to send alert messages with location data and make an emergency call to 112. This facility will aid the concerned service agencies to reach out the requestor quickly.

The automated facility being setup for this purpose in the capital cities of all States and UTs, called Public Safety Answering Point (PSAP), will handle all these emergency signals and provide assistance available to the people in distress within the best possible time with the help of Police, Fire & Rescue, Health services etc.

ERSS tracks the rescue and service vehicles of all services (Police, Fire, Health etc) in real-time on a digital map of the State/UT and hence it will be possible to direct the right vehicle(s) to reach the service requestor and provide necessary support immediately. Henceforth, all the existing emergency numbers like 100 (police), 101 (Fire and Rescue) and 108 (ambulance), 181 (Woman and Child Care) etc. will be integrated to unified number 112.



If you require emergency assistance from Police, Fire & Rescue, Health and other services, you may:

1. Dial 112 from your phone;
2. Press power button on your smart phone 3 times quickly to activate Panic call;
3. In case of feature phone, long press '5' or '9' key to activate Panic call;
4. Log on to State ERSS website and place your SOS request;
5. Email SOS alert to State ERC; and
6. Use 112 India Mobile App (available in Google Play Store and Apple store) to activate a panic call to ERC.

ERSS features

1. 24x7 Effective Services for Citizens
2. Automatic Location Identification of The Caller/Victim
3. Dynamic Emergency Response Service from The Nearest Emergency Response Vehicle
4. Service from Police, Fire, Medical and Natural Disaster Management Teams
5. Emergency Service Coordination from A Centralized Control Centre in State Capital/UTs
6. Improves Decision Making in Emergency Situation Which Minimizes Response Time
7. Live Tracking of Emergency Response Vehicles
8. Totally 'Indigenous' Software Solution Developed By C-DAC

Centre of Excellence in Emergency Response Support System (COE ERSS)

Centre For Development Of Advanced Computing, Thiruvananthapuram (Cdac-T) Had Sanctioned Rs 50 Lakhs, as Research Consultancy

The Centre of Excellence in Emergency Response Support System (COE ERSS) stands as a beacon of hope and efficiency in times of crisis. Established with a vision to revolutionize emergency response systems, COE ERSS serves as a hub of innovation and collaboration. By leveraging cutting-edge technology and strategic partnerships, COE ERSS ensures swift and effective responses to emergencies, saving lives and mitigating risks. Through advanced data analytics, real-time monitoring, and seamless coordination with relevant authorities, COE ERSS sets a new standard in emergency management. With a dedicated team of experts and state-of-the-art infrastructure, COE ERSS is committed to safeguarding communities and fostering resilience in the face of adversity.

Team Members

- Dr. N SIVAKUMARAN, Prof, Dept of ICE - Head Of The Centre
- Dr. T. K RADHAKRISHNAN, Professor (HAG), Dept. of Chemical Engineering
- Dr. SISHAJ P SIMON, Prof., Dept. of Electrical and Electronics Engineering
- Dr. M. VENKATA KIRTHIGA, Prof., Dept. of Electrical and Electronics Engineering
- Dr. K. SRINIVASAN, Prof, Dept of ICE
- Dr. M. BRINDHA, Associate Prof., Dept. of Computer Science Engineering,
- Dr. B. REBEKKA, Associate Prof., Dept. of Electronics and Comm Engineering
- Dr. B. JANET, Associate Prof., Dept. of Computer Applications,
- Dr. P. A. KARTHICK, Associate Prof, Dept of ICE

Dr. C. Sylendra Babu IPS, Director General of Police, Govt of Tamilnadu inaugurated the Center of Excellence in Emergency Response Support System (COE ERSS) on February 1, 2023.



List Of Infra Structure Provided By CDAC-T

1. Server with 20TB storage, Two PCs with dual screens, Two IP phones, Two electronic tablets
2. Installation of Servers and Clients
3. Setting up and configuring the basic digital maps
4. PRI / Analog connectivity for routing of voice calls
5. Configuring voice, SMS, email gateways
6. Porting of operational data and System administration
7. Setting up a 'Panic' signal receiving gateway
8. Provisioning of necessary data / libraries / COTS software for the research works

First International Conference - Intelligent Solutions For Emergency Support And Disaster Management - ISERDM 2023

- Jointly Organized By The Centre Of Excellence In Emergency Response Support System (CoEERSS), National Institute Of Technology Tiruchirappalli (NIT-T), And Centre For Development Of Advanced Computing (C-DAC), Thiruvananthapuram
- Inaugurated By Dr.V. Thiruppugazh Retd IAS, Chairman, Advisory Committee On Flood Mitigation For Chennai Metro And Former Advisor, National Disaster Management Authority (NDMA), Ministry Of Home Affairs On Jan 2023



Panel Discussion

Dr. Kurupath Radhakrishnan, Senior Consultant Neurologist, Avitis Institute Of Medical Sciences, Palakkad

- Suggested that social media could be leveraged to increase the reach of broadcasts among youngsters

Dr. S. Kumaravel, Professor, Thanjavur Medical College

- Explained that the chance of survival of victims of accidents decreases quickly during the golden hour. therefore, he encouraged the members in the audience to seek emergency service, immediately without worrying about legal implications while coming across persons in distress

Dr. Paramesh Shamanna, Medical Director at Twin Health

Workshop on Essence of Emergency Response Support System Conducted, at the National Institute Of Technology Tiruchirappalli in hybrid mode



28 Hour Hackathon

Jointly With Datanetiix Solutions India Pvt. Ltd Was Conducted. 58 Teams of Two Participated. In the domains of app development, Machine Learning, Data Science, and IT/Web Security, jointly with Datanetiix Solutions India Pvt. Ltd, a pioneering force in the tech industry, an exhilarating event was conducted that brought together 58 teams of two from various academic institutions and backgrounds. This event, held under the banner of innovation and collaboration, encompassed domains crucial to the evolving technological landscape: app development, machine learning, data science, and IT/web security. Participants immersed themselves in challenging projects, pushing the boundaries of their knowledge and creativity. Through rigorous problem-solving and teamwork, they not only honed their technical skills but also forged bonds that transcended professional boundaries. The event served as a melting pot of ideas, fostering a culture of innovation and fostering the next generation of tech leaders.



Training For NIT-T Faculty and Students

- 8 internships were carried out by NIT-T students
- With a stipend of Rs 3000/- per month for three months

Over the summer break, eight industrious students from the National Institute of Technology, Tiruchirappalli (NIT-T), embarked on internships that not only enriched their academic journey but also provided invaluable hands-on experience. These internships, spanning diverse fields from engineering to finance, offered the students a stipend of Rs 3000/- per month for a duration of three months. As they delved into real-world projects and challenges, the students honed their skills, gained insights into their respective industries, and formed lasting connections with professionals. Through these enriching experiences, they not only contribute meaningfully to their fields but also paved the way for future career opportunities.



Research Studies

- The research work “CRIME DETECTION AND CRIME HOT SPOT PREDICTION USING BI-LSTM DEEP LEARNING MODEL” was funded by the Ministry of Home Affairs, Government of India
- Emotion detection on phone calls during emergency using ensemble model with hyper parameter tuning
- HPRXF Model: An Ensemble Transfer Learning-based Fusion model for handling Pandemic-related Calls received by the Emergency Response Support System
- Pre-trained ensemble model for identification of emotion during COVID-19 based on emergency response support system dataset
- Deep Learning Models for Fake calls detection using emotions data
- Location Based Security Advisory for Women Safety under the Development.



Visitors to the Center

Meeting with Mr. A. Kalaiselvan, The Director and Center Head at CDAC Thiruvananthapuram.

Mr. A. Kalaiselvan is a seasoned professional who holds the position of Director and Centre Head at CDAC Thiruvananthapuram. With a wealth of experience and expertise in the field, he leads the center with a focus on innovation and excellence. Mr. Kalaiselvan's leadership is characterized by his strategic vision and dedication to advancing technology and research initiatives. Under his guidance, CDAC Thiruvananthapuram continues to make significant contributions to the field of information technology and plays a crucial role in shaping the future of the industry.



Meeting with Dr. Srinivasan Sundararajan, Former Director NITT

An engagement was organized with Dr. Srinivasan Sundararajan, a distinguished figure who served as the Former Director of NITT and the retired Chief Director of DRDO, Hyderabad. Dr. Sundararajan is renowned as an outstanding scientist and has led the program team for BrahMos at DRDA.



Meeting with Mr. Richard Sekar - Alumni 83 Batch| 19Mar2024

Mr. Richard Sekar received the Distinguished Alumni Award (DAA) in 2022 under the category of "Excellence in service to society" for his impactful entrepreneurship endeavors with significant social relevance.



Meeting with Mr. Subi Krishnamurthy, alumni 85 Batch

A session was held with Mr. Subi Krishnamurthy, an esteemed member of the Alumni 85 batch and the founder and CEO of Pimic, a company headquartered in Cupertino, CA, USA



Centre for Advanced Manufacturing and Automation (CAMA)

- Name of the CoE/IDRL: Centre for Advanced Manufacturing and Automation
- Location: Building in which CoE located: Thiran Building
- Name of the Coordinator(s): Dr. M. Duraiselvam
- Details of faculty and staff involved: All faculty associated with Manufacturing CoE and a machine operator are involved in the Centre activities
- Total Fund sanctioned under HEFA: Rs. 10.3 Crores
- Fund utilized till date (Actual Cost Expended): Rs. 7.54 Crores

Details of equipment purchased

| S. No | Equipment detail with key specifications | Date of Installation and cost (in Lakhs) | Purpose |
|-------|---|--|-------------------------------|
| 1 | High-Temperature Indentation tester (to measure high-temperature hardness of the material) | 18.12.2020 85.5 Lakhs | Research/Consultancy |
| 2 | Laser Materials Processing cell (to perform laser shock-peening to improve fatigue property) | 17.12.2020 100.87 Lakhs | Research/Consultancy |
| 3 | Selective Laser Melting (SLM) based Additive metal manufacturing system (To print metal parts made of any functional materials) | 30.04.2021 476.41 Lakhs | Research/Consultancy |
| 4 | Upgradation of existing pico-second laser to femtosecond laser (to perform micromachining and texturing) | 28.11.2020 91.39 Lakhs | Research/Consultancy |
| 5 | Anisoprint Composer A4 3D printer (To print composite materials with the reinforcement of continuous fibers) (Purchased under DRDO Project fund) | 01.11.2022 20.50 Lakhs | Funded Project/Consultancy |



- (a) (b) (c) (d) (e)
- (a) High temperature indentation tester
 (b) laser shock peening system,
 (c) 3D Metal Printing,
 (d) Femto second micro machining,
 (e) Anisoprint Composer A4 3D printer

Research publications

1. Baskaran, J., Muthukannan, D., Shukla, R., & Konda Gokuldoss, P. (2024). "Manufacturability and deformation studies on a novel metallic lattice structure fabricated by Selective Laser Melting" *Vacuum*, 222, 113065. <https://doi.org/10.1016/J.VACUUM.2024.113065>
2. Jagadeesh, B., Duraiselvam, M., Bera, A. and Arya, A., 2023. Effect of laser micromachining and laser shock peening on the performance of Inconel alloy parts for aerospace application.
3. Jagadeesh, B., Duraiselvam, M., & Prashanth, K. G. (2024). "Deformation and energy absorption studies on FBCC and FBCCz lattice structures with symmetrical density gradients produced by L-PBF of Ti-6Al-4V alloy" *Materials Today: Proceedings*. <https://doi.org/10.1016/j.matpr.2024.02.008>

Number of PhD students working

| S.No | Name of the Student | Guide | Area of Research |
|------|--------------------------------|-----------------------|--|
| 1 | Dhilepan R (Full-Time) | Dr. M. Duraiselvam | Metal Additive Manufacturing |
| 2 | S. Nazeer (Full-Time) | Dr. M. Duraiselvam | Metal Additive Manufacturing |
| 3 | M. Ramakrishnan (Full-Time) | Dr. M. Duraiselvam | Metal Additive Manufacturing and Laser Shock Peening |
| 4 | B. Hemalatha (Part-Time) | Dr. M. Duraiselvam | Additive Manufacturing |
| 5 | Sundaresan (Part-time) | Dr. M. Duraiselvam | Laser Shock Peening |
| 6 | Padmanaban (External Ph.D) | Dr. M. Duraiselvam | Additive Manufacturing |
| 7 | Sriram (External Ph.D) | Dr. M. Duraiselvam | Additive Manufacturing |
| 8 | Srijith (QIP) | Dr. V. Satheesh Kumar | Metal Additive Manufacturing and Laser Shock Peening |
| 9 | Deepu Nair (QIP) | Dr. T. Jagadesh | Femtosecond laser micromachining |

Number of Project Staffs working

| S.No | Name of the Student | PI | Area of Research |
|------|---|--------------------|---------------------------------------|
| 1 | Mohamed Hussain K (Senior Research Fellow) | Dr. M. Duraiselvam | Digital Twin and robot control system |
| 2 | G. Venkatesh (Project Associate – II) | Dr. M. Duraiselvam | Metal Additive Manufacturing |
| 3 | Dr. RM. Sakthi Sadhasivam (SERB NPDP) | Dr. M. Duraiselvam | Metal Additive Manufacturing |

Number of PG students working

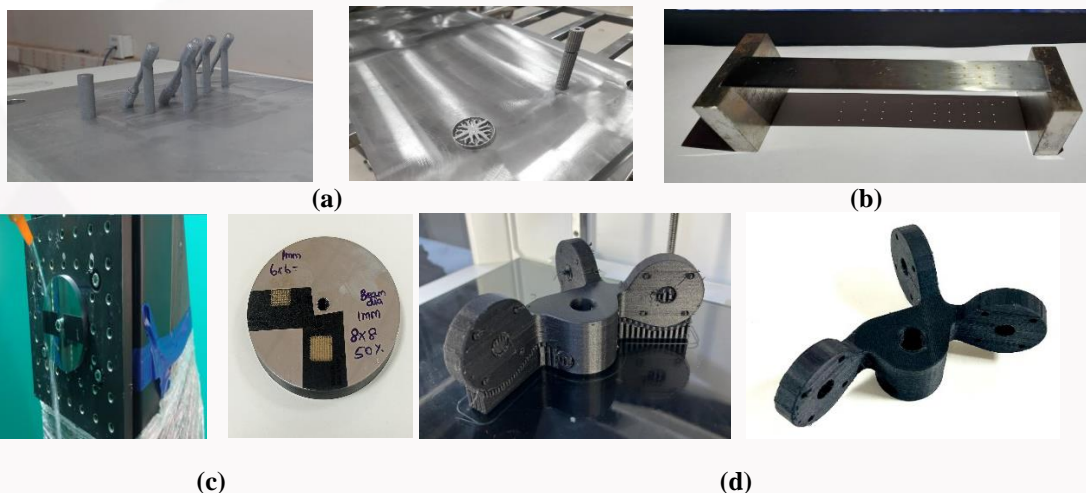
| S.No | Name of the Student | Guide | Area of Research |
|------|----------------------------|--------------------|------------------------------|
| 1 | Suroj Singh | Dr. M. Duraiselvam | 4D Printing |
| 2 | Ashish Kumar Chaurasiya | Dr. M. Duraiselvam | Metal Additive Manufacturing |

Number of UG students working

| S.No | Name of the Student | Guide | Area of Research |
|------|---------------------|--------------------|--|
| 1 | Shresth Bhakta | Dr. M. Duraiselvam | Composite 3D Printing and Machine Learning |
| 2 | Chirag Bhatia | | |
| 3 | Siddhesh Gaikwad | | |
| 4 | Ravichandran G S | Dr. M. Duraiselvam | CAD |

Consultancy

- Type of services provided: Additive manufacturing, laser shock peening, micromachining
- Number of consultancy provided: 8
- Revenue generated till 25.04.2024: Rs. 10.97 Lakhs
- Methodology followed to attract consultancy services: Advertisement in social media, delivering lectures, webinars, and live demonstration of the processes for students and faculty visiting the Centre.



- (a) 3D Metal Prints
- (b) Femtosecond Laser micro drilling
- (c) Laser shock peening on SAE 52100 disc
- (d) Anisoprint Composer A4 3D Printer, with and without support.

COLLABORATION

Departments using the CoEs with the details of faculty involved

| S.No | Name of Faculty | Department |
|------|--------------------------|------------|
| 1 | Dr. M. Duraiselvam | Production |
| 2 | Dr. V. Anandakrishnan | Production |
| 3 | Dr. V. Satheesh Kumar | Production |
| 4 | Dr. T. Jagadesh | Production |
| 5 | Dr. Vineet Kumar Yadav | Production |
| 6 | Dr. Santosh Kumar Mishra | Production |
| 7 | Dr. S. Moorthi | EEE |
| 8 | Dr. M. P. Selvan | EEE |

Details of industries/R&D organisations collaborating

| S.No. | Industry | R&D Organization |
|-------|-----------------------------|------------------|
| 1 | MIT Square, Bangalore | GTRE, Bangalore |
| 2 | nRoot Technologies, Tanjore | BHEL, Trichy |
| 3 | | ISRO, Trivandrum |

MoUs signed with industries/ R&D organizations/Academic institutions

| S.No. | Industry |
|-------|-----------------------------|
| 1 | MIT Square, Bangalore |
| 2 | nRoot Technologies, Tanjore |

FUNDED PROJECTS

Number of projects applied to various funding agencies with details

| S.No. | Short Title of the project | Name of the PI and Co-PI | Funding Agency | Remarks |
|-------|--|--|----------------|--------------|
| 1 | Laser Shock Peening of Titanium based alloys of aero-engine components | Dr. M. Duraiselvam Dr. V. Anandakrishnan Dr. T. Jagadesh Dr. Vineet kumar Yadav | DFTM | Under Review |

| | | | | |
|---|--|---------------------------------------|-----|--------------|
| 2 | Femtosecond based micro-drilling studies | Dr. T. Jagadesh Dr. M. Duraiselvam | DST | Under Review |
| 3 | Numerical modelling and experimental investigations of 3DP metallic structures | Dr. Vineet Kumar Yadav | DST | Under Review |

Details of ongoing sanctioned projects

| S.No. | Short Title of the project | Name of the PI and Co-PI | Funding Agency | Cost (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 |

Courses Organized

| S.No | Workshop Title | Title of Lecture/Delivered by | Organizing Institute | Date |
|------|--|---|----------------------|-----------------------|
| 1 | One week Faculty Development Program on Composite Additive Manufacturing | Dr. M. Duraiselvam Dr. V. Anandakrishnan Dr. S. Vinodh Dr. T. Jagadesh Dr. Mallikarjuna Dr. K. Sivaprasad & eminent professors and scientists from various organizations. | CAMA, NIT Trichy | 18 – 22 December 2023 |



Courses participated/lectures delivered:

| S.No. | Workshop Title | Title of Lecture/Delivered by | Organizing Institute | Date |
|-------|---|--|--|---------------------|
| 1 | One day Faculty Development program on composite Additive Manufacturing | Research opportunities in Additive Manufacturing- Dr. M. Duraiselvam | National Institute of Technology Tiruchirappalli | 18-22 December 2023 |

Plan For Next 3 Years (Goals)**Short term Goals (Within a Year)**

- Organization of Workshops/Conferences/Faculty Development Programs
- Increase the consultancy revenue
- More MoUs with Industries, Institutes and R&D Organizations

Medium term Goals (2-3 Years)

- Industrial consultancy
- R&D Projects
- Institutional projects
- New product development
- Upskilling of employees
- Foreign collaborations
- Paid internships
- Patent submission
- Research paper publications

Long-term Goals

- Offer Certified courses
- Facilitating spin-off companies
- Adding more facilities related to additive manufacturing, smart systems to convert this into an Additive Manufacturing Hub and cater to the requirements of Industry 4.0 principles

Sophisticated Instrumentation Facility (SIF)

The Sophisticated Instrumentation Facility (SIF) at NIT Tiruchirappalli encompasses cutting-edge resources that play a pivotal role in advancing research and development across various fields of science and technology. This facility typically comprises state-of-the-art equipment and serves as a hub for innovation and novel research.

SIF has been operating with dedicated office space and exclusive technical staff since 2021. It has been working towards implementing a single-window system for booking the facility through the ISTEM portal. Workshops and hands-on training utilizing high-end equipment are regularly organized by SIF to develop skilled manpower and foster a scientific temper.

Moreover, SIF has been regularly conducting testing and characterization, generating 7 Lakhs of revenue for the FY 2022-23 and a total of Rs. 11 Lakhs to date. Additionally, SIF has been providing support for Institute-level projects such as DST SATHI, DST SUPREME, and supplying data to departments for DST FIST.

1. Skill Development Programme:

SIF conducted the four workshops/training programmes during the FY 2022-23.

- DST STUTI High end workshop with NIT Warangal
- Perkin Elmer Academia Research Forum 2023
- SAMAVESHA Episode-3 One day program on National Science Day jointly with I-STE, Bangalore
- SERB Karyashala funded 7 day high end workshop in March 2024



Samavesha Event (National Science Day)



Karyashala Workshop (March 18-24, 2024)

2. Consultancy/Testing services executed:

| Content | From April 2023 to March 2024 |
|--|-------------------------------|
| Total number of Test | 1341 |
| Testing Charges Internal (Rs.) | 1,89,273.34 |
| Testing Charges External (Incl.of.GST) (Rs.) | 5,06,568.07 |
| Total testing Charges (Rs.) | 6,95,841.41 |
| GST (Rs.) | 77,272.95 |
| Expenditure (Rs.) | 35,292.50 |
| Available amount (Rs.) | 5,83,275.96 |

Following equipment have been utilized in the testing & consultancy activities of SIF during FY 2023-24:

| Sl. No | Item | Number | Equipment Cost (Lakhs) | No. of Test | Revenue generated |
|--------|---|--------|------------------------|-------------|-------------------|
| 1 | Differential Scanning Calorimetry | 01 | 20.54 | 176 | 1,01,516.16 |
| 2 | Thermogravimetric Analyzer | 01 | 30.46 | 331 | 2,81,727.72 |
| 3 | Trident C-Therm Thermal Conductivity Analyzer | 01 | 39.25 | 51 | 64,369.71 |
| 4 | UV-Visible Spectrometer | 01 | 10.00 | 113 | 13,730.03 |
| 5 | FTIR Spectrometer | 01 | 11.55 | 204 | 38,303.75 |
| 6 | Force Tensiometer | 01 | 25.96 | 33 | 13,928.50 |
| 7 | Rheometer | 01 | 12.98 | 98 | 61,085.01 |
| 8 | KD2 Pro Liquid Thermal Conductivity | 01 | 5.03 | 40 | 12,818.00 |
| 9 | Laser Flash Apparatus | 01 | 32.16 | 10 | 13,600.00 |
| 10 | Contact angle Meter | 01 | 12.95 | 240 | 51,088.53 |
| 11 | LCR | 01 | - | 17 | 3,400.00 |
| 12 | Thermal Chamber | 01 | 18.34 | 1 | 5,700.00 |
| 13 | CECASE | - | - | 27 | 20,178.00 |
| 14 | Consumable charges during workshop | | | - | 14,396.00 |
| Total | | | 219.22 Lakhs | 1341 | 6,95,841.41 |

3. Other contributions:

- Support during different phases of DST SATHI proposal
- Submission of DST SUPREME proposal
- Health Check up by Perkin Elmer team of 20 equipment for free of cost
- Revival of DSC equipment and FTIR in Dept. of Chemical Engineering
- CECASE equipments consultancy started through SIF
- Centre visit has been facilitated for college students visiting the Institute from outside and officials visit to the Institute
- Hands on training & Demonstration provided during workshops organized by Dept. of Chemical Engineering and Dept. of Mechanical Engineering (SPARC workshop)



Centre for Entrepreneurship Development and Incubation (CEDI)

1. CEDI Incubation Program Promoting Entrepreneurship/Startup at PSG Institute of technology and Applied Research, Coimbatore on April 11th 2023. Total No. of Participants: 103



2. CEDI Incubation Program Promoting Entrepreneurship/Startup at Sri Ramakrishna Engineering College, Coimbatore on 12th April 2023. Total No. of Participants: 115



3. Collaboration MoU with TIDITSSIA: CEDI -NITT and Tiruchirappalli District Tiny and Small-Scale Industries Association (TIDITSSIA) has signed on MoU for Building MSME's and startup ecosystem on 23rd May 2023.



4. Collaboration MoU with TREAT:

CEDI -NITT and Tiruchirappalli Engineering and Technology Cluster (TREAT) has signed on MoU for Building MSME’s and Startup eco system on 23rd May 2023.

CEDI NIT-T signs MoU with TREAT

June 03, 2023 12:23 am | Updated 12:23 am IST - TIRUCHI

THE HINDU BUREAU

Centre for Entrepreneurship Development and Incubation (CEDI) of National Institute of Technology – Tiruchi (NIT-T) recently signed a memorandum of understanding (MoU) with the not-for-profit organisation Tiruchirappalli Engineering and Technology Cluster (TREAT) to boost innovation and collaboration among start-ups and Micro, Small, and Medium Enterprises (MSMEs) in the region.

TREAT is supported by the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry and equity participation from Tamilnadu Industrial Development Corporation (TIDCO).

According to an official statement, the MoU was signed by M. Umapathy, director of CEDI NIT-T and K. G. Muralidharan, managing director of TREAT. G. Krishnan, Tamil Nadu Industrial Investment Corporation Limited (TIIC) participated in the meeting with senior officials.

As per the arrangement, effective for three years from the date of signing, TREAT will provide start-ups incubated in CEDI NIT-T with access to shared facilities, research and development infrastructure. It will also offer mentoring, advisory support, and market opportunities for start-ups.



5. Co Incubation partnership MoU with STPI, Chennai:

CEDI -NITT and Software Technology Parks of India (STPI) has signed on MoU for building a startup eco system on 05th June 2023 at New Delhi



6. Call for Summer Student Internship:

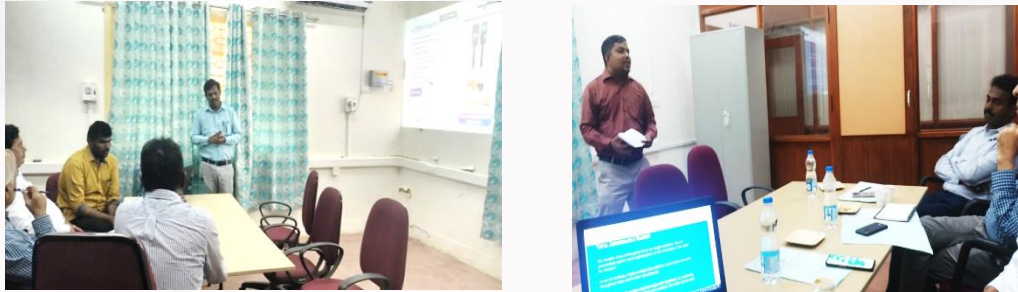
CEDI call for summer student internship advertisement as posted on NITT official website and received 25 applications from students through mail and CEDI conducting telecall interview on 08th & 09th June 2023 and two students was selected for CEDI summer student internship.

7. Incubatee Quarterly Review Meeting on 19 June 2023

| Sl.no | Name of Incubatee Company |
|-------|--|
| 1. | B3D Toys India Pvt.Ltd (Faculty Startup) |
| 2. | Prognostik Healthcare Instruments Pvt. Ltd (Faculty Startup) |
| 3. | Inventglo Technology Solutions Pvt.Ltd (Faculty Startup) |
| 4. | Susprod Renewable Products Pvt.Ltd (Faculty Startup) |
| 5. | SciX (Student/Scholar) |
| 6. | Trawello Healthcare Services Pvt.Ltd |
| 7. | Taizo Technologies Pvt.Ltd |
| 8. | Ettenly Petrochemicals Pvt.Ltd |
| 9. | Dreem Home |
| 10. | V2RT Insuretech Solutions (OPC) Pvt.Ltd |
| 11. | Elixir SensAI |
| 12. | Social Welfare Integral Trust (SWIT) |
| 13. | Pulsative Lifeworks Pvt.Ltd |
| 14. | Trichy Aerospace Pvt.Ltd |

10. Investor Connect Pitch Event

| Sl.no | Interested Startups Name |
|-------|---|
| 1. | V2RT Insuretech Solutions (OPC) Pvt.Ltd |
| 2. | Prognostik Healthcare Instruments Pvt.Ltd (Faculty) |
| 3. | PSchool Edutech Pvt.Ltd |
| 4. | Waystores |



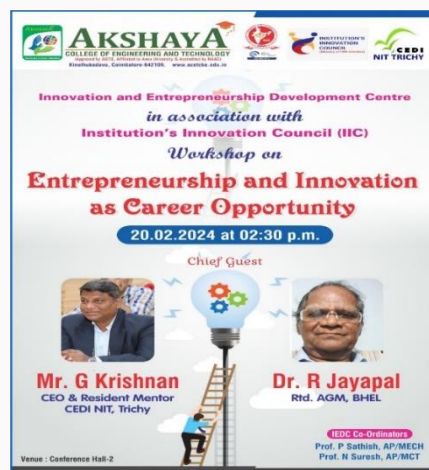
11. CEDI Organised a Two Day National Workshop on “Adoption of E-commerce for MSMEs” on 14th & 15th NOV 2024. 107 MSMEs benefited



12. CEDI Organized a programme for Women Entrepreneurs stating their challenges and achievements towards the growth of their business which was held on 17th Feb 2024 in ALLINDIA RADIO STATION, Trichy.



13. CEDI Incubation Outreach Programme in Akshaya College of Engineering and Technology, Coimbatore held on Feb 20th 2024, topic : Entrepreneurship and Innovation as Career Opportunity. Total No of Participants: 100 + Students and Faculty Members.



14.CEDI Signed an MOU with IMAYAM College of Engineering Arts and Science for Carrier Opportunity in Entrepreneurship. MOU was made on Feb 22nd 2024. Program Name: An Investigation on Innovation and Incubation : for Young aspiring Entrepreneurs.Total No. of Participants : 100 + Students



15. PRAGYAN Techno Fest Event Conducted by NIT Trichy, Our Incubatee Companies and MSME'S were Participated held on 23rd & 24th Feb 2024. Program Name: PRAGYAN annual techno – management festival of NIT.

CEDI Incubatee Companies Participants

1. Fureboat Pvt Ltd
2. B3D Toys Pvt Ltd
3. Healthy Kid

MSME Participants Women Entrepreneurs

1. Live Hills Organic Mart
2. SM Home Grown (Theenasari Keera)
3. Shriya Home made Soaps



16.SAMAVESHA'24 Event on National Science Day was Conducted by NIT Trichy held on 28th Feb 2024, CEDI Co-Sponsored event

Programme Name: Samavesha'24 This event was launched by NIT and I-STEM Bangalore, was as initiative to promote indigenous technologies to celebrate National Science Day. Total No of Participants: 100 + Faculty members





Dr.Manju Bhargavi , Women Scientist NITT, Elixir SensAi, Product Showcase

17. CEDI Participated in Madurai Startup Conclave Madurai, Hotel Heritage was held on 28th Feb.2024

Program Name: CII Madurai Startup Conclave Product showcase and Industry Connect. This programme objective is to highlight and deliberate the key areas of collaboration for corporate – startups in unlocking innovations and avenues for corporate. Aimed at Industry Connect and Product Showcase



18. CEDI participated in the event the Programme aimed at new initiative launches, panel discussions, and engaging CSR workshop.



19.Total No of Industries Participated 150+ 23. TamilNadu Startups Incubator Summit in Chennai, Hilton held on 29th Feb 2024. Total No of Participants 150+ Incubators



20.CEDI conducted Entrepreneurship and Incubation awareness program in NIT Trichy, held on March 11th 2024.

Created Awareness about CEDI Incubation Support System in NIT Campus during their Campus visit to NITT for Excel College of Engineering Students.



21.CEDI Organised a event for NIT Students in creating awareness Program in the Topic “Empowering Entrepreneurship” Unveiling NITT’S CEDI Incubation Support System in NIT Trichy, on March 11th 2024



22.CEDI Organized a training for the women entrepreneurs for the Tribal welfare Project at Pachchalmai, Thuraiyur on Vermicompost Hands on-Training and Capacity Building Program of SHG members 25 Tribal women : 21st March 2024.



STUDENTS ACTIVITIES

Festember

The 49rd edition of Festember, themed 'Kyoto Chronicles,' marked a jubilant celebration of Japanese culture. The festival exuberantly showcased a harmonious blend of all things Japanese, spanning from the captivating landscapes and majestic gates to its soul-stirring music and rich artistic heritage. This year's Festember witnessed a staggering surge in participation, drawing thousands of enthusiasts to partake in its myriad events and proshows.

The Carpe Diem segment of this year's festival remained as spectacular as its predecessors, boasting a stellar lineup of accomplished artists, musicians, and thought leaders. Some notable highlights included guest lectures by singer Madhushree, the sensational Hip-Hop Adhi, and the renowned 'Art Attack' presenter, Gaurav Juyal.

Festember 23 also played host to the crew of 'Jigarthanda 2,' who engaged the audience with an enthralling movie promotion event. The number of performances shows nearly doubled, with each night graced by mesmerizing performances from renowned artists such as Thaikkudam Bridge, Neeti Mohan, and DJ Julia Bliss. An indie stage was set up to provide a platform for budding, aspiring artists to showcase their talents. Furthermore, Festember joined hands with SPIC MACAY to present two captivating cultural performances rooted in traditional Indian arts.

Taking a proactive stance on societal issues, Festember 23 collaborated with the Central Bureau of Communication to conduct an anti-drug and anti-alcohol awareness campaign, exemplifying the festival's commitment to promoting responsible living.

True to its tradition, Festember 23 offered a diverse array of events for students, including over 60 events, 12 workshops, and engaging informal activities. Additionally, there were crowd engagement events that allowed attendees to participate wholeheartedly in the festival's vibrant atmosphere.

In a remarkable show of corporate collaboration, Festember 23 partnered with industry giants such as Coca-Cola, TVS, AGS, and the Bank of Baroda. In a bid to authentically celebrate Japanese culture, an exquisite Japanese exhibition was curated, where students had the opportunity to partake in traditional Japanese games and explore artistic endeavors like block painting and calligraphy. The valediction ceremony was graced by the esteemed presence of Mr. Taga Masayuki, the Honorable Consul General of Japan, who added a touch of distinction to the event.

In summation, Festember 23 was an extraordinary visual and cultural feast, providing a profoundly enriching experience for all participants. The festival served as a gateway for students to immerse themselves in the multifaceted tapestry of Japanese culture, offering a unique opportunity for cultural exploration and exchange.

Pragyan

Pragyan, the esteemed international techno-managerial organization of NIT Trichy, established in 2005 is one of the largest international techno-managerial extravaganzas in the country. This year, Pragyan took place from 22nd February to 25th February 2024.

With the theme "Chronocle: The Saga of time," Pragyan '24 transported attendees to a world that went beyond the present, narrating dreams of the past and ambitious visions of the future. The festival offered a diverse array of competitions, exhibitions, and workshops designed to showcase the latest trends in technology.

In preparation for Pragyan'24, a series of social initiatives were undertaken.

- "Bag of Delight" project, focused on enhancing the educational environment for children in government schools.
- Cyclothon, a cycle rally aimed at raising awareness for cancer saw 500 participants.
- "Seedsplash" wished to increase green cover by scattering seeds in barren land in the Trichy-Tanjore-highway.

Mr. Laxmesh BH, Vice President and Head of Missiles & Aerospace Business, L&T Defence, Larsen & Toubro, was the Inaugural chief guest. Dr N. Kalai Selvi, Director General, CSIR & Secretary DSIR graced the valediction ceremony with her presence. Pragyan NIT Trichy also hosted Dr. P Veeramuthuvel, the mastermind behind India's lunar mission. The NITT alumnus, delivered an enlightening talk, unravelling the technicalities of ISRO's incredible lunar mission.

This edition of Pragyan also showcased a distinguished lineup of guest lectures by experts, notably Nobel laureate Dr. Richard Robert, Shreya Dasgupta, Arsh Ali, Sessa Kanthamraju, Anuj Dhar, Chandrachur Ghose and Savio Mascarenhas. Workshops were led by leading companies such as Texas Instruments, Intuit, HT India Labs, Latent View, Analog Devices, Upstox, KPMG, Cybage, Autodesk, MongoDB, Grant Thornton, and Cisco. Pragyan'24 hosted 34 events spread across 7 clusters (Bytehoc, Manigma, Innovix, Robospire, Pixalette, Pandora's Box and Phronesis). Along with this, Pragyan also conducted Hackathon in three different domains. Attendees also witnessed cutting-edge robotics technology including the Bionic Quadrupled Robot, the Multi Humanoid Robot Show, Zafira Robot, Gesture Controlled Drone, AI enabled Drone, Rhumi hybrid rockets, ISRO Space Bus and satellites by Space Zone Chennai. Pragyan organized Sangam and Ingenium, events aimed at fostering out-of-the-box thinking and to showcase their creativity through inventions and ideas under various verticals like Healthcare, Defence and Environment. The Student Center for Innovation in Engineering and Technology, known as SCIEnt, collaborated with Pragyan this year to host a two-day event titled OpenHouse. The event aimed to showcase a multitude of projects made by the student community.

Each year, Pragyan's infotainment shows exceed audience expectations. This year's lineup included acts such as Kaashi Fire Crew's Fire Act, Skippers Crew act and the Light Crew's LED Flow Act. Pragyan'24 also featured incredible shows by Aerial Acts India, and performances from Naresh Iyer and Non-Violinist Project on the final day. Pragyan provided a platform for many bright students to show their skills, encouraging innovation and idea-sharing among students and industry leaders alike.



NITTFEST

NITTFEST' 24, the 31st edition of the renowned annual inter departmental cultural festival, held at the National Institute of Technology, Tiruchirappalli (NITT), unfolded with the theme, "Cine-Cinnati: The Spectacle of Stardom" and held between 14/03/2024 & 17/03/2024. The pre-events started from Nov 18th, comprising of a series of fun events named "Murder Mystery" which ended the day with the most anticipated "Halloween Party". Also, the pre-fest events of Nittfest' 24 provided a glimpse of the grandeur that awaited attendees during the main festival. The presence of Kalidas Jayaram and Sanjana Natrajan, a cinematic luminary, in the pre-fest lineup heightened expectations, and their discourse on cinema and societal good left an indelible impression on all those who attended. Midnight Madness, on the other hand, ensured that the festival commenced on a high note, embracing the spirit of unbridled enthusiasm that Nittfest is known for.

The fest officially commenced with a spectacular inaugural ceremony on Day 0. The inauguration was followed by an eclectic mix of events including Manoranjan, where participants captured the audience with their unique talents. It was a vibrant kick-off to the festival, promising an electrifying four days ahead.

Day 1 of Nittfest' 24 transformed into a dynamic showcase of diverse events delivering its unique brand of entertainment. Movie Spoof and Jord Indian, invoked laughter and excitement and captivated the audience with creative expressions. In Professor's Got Talent, the academic staff flaunted hidden talents. Informal Stage entertained the students, with its Nuked Natak, Food eating Challenge and Roastathon and Logos, with its Culinary Quest, General Quiz, Solli Addi, Fill the Poem, What's the Good Word, Caricature, Scrabble, JAM and Meme making. With new events every year, this Nittfest also held the department "Parade", with every department showcasing their unique talents in arts and cultures.

Day 2 of NITTFEST'24 kicked off with Channel Surfing and a Star Guest Lecture by GV Prakash. The day was packed with a range of events, from traditional classical vocals to modern Eastern vocals, along with engaging competitions. Literature events showcased talent across languages. The Informal Stage was packed with gaming cluster where students engaged themselves in playing FIFA and Valorant. The Dance Duet and Freestyle Battle in informal stage is worth the mention. The day also witnessed Battle of Bands. The day ended with X-nite, turning the atmosphere electric with musical showdowns.

The last day of NITTFEST'24 was filled with excitement. Entertainment was delivered in classic style starting the day with Quawali, Eastern and Western Instrumentals followed by a standup comedy show by Swathi Sachdev. This musical start to the day was then carried forward by the rap-infused upbeat Beat Street Showdown event. Students showcase their spontaneity with Mr. and Mrs. NITTFEST along with their impeccable fashion style. The day also hosted multiple Literature events. Choreonite had every department grooving to the steps of music across domains and languages. The formal valediction ceremony was held and a vote of thanks was extended to all the faculty and sponsors. The last event of the day was the much-awaited pro show by Music Sensation Shakthisree Gopalan. Her melodious tunes and rock star type attitude touched our heartbeats and made for an evening etched in minds forever.



ASSOCIATIONS

Association Of Students Of Architecture(ASA),

ARCHCULT 2023:

ARCHCULT, the national-level 3-day architecture symposium hosted annually by the Department of Architecture, NIT Trichy, returned with a bang for its 2023 season, commencing spectacularly on October 13, 2023, and attracting delegates from over 15 colleges across India.



Guest Lectures: It had series of guest lectures from eminent architects such as Ar. Murali Murugan, Ar. Venkata Lakshmi, Ar. Arun Prasad Prakashan, Ar. Bharath Ramamrutham, Ar. Senthil Kumar and Ar. Kosalraman.

Workshops: A series of hands-on and digital workshops were conducted including Pottery workshop, bamboo construction, architectural writing workshops, dynamic architecture, Revit workshop, watercolour artistry workshop, Hands-on brick construction workshop and dynamic architecture workshop.

Events: Other entertaining events included musical nights, Mr. and Ms. Archcult competition, Ballroom performances, departmental batch showcases and sazzling displays by NIT Trichy's music and dance troupe. Interactive activities like zoodling, treasure hunts, photography sessions, face painting, meme creation, quiz competitions, and miniature cutting and sculpting exercises were also conducted.

Dynamic Installation: As part of ARCHCULT the students created dynamic installation, one of its kind dynamic art work.

ARCHITALK SERIES:

As part of NIT Trichy's Diamond Jubilee year celebration, Architecture Students Association (ASA) initiated the ArchiTALK series, a lecture and workshop program aimed at enriching the academic experience of students.



ArchiTalk Event 1: The inaugural lecture, held on February 21, 2024, featured Er. S. Rajendran, who shared insights into cost-effective architecture, emphasizing traditional craftsmanship blended with contemporary design principles.

ArchiTalk Event 2: The second session of the ArchiTALK series took place on March 27, 2024, with Ar. Saravana Raja, a distinguished alumnus, inspires students to explore diverse fields and problem-solving approaches in architecture.

ArchiTalk Event 3: A pottery workshop by Ar. Megha was organized on April 6, 2024, providing students with hands-on experience and collaboration with the Fine Art Society to promote interdisciplinary engagement.

ArchiTalk Event 4: A shared guest lecture is planned on April 23, 2024, featuring Dr. Prabha Mohandoss, Assistant Professor of the Civil Department. Organized as a collaborative event

between ASA and Builder's Hive, the lecture aims to break department boundaries and bring students from both disciplines of civil and architecture together.

National Association Of Students Of Architecture (NASA INDIA)

Beyond Blueprints (65th Year NASA Open House)

The 65th Year of NASA India ended with NIT Trichy clinching 6 trophies and bagging the Le Corbusier trophy, emerging as the overall winner. To showcase the achievements, an open house event was organized on 25th August 2023, where the winning entries were put on display and seminars on the entries were conducted by the participants to students from NIT Trichy, as well as other colleges.

Participation and Excellence in Trophies

NIT Trichy, an active participant in the trophies conducted by NASA India, participated in 9 trophies in the 66th year, winning laurels in 4 trophies.

Special Mention 3, **Annual NASA Design Competition (ANDC)** – The brief 1. focused on a hands-on built structure made from reused materials that would contribute to the society. The mammoth effort, built from cycle waste and other reused materials, was completed in a mere 45 days and the project was installed in the Uzhavar Sandhai (Farmers Market) near BHELEC Cinemas.

Special Mention 2, **Louis I. Kahn Trophy** – Aimed at documenting heritage buildings, the team documented the Kalyanamaal Chathram at Thiruvaiyaru.

Special Mention 1, **GRIHA Trophy** – The team designed a green promenade, located in Bhubhaneswar beach, Odisha

Citation 1, **Writing Architecture trophy** – Emerging as the winner out of 1200 entries, the team elaborated on the role of architecture in promoting social equity.



The 66th Annual NASA Convention

The 66th Year ANC happened at EKC College of Architecture, Manjeri, Kerala. A 4-day convention, filled with workshops, seminars, masterclasses and other engaging events, it is the centrepiece of NASA, a place where architecture students can socialise and learn. The 66th year ANC was attended by 33 delegates from NIT Trichy, where they bagged 4 awards for their achievements in the trophies conducted over the past 7 months.



66th Year LIK Closed Jury

NIT Trichy hosted the Closed Jury of 66th Year Louis I Kahn (LIK) Trophy on February 17, 2024, followed by a panel discussion on climate change in architecture. Architecture schools throughout India submitted their sheets, which focus on the architectural documentation of diverse places across India. The morning session comprised of the jury, with the panel discussion in the afternoon. Four eminent architects made up the panel: Ar.Neelkanth Chhaya, Ar.Vikas Dilawari, Ar.Malvika Saini, and Ar.Sathya Prakash Varanashi. The event was also attended by NASA India's executive council members, Mr. Hari Sasikumar (National President) and Ms. Evanthika Pereira (Zonal President - Zone 5).



Civil Engineering Association (CEA)

The Civil Engineering Association (CEA) has been actively fostering knowledge exchange and professional development through a series of engaging activities.

The association hosted an Alumni Talk featuring Mrs. Sivaranjani Subramanian, a distinguished alumna from the 2005 batch and Vice President at Environmental Management Center LLP, discussing the critical role of Environmental, Social, and Governance (ESG) factors in bolstering climate resilience.

Additionally, an Alumni Discussion was conducted with Mrs. Shalini Rajamony, an esteemed alumna from the 1996 batch who works at the Wyndham City Council in Australia. She led a conversation on stormwater harvesting techniques for sustainable water management.

In collaboration with the ICI Student Chapter at NIT Trichy, CEA organized a site visit to the Ultratech Ready Mix Concrete (RMC) Plant, providing students with practical insights into concrete production processes.

Furthermore, during MOMENTS, the department's annual technical symposium, four workshops were organized aimed at enhancing students' skills and knowledge in various aspects of civil engineering.

These activities underscore CEA's commitment to empowering its members and students, facilitating industry engagement, and addressing contemporary challenges in the built environment.

The Civil Engineering Association (CEA) orchestrated a comprehensive array of events and workshops during MOMENTS, the annual civil symposium, aimed at augmenting students' knowledge and professional growth.

Workshops encompassed sessions on SAP 2000 software, a Tekla Software Workshop emphasizing building information modeling (BIM), and an AutoCAD and SketchUp workshop conducted in collaboration with the BUILDERS HIVE club. Dr. ArunKumar, Scientist and head of NBC Cell at the Bureau of Indian Standards (BIS), delivered a seminal Lecture Workshop on Indian Standards in Civil Engineering, Building Materials, and NBC.

Moreover, distinguished industry figures, including Cognisite CEO Mr. Rajkumar R and CSIR scientist Dr. Ramaraju, presented insightful guest lectures.

Additionally, in partnership with the ICI Chapter of NIT Trichy, CEA organized an online quiz targeting students worldwide, aimed at enriching their civil engineering knowledge. These meticulously crafted events, complemented by paper presentations, offered lucrative cash prizes and served as catalysts for students to deepen their interest in civil engineering and broaden their professional horizons.

CEA has demonstrated unwavering dedication to advancing the field of civil engineering through a myriad of enriching activities and events. From insightful guest lectures by industry experts to hands-on workshops covering cutting-edge software and techniques, CEA has provided students with invaluable opportunities for learning and professional growth.



Lecture on Indian Standards in collaboration with BIS
Date: 30th March 2024 (a)



Hands on Workshop on Tekla Software
Date: 31st March 2024. (b)

Association of Computer Applications, Science and Technology (ACAST).

The ACAST inauguration, on 9 February 2024, marked the official launch of the Association of Computer Applications, Science and Technology (ACAST). Dr. Michael Arock, Ms. Sweekriti Smith, and Mr. Arun Meena graced the event. Ms. Smith, a Vice President at Goldman Sachs and NIT Trichy alumna, shared her inspiring journey. The Office Bearers were announced by the HOD, CA. The event concluded with Ms. Smith's talk on "Kafka: Distributed Stream Processing System," fostering unity, collaboration, and academic excellence.

OPTIMA-2024, organized by the students of M.Sc. Computer Science and M. Tech. Data Analytics, conducted on 14 March 2024 featured five major events: Snowden (Coding Competition), Perceptron (ML Hackathon), Elite Warfare (Gaming Event), Inquizitive (Quiz), and Tech-Charades, all offering attractive prize money. Nearly 200 students from 10-15 colleges participated in these events alongside NITT students. Elite Warfare and Tech Charades garnered the most attention with higher student participation.

VERSION'24, organized by the students of MCA of NIT, Trichy, was a three-day event held from March 21st to 23rd, 2024. The 31st edition of this all India MCA Meet attracted 500+ participants from 30+ colleges, including NIT Warangal, NIT Surathkal and NIT Allahabad. The theme, "Gensynth: Synthesized Brilliance of GenAI," highlighted the fusion of technology and creativity. Day 1 began with the inauguration graced by Dr. Michael Arock and Chief Guest Mr. Anurag Singh, Director of Analytics at GenAI, Honeywell Technology Labs, Bengaluru. Mr. Singh delivered a guest lecture on Generative AI, covering advancements, challenges, and ethical dimensions. Day 2 featured CodeBlitz, a coding event, Squid Quiz, an innovative quiz event, Game Fiesta, a PC game developed by students of MCA, DevDay, a team-based mini-hackathon event. Day 3 showcased DecodeCraft, a reverse coding event, and ImmerseCraft, a theme-based event using Generative AI tools. The marquee event, Destinite, featured mock interviews for the top 3 performers, and the closing ceremony recognized winners with certificates and prize money. Version'24 was a resounding success, showcasing the brilliance of GenAI and the synthesized brilliance of the participants, leaving a lasting impact on all who participated.



DEE Association

The National-level technical symposium organized by DEE, NIT Trichy, has been spreading the message of energy and its importance since 2008.

It provides a practical insight into the recent developments and endeavours in the field of energy. The foundation of this event emphasizes on innovations and modern sustainable trends in the domain of Energy Engineering and discusses on the betterment of the environment. The program includes valuable lectures from eminent personalities in energy discipline, skill development through hands-on sessions, and events that will invoke and catalyse positive changes in bright minds. Our attendees include students, educators and industrialists from various parts of the country.

Webinar: Startup Opportunities in Renewable Energy

Ecot: Take a chance at making a change

Solar Hands-on session : Explore the amazing opportunity to earn a towards the green future through the green future through our solar workshop

Grey Matter: Roll out your thoughts and quiz your way out.



Electrical and Electronics Engineering Association (EEEE)

The EEE Association (EEE A) actively fostered industry collaboration by partnering with distinguished alumnus Mr. Richard Sekar (alumni of 1983 batch), who provided 20 students with practical projects tackling real-time problems, and offering an invaluable hands-on experience. The project titles include “Mobile Automatic River Cleaner, Sentry Drones, High Impact Resistant Car Bumper, Perpetual Electricity from Ocean Waves and Levitation Vehicles”. EEE A also facilitated a discussion with Mr. Srinivasa Vasan, an esteemed alumni from NIT Trichy, class of '92. The focus of the conversation centered around the significance of providing internship opportunities to students as a means to foster their career development and professional growth.

EEE Association through Currents 24, an annual technical Symposium hosted workshops from leading companies like Texas Instruments and Synopsys, alongside guest lectures from prominent experts, and equipped students with industry-relevant knowledge and the chance to interact with leading personalities.

The EEE department's commitment extends beyond academics. In October 2023, the EEE Association (EEE A) initiated the social responsibility program "LIGHT UP," visiting a tribal school to share the joy of education and offer career guidance to students. As a precursor to Currents 24, EEE A organized a session on mathematics for students of class 6,7 at REC school on 20th february. Dr. Angayar, an esteemed member of our academic community, led the session with enthusiasm and expertise.

EEE students took centre stage, conducting workshops on cutting-edge topics like Advanced Arduino with Morse code detection, Image segmentation using TensorFlow, PyTorch, and OpenCV, and even a web development session on building an encrypted social chat app. These workshops attracted over 300 registrations and garnered enthusiastic feedback from participants, highlighting the students technical prowess and passion for sharing knowledge. Also, a variety of events, including Enigma, Circuit Craze, and Colloquium, offered attractive cash prizes and witnessed enthusiastic participation from students, solidifying the symposium's reputation as a premier platform for technical exploration and competition.



Interaction of students with Dr.Richard Sekar
13th March 2024
(a)



Currents 24, 24th March 2024 (b)

Electronics and Communication Engineering Association (ECEA)

The association organized several engaging activities for our association members, professors and other students aiming to promote interaction and professional growth. A recreational event for department professors and scholars provided a relaxed atmosphere for networking and enjoyment. Our winter internship program offered valuable hands-on experience and industry exposure to participating students. Additionally, seniors led an interactive session on securing research internships, sharing practical tips and insights. These initiatives underscore our commitment to fostering a supportive and enriching community within the department.

Probe 2024:

The association successfully conducted Probe, the flagship technical symposium of the Department of ECE. The symposium was a dynamic gathering that featured a diverse range of activities aimed at enriching the academic and professional experiences of participants who hailed from different parts of the country. A plethora of workshops, guest lectures and events. The **ProRover** workshop offered participants a hands-on experience in robotics and IoT technologies. Through practical projects and interactive sessions, attendees gained insights into cutting-edge developments in robotics and explored the application of IoT in real-world scenarios.

The **Cloudscape** workshop equipped participants with the tools and insights needed to leverage cloud computing for innovative solutions. Through in-depth discussions and practical demonstrations, attendees gained a thorough understanding of cloud services, AI applications, and market trends.

The **Matlab and Simulink** workshop offered participants a hands-on exploration of signal processing, control systems, and communication systems using Matlab and Simulink.

The **SoC Design for Low Power Applications** workshop, conducted by Qualcomm experts, focused on the development of smarter, faster, and more energy-efficient chip designs. Participants learned about innovative techniques and sustainable solutions for system-on-chip (SoC) design, gaining insights into the latest trends and technologies in low-power chip design.

The **FPGA Design Flow** workshop, hosted by CoreEL Tech, provided participants with a comprehensive overview of FPGA design principles and techniques. From novice to pro level, attendees learned about the entire FPGA design flow, from initial concept to live implementation. Through hands-on exercises and guided tutorials, participants gained practical experience and confidence in FPGA design, enabling them to tackle complex design challenges with ease.

The **Neuroforge** workshop focused on machine learning and neural networks for hardware applications. The workshop provided valuable insights into the intersection of machine learning and hardware design, equipping participants with the skills and knowledge needed to develop innovative hardware solutions powered by neural networks.

Events and hackathons focused on designing circuits based on applications using NodeMCU and IoT technologies were conducted offline and online. It also included **Trancsrecievevlog**, an event on designing communication protocols and **ProbeBuzz**, online quiz series on current electronics trends.

Guest Lectures: Probe had exceptional guest lectures from industry experts in various companies. Two guest lectures involved experts from **Qualcomm** who covered GenAI trends and hardware/software workflows. A professional from **Marvell** lectured on SSD architecture for modern applications. Finally, a guest from **IBM** provided insights into life at IBM and career guidance for students.



a) The inauguration ceremony of Probe, the technical symposium on 16 Feb, 2024



(b) Office Bearers of ECE Association in Probe Inauguration

English Association (English Guild)

1. **OPEN MIC** - The English Association hosted Open Mic events, providing a platform for students to showcase their literary talents. These events saw enthusiastic participation from students across various disciplines, allowing them to express themselves through poetry recitations, storytelling, monologues, and musical performances.
2. **BOOK CLUB** - The English Association organized book club meetings aimed at promoting a culture of reading and literary discussion among students of NITT. Participants had the opportunity to engage in insightful conversations about classic and contemporary works of literature, exploring themes, characters, and narrative techniques. The books discussed were: Death Note Pilot Chapter (Graphic Novel) and The House On The Mango Street by Sandra Cisneros. These meetings facilitated intellectual exchange and encouraged a deeper appreciation for literature across diverse genres.
3. **INVITED TALK:** On 4th Sept. 2023, Prof. K.Srilata, poet and academic affiliated to The School of Arts and Sciences, Sai University, delivered a talk on the topic, "Writing from Where and Who You Are and Reading from an Oppositional Place: Poems Based on the Mahabharatha." This enriching talk was attended by professors and students from various departments of the institute.
4. **STORYTELLING WORKSHOP:** On 6th Sept. 2023, the Association hosted a workshop on Storytelling by Prof. Vinod Balakrishnan, Department of Humanities and Social Sciences, NIT Tiruchirappalli. The attendees had the opportunity to enhance their storytelling skills through this engaging workshop.

LexiCon '24: NITT's First Literary Convention

A significant highlight was the inaugural edition of LexiCon, the department's and institute's first-ever literary convention, held from 4th to 8th September 2023. LexiCon featured a diverse range of activities designed to celebrate literature, language and creativity.

Cosplay, Literary Quiz, Debate, and Game Night: LexiCon provided ample opportunities for students to immerse themselves in literary-themed activities, including cosplay contests, literary quizzes, and debates on contemporary issues. A Game Night featuring literature-based games added a fun and interactive dimension to the convention.

Online Events: To ensure inclusivity and reach a wider audience, LexiCon also hosted a series of online events. These included meme-making competitions, microfiction prompts, and poetry-writing contests, allowing participants to showcase their creativity and literary prowess.



Storytelling workshop by Dr. Vinod Balakrishnan
(06.09.2023)

(a)



Guest Talk by Dr. K.Srilata
(04.09.2023)

(b)

Instrumentation and Control Engineering Association

The ICE Association conducted a plethora of events dedicated to the nurturing and development of the interests of students related to the crux of the department by having students arrange guest lectures by various eminent personalities pertaining to the field of high-precision devices and Industrial Automation. Students also participated in a plethora of workshops that urged them to think innovatively and showcase their skills to other colleges as well. A variety of events were conducted to foster learning and give a glimpse into the department's facilities to students from other colleges as they were made to delve into the nuances of an otherwise lesser-known field.

Sensors 2024

The ICE Association successfully organized "Sensors 2024", the annual technical symposium of the ICE department. Drawing participants from different colleges, this vibrant gathering provided a diverse range of activities geared towards enriching the academic and professional paths of the students. The symposium boasted a multitude of workshops, insightful guest lectures, and captivating events.

Events:

Various competitions and hackathons focusing on the ability of students to come up with intelligent solutions to real-life problems were conducted during the 2-day event. The symposium also featured events such as "ML-Mayhem," challenging students to accurately train a machine learning model with provided datasets, "Sensor-Hunt," a competition tasking student with identifying everyday sensors in use and "Design-to-Debug", a hackathon in which students had to design and debug electrical circuits.

Guest lectures:

Sensors also hosted various guest lectures, delivered by prominent people from the industry. The symposium featured a guest lecture on "Artificial Intelligence and Entrepreneurship, delivered by Mr. Sabarinath Sampath, the CEO and Co- Founder of Tecto Lab LLC. Mrs. Radhika Sivaraj, a Freelance QA Engineer gave a guest lecture on "Serverless Computing with Java" with particular emphasis on AWS Lambda. Sensors also hosted Mr. Ashwin Samson, Technical Sales and Support Engineer from Micro-Epsilon who enlightened the students about the sensors used in high precision instrumentation.

Workshops:

The COMSOL Workshop, offered students a learning experience tailored for enthusiasts to broaden their scope of knowledge across the domains of electronics, sensor fabrication and integration. The workshop also covered topics like modelling MEMS devices and circuit design.

The Aerial Robotics Workshop, organized by the technical club of NIT-Trichy, The Third Dimension, offered participants a hands-on experience in aerial robotics. Students were taught about various fundamental concepts in robotics and also were given a brief peek into the nuances of aeromodelling.



The inauguration ceremony of Sensors, the technical symposium on March 22nd, 2024

Metallurgical and Materials Engineering Association (MMEA)

MME department association, MMEA, had its inauguration on 24 November 2023, marking the start of all technical events. Dr. Shrish Kumar, Executive Director of OFT, presided over the ceremony and shared insights with the attendees. The annual department symposium “Mettle” successfully took place on 05th – 07th April 2024. It was inaugurated on 05 April 2024 with Dr. Bikramjit Basu, Professor from IISc Bangalore, as the guest of honor. He also delivered the inaugural talk on “Bioceramics for Healthcare: Where the future lies?” The symposium had a plethora of events, lectures, and workshops by esteemed professionals throughout the three-day period. The symposium concluded with an alumni talk by Dr. R. Ramaseshan, Head Scientist at IGCAR, Kalpakkam. He delivered a riveting talk on the topic, “Nanomechanical Characterization of Small Materials and its Application in Nuclear Reactors.”

The inauguration of the Metallurgical and Materials Engineering Association (MMEA’24) was organized and successfully completed on 24th November, 2023. Dr. Shrish Kumar, Executive Director of the Ordnance Factory, Tiruchy, presided over as the guest, and also delivered the inaugural lecture. During the MMEA inauguration, we also hosted a “Weapons Exhibition”, as a collaborative venture with OFT.

Mettle’24, organized by the students of the Metallurgical and Materials Engineering Department, was conducted on 05, 06, and 07 April 2024. Mettle’24 featured a wide range of Guest Lectures, Events, and workshops. This edition attracted over 100 students from various colleges and had a vivacious participation from students of all departments at NIT Trichy.

Theme of the symposium: “Matrix: Forging Reality, Redefining our world!” showcased the interdisciplinary and inherent nature of materials science in all relevant aspects globally, from Aerospace to Healthcare. Dr. Bikramjit Basu, IISc Bangalore, talked about ceramics for biomedical applications. We also had Dr. Rohit Batra from IIT Madras deliver a talk on ML applications in Materials Science. The final guest lecture was delivered by our alumni, Dr. R. Ramaseshan, Head Scientist at IGCAR, Kalpakkam, who provided valuable insights into the Nanomechanical characterization of small materials for Nuclear reactors.

Metallica - Our team members carefully curated information from professors, alumni, and students to handcraft our annual magazine.

Intern Talk - Final year students shared their experiences and provided tips for the various research, core, and other internship opportunities organized jointly by MMEA and MA.

Workshops - We also conducted 3 vibrant workshops that attracted students from different colleges across TN, notably from Karur, Madurai, and Coimbatore. Prof. Sampath V from IIT Madras, and Dr. Swaminathan G from PSG Tech deliver a workshop on Shape Memory Alloys. Dr. Anilkumar V, Scientist at ISRO, also conducted a workshop on Metallic 3D Printing for Aerospace Applications. The TNDT Training and Inspection Services conducted a workshop on Non-Destructive Testing.

Metalpreneur Challenge – It is a novel event, where multiple teams pitched their startup ideas relevant to the materials science industry.

IIM Quiz & Alloy Quest - We also conducted the metallurgy-based technical quiz, in collaboration with the IIM, Trichy. We also had a more fun-oriented event “Alloy Quest”, in which participants hunted and solved a set of metallurgy-related challenges.



Physics Association

The Department of Physics conducted the annual symposium "InPhynitt 24" and "Quality24" events combined as 'InPhynitt-Quality' on 7th March 2024, which was a monumental success. Serving as a beacon of intellectual exchange and inspiration. Renowned figures like Dr. N. Durairaj, Dr. M. Laxshmanan, and Mr. Arul Prabhu graced the occasion as keynote speakers, offering profound insights into Non-Linear Physics and Non-Destructive Testing. Their lectures not only ignited a fervor for the subject but also underscored the department's unwavering dedication to academic excellence and innovation.

Following these enlightening talks, "InPhynitt 24" unfolded a series of engaging events meticulously crafted to immerse attendees further into the captivating world of physics. Panel discussions, workshops, and presentations provided platforms for participants to delve deeper into various aspects of the discipline. Through collaborative problem-solving sessions and stimulating discussions, attendees had the opportunity to explore cutting-edge research and unravel the mysteries of the universe. These events not only broadened participants' understanding of physics but also fostered a sense of community and excitement, making "InPhynitt 24" an unforgettable experience for all involved.

The event featured a diverse array of activities, both offline and online, catering to the diverse interests and preferences of attendees. Offline events such as Quiz Panel, Pitch Perfect, A Bad Advert, 3 Midgets, and Infinity Chamber offered unique opportunities for engagement. Quiz Panel challenged participants with rounds of questions and answers spanning various physics topics. Pitch Perfect provided a platform for attendees to showcase their research and analytical skills through paper presentations. A Bad Advert tasked participants with pitching their ideas to judges, akin to the popular television show Shark Tank. 3 Midgets offered a compilation of three physics-based games, including Connections, Damsharatsh, and Shipwreck. Infinity Chamber provided an immersive escape room experience, where participants solved physics-themed clues to progress through the game.

Online events, including Giggle Galore, Foto Frenzy, and Beyond the Frames, extended participation beyond the event venue, harnessing the power of digital platforms. Giggle Galore invited participants to submit self-made memes on the theme of "Life as a Physics Student," showcasing their creativity and humour. Foto Frenzy encouraged participants to submit photographs exploring the theme of "Chiaroscuro - Playing with Light and Shadows," while Beyond the Frames challenged participants to submit one-minute videos on topics like Physics in Action and DIY Physics, demonstrating their understanding of complex concepts in a concise format. Parallely, Non-Destructive Testing Techniques, Demonstration, Video Scavenger Hunt (VSH) and Puddle were held as part of Quality24.

Overall, InPhyNitt-Quality was a triumph, bringing together enthusiasts, scholars, and professionals to celebrate the marvels of physics. It not only showcased the department's commitment to academic excellence but also emphasized the power of collaboration and curiosity in advancing our understanding of the cosmos. Through a rich tapestry of engaging activities, the programmes left an indelible mark on all participants, inspiring a new generation of physicists and deepening their appreciation for the intricacies of the universe and the NDT world.

Production Engineering Association (PEA)

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 Prof. G.L. Samuel from IIT Madras, 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.

The annual symposium, Prodigy, stands as the pinnacle of the Production Engineering Association's event calendar, offering a platform for students to showcase their technical prowess and engage in thought-provoking discussions with industry experts. The 2023-24 edition of PEA kicked off with the grand inauguration ceremony with the chief guest Mr. Mohana Sundaram, General Manager at Hyundai Motor India Ltd followed by his insightful guest lecture on "Inbound logistics for International business" set the tone for the symposium.

Throughout the event, participants had the opportunity to participate in a variety of competitions and workshops tailored to enhance their skills and knowledge. From the Paper Presentation to the Mastering Manufacturing challenge, each event provided a platform for students to apply theoretical concepts to real-world scenarios and showcase their problem-solving abilities.

In addition to competitive events, Prodigy also featured an informative workshop by Prof. Punniyamoorthy and guest lecture by Mr. Aftabuddin Syed, who shared insights on innovations in production engineering. Overall, the events organized by PEA during the academic year 2023-24 exemplified the association's commitment to excellence and innovation, providing students with opportunities to learn, grow, and thrive in the field of production engineering.



Inauguration of PEA (19-10-2023)



Inauguration of Prodigy'24 (24.4.2024)

TECHNICAL CLUBS

180 DC

| | |
|--------------------|--|
| Initiatives | Developed branding strategy for Raptree Energy in electric motorcycle market. |
| | Conducted market segmentation for Galaxeye in aquaculture. |
| | Analyzed needs of adolescents in Saudi Arabia for Perfios. |
| | Collaborated with Gates Foundation to foster agricultural transformation in Bihar. |
| | Hosted ConsultXpo, a flagship event with real-world consulting challenges. |
| | Participated in prestigious competitions like HSBC India Business Case Program. |

ProfNITT

| Event | Events Description |
|------------------------------------|--|
| World Quant Brain Alphathon | Workshops on quantitative finance led by industry experts. |
| INVESTAS'23 | A flagship event with guest lectures on quantitative finance and High frequency trading. |
| Decision Quest | A financial decision competition for first-year students. |
| FundX | Strategic swing trades in Mid/Small Cap stocks, prioritizing risk management. |
| Projects | Option Pricing Model and FundX |

E-CELL

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| Events | E-Summit | <ul style="list-style-type: none"> It stands as the flagship event of the E-Cell, attracting aspiring entrepreneurs, investors, founders, and start-up enthusiasts from across the nation. This annual event serves as a platform for knowledge exchange, networking, and inspiration, furthering the entrepreneurial ecosystem within the institute. |
| | World Space Week (WSW) | <ul style="list-style-type: none"> A pre-incubation program, was organized to provide students of NIT Trichy with mentorship and support over a period of 6-8 weeks. The program aimed to assist students in developing solid business models and minimally viable prototypes, thereby offering them a firsthand experience in the startup landscape. |
| Initiatives | Startup Internship Portal (SIP) | <ul style="list-style-type: none"> A pioneering project of the E-Cell, the Startup Internship Portal (SIP), is in its final stages of development. This portal will facilitate NIT Trichy students in applying for internships at various startups, enabling them to gain practical exposure in their preferred domains. |
| Start-ups in the club | The E-Cell takes pride in nurturing budding startups within its community. As of the end of the reporting period, the E-Cell boasts a total of six startups, each at different stages of development: | |
| | Launch and Revenue Stage | Two startups have successfully launched their products/services and are generating revenue. |
| | Prototype and Pre-launch Stage | Two startups are in the process of finalizing their prototypes and preparing for launch. |
| | Ideation Stage | The remaining two startups are in the early stages of ideation, laying the groundwork for their future ventures. |

SIGMA

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| Projects | Microbusiness Density Forecasting | Utilized GoDaddy and US Census data to forecast microbusiness densities for US counties, analyzing trends and patterns. Developed a predictive model using Python, Numpy, Pandas, and Matplotlib. |
| | Flight Price Prediction | Scraped data from Yatra.com for 52,179 entries to analyze flight prices and emissions data, creating a predictive model with Random Forest algorithm using Python and Selenium. |
| | Nifty 50 Analysis: | Conducted exploratory data analysis on Nifty 50 data sourced from yfinance, employing technical indicators and time series forecasting techniques with stacked LSTM and GRU models in Python. |
| | Layoff Project | Conducted in-depth Exploratory Data Analysis (EDA) on layoffs, employing Pandas, Seaborn, Matplotlib, and Plotly for visualization and statistical analysis, identifying trends and insights globally. |
| | Content Recommendation System | Implemented a content-based recommendation system for Netflix movies using NLP techniques, cleaning and processing text data and calculating cosine similarity in Python. |
| | Inventory Management | Focused on demand forecasting for Walmart inventory dataset, utilizing Python libraries for EDA, selecting models like random forests and times series, and deploying a web app for user experience. |
| | Market Basket Analysis | Analyzed Instacart dataset to find customer purchase trends and frequent itemsets using Apriori algorithm, employing Python for data cleaning, EDA, and algorithm implementation. |
| | Twitter Sentiment and Cryptocurrency Price Dynamics | Investigating the relationship between Bitcoin price derivatives and Twitter sentiment using NLP techniques and time series analysis, aiming to gain insights into cryptocurrency market dynamics. |
| | Market 360: Real Estate | Conducted market research within the real estate industry, synthesizing insights from various sources, and compiling a report and Power BI dashboard. |
| | The Ev Project | Analyzed the EV industry to project its success timeline, evaluating battery swapping vs charging, battery recycling, and range anxiety, employing market entry frameworks and policy analysis. |
| | Commercialization of Space | Analyzed new frontiers in the aerospace industry through private-owned players, studying financials, identifying trends, and evaluating market opportunities and risks. |
| | 2008 Financial Crisis series | Analyzed the meltdown of the Real estate housing bubble in 2008, its impacts, implications, affecting factors, and policy responses, aiming to explain economic terms and policies to a general audience. |
| | Economics of Inheritance | Analyzed the impact of inheritance on the global economy and wealth inequality, discussing types of inheritances, taxation rules, and potential contributions towards mitigating inequality. |
| Luxury Brand Analysis | Deep dive into segments of the Indian clothing market, analyzing business models, pricing strategies, and customer retention techniques to simulate the launch of a luxury clothing store. | |
| Achievements | <ul style="list-style-type: none"> • Won 3rd place in Data Decode, DMS IIT Delhi. • Selected top 10 in InfinitiQuest, IIM Udaipur. • Won 3rd place in AbInBev 100+ Challenge. • Secured 8th place in Strategist 2.0 by Hightech Solutions. | |

3D AEROMODELLING CLUB

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| Aerotrix Workshop | Successfully conducted from May 16th to May 20th, 2023, marking a significant milestone as the first event held after the pandemic, providing first-year students with insights into various aspects of Unmanned Aerial Vehicles (UAVs), Image Processing techniques, Fundamentals of Aerodynamics, and software tools such as XFLR5 and SOLIDWORKS, with dedicated fabrication sessions for the Pursuitron bot and the glider. |
| AeroInvent Intra-club Challenge | Conducted from August to November 2023, 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. |
| Conscientia - IIST Model Rocketry Workshop | Participation in a Rocketry workshop at Conscientia 2023, where the team learned the basics of model rockets and miniature astronautics, building a model rocket using provided materials to enhance knowledge and develop the rocketry domain. |
| SAE Aerothon: | Actively participated in the Aerothon 2023 drone development competition, securing 2nd position nationwide in the Design phase and 8th position in the Flight test phase, demonstrating exceptional drone manufacturing skills and utilizing college facilities for fabrication and testing. |
| Smart India Hackathon | Participation under the Hardware category in SIH 2023, focusing on medical emergencies, search and rescue operation, and transportation and surveillance, presenting innovative projects and qualifying for nationwide competition, contributing to professional and technical growth. |
| eYantra Robotics Competition | Active participation in the annual eYantra Robotics Competition hosted by IIT Bombay, deploying highly skilled teams to tackle challenging themes, demonstrating problem-solving ability and technical prowess in the Semi-final round. |
| Workshop in collaboration with the Mechanical Engineering Association | Conducted a workshop session exclusively for first-year Mechanical engineering students to introduce them to aerial robotics and UAV systems, fostering a healthy learning environment and igniting curiosity among freshers. |
| Egg Drop Challenge – InHotts | Organized an intellectually stimulating online event as part of InHotts 2023, providing first-year students with the task of conceptualizing and demonstrating a payload bay to protect an egg from breaking upon impact, promoting practical application of theoretical knowledge. |
| ICAMAE Conference | Presented a research paper titled "Autonomous Multi-Rotor UAVs: A Holistic Approach to Design, Optimization, and Fabrication" virtually at ICAMAE 2023, showcasing a structured methodology for designing and fabricating Multi-Rotor UAVs, contributing to the knowledge base. |
| Boeing Aeromodelling Competition- IITM Shastra 2024 | Participated in the South Zone competition held at IIT-Madras, securing cash rewards and recognition for designing fixed-wing UAVs meeting given constraints, showcasing technical skills and innovation. |
| Sangam Hardware Hackathon | Worked on projects under various themes, showcasing innovative designs and winning accolades, enhancing knowledge and technical expertise in diverse areas of aerospace engineering. |
| SCIEnT Annual Day | Presented projects including fixed-wing electric propelled UAV, multi-rotor Micro class UAV, and VTOL UAV, showcasing technical capabilities and winning recognition and cash awards for outstanding achievements. |



BUILDERS' HIVE

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| Events | Guest lecture on 'materials and structures' | A Guest Lecture on 'Materials and Structures' was organized by Builders' Hive in collaboration with the Association of Students of Architecture (ASA) at NIT Trichy, featuring Dr. Prabha Mohandoss, Assistant Professor from the Department of Civil Engineering, NIT Trichy, on 24th April 2024. |
| | AutoCAD and SketchUp workshop | It was conducted on 29th March 2024 in collaboration with the Civil Engineering Association (CEA) at NIT Trichy during Moments' 24, with over 50 students from various colleges across the country in attendance, providing participants with a comprehensive understanding of AutoCAD and SketchUp software for creating basic building plans. |
| | Interview series | An "Interview series" was launched by the club, featuring talks with industrial personalities and renowned academicians, providing a unique opportunity for viewers to gain insights into the trends, practices, and technologies shaping the industry, with the first two interviews in the series featuring Dr. Mark Alexander and Dr. Nishant Garg released in August 2023. |
| Projects | Civil Park | The Civil Engineering Department of NIT Trichy is developing a technology park to showcase various civil engineering concepts - the work involved surveying the site, creating CAD models, and designing the site and structures using Revit software. |
| | Green Buildings | <p>This project investigates the importance of retrofitting older buildings to extend their lifespan and reduce energy consumption.</p> <p>It focuses on buildings over 30 years old at NIT Trichy campus, using Ansys simulations combined with Building Energy Management Systems (BEMS) and Artificial Intelligence (AI), particularly Artificial Neural Networks (ANN).</p> <ul style="list-style-type: none"> • AI is utilized to predict occupancy, analyze life cycle costs, select materials, and optimize lighting systems. • The study results indicate that these retrofitting measures can decrease energy use by 25% and carbon emissions by 20%, with an investment payback period of about five years. • The study advocates for the broader adoption of sustainable retrofitting and advanced BEMS to transform ageing buildings into energy-efficient structures. |
| Achievements | Awarded the prestigious ACI Outstanding Award by the American Concrete Institute (ACI) in 2021 and 2022 for commitment to innovation, quality, and professionalism in the construction industry, attributed to the team of highly skilled civil engineering students dedicated to delivering exceptional results for projects. | |

DELTA FORCE

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| Events | Delta Winter of Code | <ul style="list-style-type: none"> • Delta Winter of Code (DWOc) is an open-source initiative by Delta Force, the official coding club of NIT Trichy. • During the 12-week program, developers will be exposed to various real-world problems and effective means to solve them. |
| | AR Hunt | <ul style="list-style-type: none"> • It is an Augmented Reality-based treasure hunt organized by our team in collaboration with the Orientation Team. • Its purpose is to familiarize incoming freshers with the diverse landscapes and architectural features within the campus. |
| | CodeGolf | <ul style="list-style-type: none"> • It is an engaging online coding competition wherein participants are not solely tasked with solving intricate problems but are further challenged to achieve optimal solutions through the utilization of the least number of characters in their code implementation. |
| | HackerTalks | <ul style="list-style-type: none"> • Lightning talks entails a series of succinct presentations delivered by students to their peers, covering diverse topics within the expansive realm of computer science |
| Projects | TimeWarp | <ul style="list-style-type: none"> • A single-player game wherein you solve puzzles after finding clues by interacting with the map and using your code editor to code your way to the next level. • The game's objective is to solve as many puzzles as possible before the event runs out. |
| | Bills Portal | <ul style="list-style-type: none"> • A comprehensive online portal has been developed to serve as a dedicated platform for the Student Welfare Dean, facilitating the systematic tracking and management of financial expenditures incurred by various student clubs and fest organizers within the institution. |
| | Fest Projects | <ul style="list-style-type: none"> • Festember Sites • Pragyan Sites • Dpay (For all Festember, Pragyan, and NITTFEST) • NITTFEST Sites • Aaveg Sites |
| Competitions Participated | <ul style="list-style-type: none"> • Smart India Hackathon (3x Qualifiers, 1x Finalist) • Encryptcon (2x Qualifiers, 1x Finalists) • Pragyan Hackathon (1x Winner) • TransfiNITTe (2x 3rd Prize, 2x Winners) • Flipkart GRID (1x Finalist) • Amazon Hackathon (1x Finalist) • Web Mosaic | |

DESIGNERS' CONSORTIUM

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| Projects and competitions | Research Activities: | Projects: Coral reef restoration bot, Wheelchair transfer tool, Underground cable laying system. |
| | Shaastra'24 - IIT Madras: | Accolades: 1st and 3rd place (Caterpillar Industry Defined Problem Statement) , 2nd place (Eco-create) Projects: LeProC (Innovative Clamp for radiator-to-engine pipes), Quadmos (Bio-inspired Atmospheric Water Harvester), Ioniflow (Novel EV Battery thermal management solution), Neogenesis (Bio-inspired CO2 absorber and recycler) |
| | Sangam - Pragyan'24, NIT Trichy: | Accolades: 1st and 2nd place (Defense Category), 2nd place (Environment Category) Projects: Versastride (Portable military ladder cum bridge), Deterr-mine (Novel Mine-Detection Shoe), REC-Tube (Rubber recycling machine) |
| | Other competitions | Scient Open House (1st place) Transfinitte (Team Marshalls (Electrical: Boeing) - 1st place, Team CroCADiles (Mechanical: Boeing) - 1st place). Participated in Micro-mouse competition Shaastra'24 Submerge and Quadcopter as a part of Pragyan'24. |
| Workshops and Events | Discover DC | Annual session organized to brief first year students about DC and Tech Clubs |
| | Brainfreeze | Orientation program - 1st years (Intro to basics of electrical, mech & prototyping) |
| | CSWA and CSWP Workshop | Collab workshop with Solidworks for CSWA, CSWP certification |
| | De-Construct | Inhotts event organized by DC (Basics of reverse engineering and bio-mimicry) |
| | Synergy x DC workshop | Training for students from various colleges on Solidworks software |

MAXIMUS: THE MATH SOCIETY

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| Events | Cognify Event | <ul style="list-style-type: none"> Weekly Aptitude exams conducted for 900+ students from NITT and non-NITT. Six exams conducted via Google Forms. |
| | Arithmetiz Event | <ul style="list-style-type: none"> Three competitive events for NITT students: Enigma Trifecta, Cerebral Math quest, and Escape Room. Two workshops: Solving ODE using MATLAB and Macroeconomics and Finance Math. Two seminars: Mathematics and Voting and Social Network Analysis. |
| Achievements | Secured 14th rank in IGMO 2022 | |

| GRAPHIQUE | | |
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| Month | Project | Project Description |
| Jun '23 | Induction Bootcamp | 2-month intensive training for the batch '26 before being inducted into the club |
| | Re-post Series | Re-posted artworks of our club members, reminiscing their journey of design |
| | Project Design Melody | Redesigning famous music album covers by our club members |
| Jul '23 | Medium Blog Series | Published blog posts on our medium page to inspire the design community |
| | MISREG Case Study | Conducted an exhaustive UX/UI Case study on the online portal MISREG |
| Aug '23 | Project Kaleidoscope | Introductory 2-week project, exploring various locations in various art styles |
| | Festember Design | Worked as the design team for Festember & catered to all their design needs |
| | SportsFete Design | Worked as the design team for SportsFete & catered to all their design needs |
| Sep '23 | Festember Design | Worked as the design team for Festember & catered to all their design needs |
| | Chroma Workshop | 3-hour workshop for freshers & taught how to convert paper art into digital art |
| Oct '23 | Inktober 2023 | Participated and successfully finished designing 31 prompts for Inktober 2023 |
| | Graphic by Graphique | Intensive 3-day workshop for freshers & taught adobe photoshop illustrator |
| Nov '23 | UI/UX Workshop | 2-day UI/UX workshop for all, where we taught figma and basics of web design |
| Jan '24 | Graphique Wrapped | Compilation of significant artworks, top softwares used & hottest trends of '23 |
| | CONNECTT Case study | UX/UI Case study on a mobile app that connects students to college societies |
| Feb '24 | Pragyan Design | Worked as the design team for Pragyan & catered to all their design needs |
| Mar '24 | Admin Project | Catered to various projects like Institute Flip book, Report cover page, etc |
| | RECAL Projects | Catered to various projects like RECKindle, RECAL Scholarships design, etc |
| Apr '24 | Character Design Workshop | Digital art workshop for all to teach how to design anime style characters for all |
| | 3D Modelling Workshop | 3-hour 3D modeling workshop of an organic model with color and texturing |
| | Timeline Workshop | 3-hour workshop focusing on Premier Pro & After Effects to create animations |

NAKSHATRA

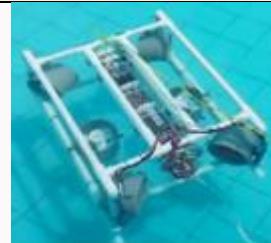
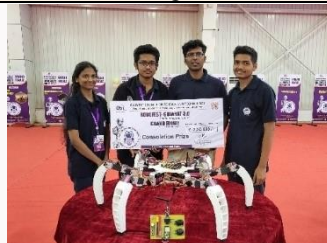
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| Events | Dock Lock | Organized in collaboration with Orientation'23, targeted towards 1st-year students, provided participants with a simulation experience of docking a space capsule, effectively fostering their interest in space exploration. |
| | World Space Week (WSW) | Celebrated World Space Week in collaboration with Pragyan from October 4th to 10th to foster the student community's interest in astronomy and science. As part of this year's WSW, the following were conducted. Events: <ul style="list-style-type: none"> • Asteralyse: An event to improve analytical knowledge in the field of space technology. • Starventure: An event to pitch start-up/business ideas in the field of astronomy. Guest lectures: <ul style="list-style-type: none"> • Dr. Tirtha Pratim Das, Director of Space Programme @ISRO on Dark Matter • Mr. Jijith Nadumuri Ravi, Founder of Dharma Digital & Ancient Voice on the Connection between Astronomy and Mythology. |
| | InHoTTs: | <ul style="list-style-type: none"> • Space drive: Participants are required to develop a data analytical method for predicting the minimum orbit intersection distance between Earth and asteroids using the asteroid dataset. With the increasing concern about potential asteroid impacts on Earth, it is crucial to accurately assess the risk posed by Near-Earth Objects (NEOs) and identify asteroids with orbits that bring them close to Earth. • Celestial Quest: It is an introductory workshop to work in the field of astronomy to draw conclusions using astronomical data sets by incorporating AI/ML techniques. |
| Projects | Sun Pathfinder | This project utilized the SolTrack open-source library to analyze the stability of day length for 20 cities in India over a century. SolTrack's precise calculations of the Sun's position, including rise and set times, as well as transit times and altitudes, provided accurate data for this study. |
| | GAN for astronomical images | Harnessed the power of Generative AI to delve into the depths of the cosmos and create captivating space imagery. |
| | Solar tracker | It is a device that adjusts the position of solar panels to optimize their orientation towards the Sun throughout the day, enhancing energy production. Through continuous tracking, these systems maximize sunlight exposure, improving efficiency of solar panels. |
| | MoU | MoU was signed on 24 th Feb 2024 with Space Zone India for academic and professional collaborations. |

PSI RACING TEAM

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| Accomplishments | BAJA SAE INDIA <ul style="list-style-type: none"> • Preliminary Round (Phase 1) : AIR-2 • Overall Statics : AIR 5 • Overall Virtual Dynamics : AIR 6 • Overall Dynamics : AIR 18 • Overall : AIR 19 |
| Events Organised | Autorhapshody'23 brought over 150 NITT students together for an engaging introduction to automobiles. They explored basic theories, dived into DATA Acquisition, CAD-CAM MATLAB, and even took a hands-on tour of a PSI Racing Buggy. It was a workshop fuelled by curiosity and discovery. |

The Robotics and Machine Intelligence Club

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| Projects | MedVisor | <ul style="list-style-type: none"> • Augmented reality solution for healthcare applications • It is a 3D-printed attachment that can be mounted onto any pair of glasses, bringing AR to the operating theatre. • Secured the first Prize in Sangam '23 |
| | Remotely Operated Underwater Vehicle (ROV) | <ul style="list-style-type: none"> • An underwater robotics platform built from scratch using novel and ingenious construction methods. • It can execute missions and underwater surveillance (corrosion detection, waste identification) at different levels of autonomy. |
| | Amphibian Bot | <ul style="list-style-type: none"> • A multi-terrain robotics platform that can traverse on both land and water. • It uses a four-wheeled thruster configuration and a robust design to achieve the objective. |
| | Hexapod | <ul style="list-style-type: none"> • A biomimetic, versatile six-legged robot with eighteen actuators competent to maneuver dynamically using interchangeable gait algorithms for various motions depending upon terrain. • Secured First Prize in Smart India Hackathon '23, First place in Sangam '23, and a Consolation prize in Robofest '23. |
| | Rover | <ul style="list-style-type: none"> • Mobile robot for space exploration, designed to tackle the challenges that robots face in space. • Qualified for the second round of ISRO Robotics Challenge-URSC 2024 (IRoC-U2024). |





EVER

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| Accomplishments | BAJA SAE INDIA <ul style="list-style-type: none"> • Preliminary Round (Phase 1) : AIR-2 • Overall Statics : AIR 5 • Overall Virtual Dynamics : AIR 6 • Overall Dynamics : AIR 18 • Overall : AIR 19 |
| | Events Organised <p>Autorhapshody'23 brought over 150 NITT students together for an engaging introduction to automobiles. They explored basic theories, dived into DATA Acquisition, CAD-CAM MATLAB, and even took a hands-on tour of a PSI Racing Buggy. It was a workshop fuelled by curiosity and discovery.</p> |

SPIDER

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| Accomplishments | <ul style="list-style-type: none"> • Acceptance of Research Paper into Conference of Computer Vision and Pattern Recognition (CVPR 2024) workshops. CVPR is the world's highest ranked Computer Science Conference. • Global Rank of 101 in ICPC 2024 World Finals, rank 28 in Asia-West Finals, ranks of 23, 31 and 61 in ICPC Amritapuri, Chennai Regionals and AlgoQueen Contests. ICPC is the world's most prestigious Competitive Programming Contest • Winner of Smart India Hackathon 2023 for the problem statement "Data Compression on Backbone network" • Runner Up in RACCAM 1.0 - the inaugural edition of CyberSecurity Hackathon by Rajasthan Police under the "Dark Web Monitoring" track • AIR 4 in eYantra Robotics Competition (eYRC 23-24) conducted by IIT Bombay • Second Runner-up in Sangam 2024 Hardware Hackathon under the "Energy and Environment" track • Finalists of Kavach 2023, Cyber-THON 2023 and EncryptCon 2024 national hackathons • Ranks 13, 126 in ICPC 2023 Kanpur Regionals and rank 29 in ICPC 2023 Amritapuri Regionals • Global ranks 968 and 1161 in Round 2 of Meta's Hackercup 2023 | |
| | Events and Initiatives | Lynx |
| TriNIT Hackathon | | A 36-hour nation-wide hackathon conducted in collaboration with student bodies of NIT-T (Spider R&D), NIT-K (ACM) and NIT-W (CSEA). The hackathon saw a whopping registration count of 4,200 individuals and 1,800+ teams |
| TechnoGym and Pool Registration | | Partnered with SportsCouncil NIT Trichy to facilitate fair online process for registration of TechnoGym and Swimming Pool prize in Robofest'23. |
| Spider FOSS | | The Spider Free and Open-Source Software was an initiative taken by the club to encourage open-source culture among students. Spider R&D open-sourced "Statik - A decentralized Version Control System". Additionally, community sessions were conducted to educate students about the technology used. |
| Workshops and Community Sessions | | Workshops were conducted during Pragyan InhoTTs, Pragyan Techids 2.0, International Women's Day and Spider Week encompassing a wide range of topics such as Deep Learning, Competitive Programming, Cybersecurity, Networking, Dark Web Research, Web3.0, Electronics and Robotics. Additionally, a live ICPC Awareness session was conducted on YouTube. |

SCIEnT

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| Events Conducted | Genesis'23 | A startup Ideation and pitching event in collaboration with the Institute Innovation Council.  |
| | TransfiNITTe | The in-house Hackathon in collaboration with the technical council. SCIEnT sourced more than dozen real-life problem statements from Boeing |
| | Open day | SCIEnT facility awareness creation amongst PG and PhD scholars |
| | Open House Exhibitions | As part of Pragyan showcasing the various projects by Tech clubs |
| | SCIEnT Annual day |  |
| Initiatives | Alumni Mentorship Program | |
| | Competition teams | Coordinating selection |
| Facility and Inventory | Inventory and Components Expansion | |

SOCIAL CLUBS

PUPIL FOR PUPIL COMMITTEE

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| Initiatives | Facilitated Bed Donation to old age home on 28 Jun 2023. |
| | Assembled lots of dustbins around the race track and helped to gather the plastic waste for the SportsFETE 23 Marathon at NIT Trichy |
| | Went to Thuvakudi Government School to celebrate the occasion of children’s day and organized many activities and gave gifts to all the students. |



TASKFORCE

| Event | Events Description |
|-------------------------------|--|
| Recycle | The "recycle" initiative, undertaken by the task force, is an innovative and environmentally conscious program aimed at repurposing and using old bicycles left behind by recent graduates. The event has been collectively held from 18th august till 21 st august 2023.the event has already seen significant success, with 100 cycles sold within the span of the event in 3 days. |
| Orientation volunteers | Volunteered to help the orientation team on collaboration with social council in successfully onboarding the first-year students with their hostel process. |
| Townhall | The Taskforce organizes the Townhall event in collaboration with Students Council, which is a platform for the clubs to propose their required budget for the entire academic year. |
| Series of melas | Conducted a series of melas, namely the aadhar updation mela, pan card mela, bank account mela, and bank loan mela to benefit the student community. This series of mela took place between 31.10.2023 and 04.11. 2023.around 200 students have been collectively served by these initiatives. |
| Eye camp volunteers | The collaboration between the taskforce and the student council yielded another impactful initiative on february 3rd, 2024, with the organization of an eye camp in partnership with vasan eye care centre. Running from 10 am to 5 pm, this camp aimed to prioritize the eye health of students, recognizing the strain imposed by prolonged use of electronic devices. |
| Passport mela | Passport mela is an initiative done by taskforce during the mid-february and march, which focuses on making the passport process a hassle-free one for the students of nit trichy. The number of successful applicants is around 700 students. Our future scopes includes expanding the initiative to the faculties and staffs of nit trichy as well. |
| Soapbox | It serves as a forum where candidates vying for students’ council positions can articulate their visions, plans, and goals directly to the student community. The soapbox event was conducted on april 1st and 2nd, 2024. |



APEKSHAA

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| Initiatives | On Independence Day, a drawing competition was conducted for the students of REC School on the theme of Patriotism, fostering creativity. |
| | Assembled lots of dustbins around the race track and helped to gather the plastic waste for the SportsFETE 23 Marathon at NIT Trichy |
| | Went to Thuvakudi Government School to celebrate the occasion of children’s day and organized many activities and gave gifts to all the students. |

AKKARA

| Event | Events Description |
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| Guest Lecture | Mr B.N.Rahamadhullah completed his Master’s from MIT, Cambridge But later his interest in nature made him develop “ BN Organic Farm-Ecological Forest” which has 179 plant species. On 8 th Nov 2023, he gave us a valuable talk on “Green Environmental Making” which included insights on growing mini farms, domestic animals, irrigation systems, farming techniques, and environmental sustainability. |
| Spring Seed | Spring Seed 2.0 is an initiative to make a small environmental change among students and help them understand sustainable practices. This foundational step laid the groundwork for the forthcoming journey of nurturing and growth. |
| University Visit | On 13 th April 2024, Students from NIT Trichy visited Tamil Nadu Agricultural University, Anbil Dharmalingam Agricultural College and Research Institute, Tiruchirappalli. Students had great interactive sessions with experts and had the privilege of visiting laboratories dedicated to the development of cutting-edge technologies in agriculture. |
| Case Study | On 7 th April 2024, on Account of Social Week conducted by the Social Council, NIT Trichy, the Akkara club organized a social awareness case study event “From Seed to Scale” among students on various real-world agriculture-related scenarios with emphasis on crucial topics like preventing farmer suicides and empowering women in agriculture. |



ENRICH

| Event | Events Description |
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| Academic Activities for the 2027 batch | Classes for all subjects were held daily for 23 students from the 2027 batch of UG, led by 13 mentors (3 rd , 4 th year UG, PG, and PhD Scholars). These sessions ensured full curriculum coverage and included doubt-resolution sessions. |
| Academic Support for the 2026 batch | From the 2026 batch, 14 students of the UG benefited from a department-wise mentorship program, offering personalized academic guidance from professors to create a supportive learning environment. |
| Interactive Learning Platforms: | "Enrich Week" fostered interactive sessions and workshops, encouraging collaboration and critical thinking beyond traditional classrooms. |
| Language Enrichment Programs | Both the 2026 and 2027 batches received spoken English classes to enhance communication skills for academic and professional success. |

| IGNITTE | |
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| Event | Events Description |
| Admissions | Facilitated admissions for students who studied under us for the JEE Mains 2023 session during the month of May, ensuring that they get an opportunity to study in the best institution possible. |
| Screening Tests | Conducted annually in the districts of Tiruchirappalli and Tirunelveli to assess the abilities of government school students and select candidates for our coaching program, during the month of September. In this year's Tests, over 500+ students attended in each district. |
| Bridge Course | Organized at the start of the academic session to assist students in mastering basic concepts and facilitate a smooth transition from Tamil to English, particularly beneficial for those from Tamil-Medium schools. |
| Weekend Classes | Held every weekend of the month for Tiruchirappalli district students in our campus classrooms at Orion or LHC. |
| Mini-Crash Course | Conducted in September during the 5-day holiday period, including students from Tirunelveli district, to provide intensive coaching. |
| Kalvithadam Sessions | We have conducted multiple Kalvithadam Sessions over the past year, in various schools across districts. These include sessions in Seva Sangam Girls School, Trichy (January 20 th , '24), M CT RM Ramanathan Chettiar Government Higher Secondary School, Pudukkottai (October 14 th '23), Thyagaraja Model Higher Secondary School, Madurai (April 13 th '24) and a session in Campus as a part of Pragyan's Techids event (November 4 th '23). |
| Crash Course | Annual coaching program during winter breaks from December 2023 to January 2024, preparing students extensively for the JEE exam. |
| Kalvithadam Brochure and Website Launch | On April 9, unveiling the Kalvithadam website containing comprehensive career details. |
| YouTube Launch | Launch of the YouTube channel for broader outreach and accessibility. |



LEAP

| Event | Events Description |
|---|---|
| Photography Event: EAPIX | A nature-themed photography competition aimed at fostering creativity, skill development, community building, cultural enrichment, economic growth, and personal reflection. |
| Case Study Event | A event on solar energies, environment, and modern GPTs, offering insights and opportunities for students to find solutions. |
| Golden Dustbin | A book distribution initiative promoting recycling, reuse, and recycling, fostering a circular approach to resource utilization. |
| Plantation Event | A hands-on experience in growing a plant, promoting holistic education, personal development, and community engagement. |
| Environment awareness and carbon footprint | A screening of an environmental film to raise awareness about climate change impacts and the urgency of environmental protection. It served as a catalyst for raising consciousness about the need for environmental stewardship and fostering meaningful conversations about environmental issues and potential solutions. |

OMEGA SCIENCE AND SPIRITUALITY

| Event | Events Description |
|-------------------------------------|--|
| Meditation Workshop | Celebrates 11 years of Silent Revolution, held on February 2, 2024, at Orion G12. |
| Global Spirituality Mahotsav | Organized by the Ministry of Culture, Government of India, and Heartfulness. |
| Yoga Mahotsavam | 3-day Yoga and Meditation Workshop at BHEL Community Centre from March 25 to 27, 2024. |
| Samvaad | Exclusive Interaction Session with Acharya Prashant, conducted via Zoom video conference on April 6, 2024. |
| SereNITTy | Launched its magazine, "SereNITTy," which aims to curate insightful content and promote intellectual engagement. |
| Weekly Meditation Sessions | Led by Sangeeta mam every Wednesday evening, providing mental peace and releasing stress. |



PRAKRUTI

The nature club of NIT-T responsible for the welfare of the animals and plants. Ensures the care of and also take an active responsibility in spreading awareness of nature.

| Date | Events/ activities | Location |
|-------------------------|---|-------------------|
| 3 rd Aug 23 | Calf injured, oral medicine only, | QIP Quarters |
| 17 th Sep 23 | Puppy accident, visited hospital, Dressing and glucose drip. | Opal Hostel |
| 21 st Oct 23 | Accident case, treated, Given PT, recovered, | Agate |
| Nov 23 | Rescued a dog outside main gate | NITT Main gate |
| 9 th Dec 23 | Abscess formation, treated, recovered | MM2 |
| 11 th Dec 23 | Car accident Case. Govt hospital . took to govt hospital chhatram. Treatment given. recovered | Transport section |
| 15 th Dec 23 | GINGER an indie near MME Dep. was treated successfully. Recovered | MME Dept |
| 24 th Dec 23 | Swelling Infection of puppy , treated | MM2 |
| 29 th Dec 23 | A pup rescued, operated | zircon |

And many more, apart from this Feeding of dogs with leftover foods from MM2 was carried out. Awareness of the pupil about animal rights, how to give first aid, safety measures etc was carried out.



| Date | Events/Activities | Location |
|--------|--|--------------------------------|
| May 24 | Sterilization of dogs, in talk. | ECE Department |
| APR 24 | A dog suffering from vaginal cancer is undergoing treatment | Transport section |
| | A total of 3 Squirrels were treated of heat stroke | Lapis, MM2 |
| | Deworming of Dogs in the Campus | |
| | Understanding Canine Behaviour” lecture by President Anuj Kashyap, Tree plantation near Malai Kovil Temple Pond on Social week | LOGOS, Malai Kovil Temple pond |
| | Dog with abscess near hostel office treated, recovered. Cat rescued of dogs | Hostle office |
| | Procurement of Water pots for Peacocks and Dogs in the process | |
| MAR 24 | Heatstroke-affected dog in zircon treated, recovered | zircon |
| | Dog fell in pit in MM2 rescued | MM2 |
| FEB 24 | Dog suffering of porvo near NIT school treated inhome. | NITT school |
| | Guest lecture By VEGAN ANIMAL ACTIVIST Mr Arvink Kanan inorion | Orion |

Achievement- Reached more no. of people. Got appreciated by Rathnas pet clinic & People For Animal for groundwork. Apart from that Prakruti is planting 50+ trees in campus behind Pearl.

CULTURAL CLUBS

AAYAAM

| | | |
|---------------|--|--|
| Events | Umang '23 | Conducted the Hindi week on campus from Sept 14 – Sept 19. Aimed to enrich the non-Hindi speaking society and build curiosity about the language. The event saw over 95 participants across the various events |
| | Festember '23 | Collaborated with Festember '23 for Hindi Lits events. Organised 5 events including Cricket Quiz, Debate, Rochak Mantrana, Extempore, Titanic Safari. |
| | Dandiya Night | Conducted Dandiya Night on 21 st October to celebrate Navaratri. The festival gave a chance to students to experience Gujrati culture. Prizes were given for attendees with the best ethnic wear. |
| | Creative Writing | A creative writing competition was conducted on 30 th October |
| | TOLIC (Town Official Language Implementation Committee) | In collaboration with TOLIC, conducted a workshop on the activities of the Official Language Implementation Committee. Also conducted Bhartiya Bhasa Utsav in collaboration with TOLIC. |
| | Republic Day | Helped organise the Tiranga March to foster national pride and unity in NIT Trichy on Republic Day. |
| | Chitrakala Competition | Conducted Chitrakala competition on the occasion of Mahashivratri |
| | Holi Hungama | Celebrated on 24th March with huge participation from students. The celebration started on the night before Holi with Holika Dahan. On Holi colours were provided along with refreshments for all attendees. |



AKSHARA

| | | |
|---------------|----------------------------|--|
| Events | Krishna Janmashtami | Celebrated Janmashtami on Sept 6 at CEESAT ground with a crowd of over 300 people. A pot-breaking event (Utti) and a children's Radha and Krishna dress competition was held. |
| | Festember '23 | Conducted a Treasure Hunt and Picture Inter-Linking Activity with good attendance as a part of Festember '23 |
| | Harshotsavam | Harshotsavam celebrations were conducted on Nov 11 and 12 with an attendance of over 300 people. The event was filled with activities including food festivals and a movie screening of Housie |

AMRUTHAVARSHINI

| | | |
|------------------------------|--|--|
| Events | Interviews in collaboration with Spic Macay | In collaboration with Spic Macay, esteemed personalities were interviewed such as Vidwan Prasanna Venkataraman and Mridangam Vidwan Arjun Ganesh. |
| | Siddhi Vinaayakam Anisham | An enlightening Sangeetha Upanayasam was conducted on 16 th Sept with a captivating performance by Vignesh Chandrasekharan and his team. |
| | Festember '23 | Conducted the Shruthilaya Cluster as a part of Festember '23. The cluster featured engaging quiz and percussion events. |
| | Orientation Performance | Performed a rendition of Jagadananda Karakaa on 24 th August setting a tone for the year. |
| Performances | Janmashtami Concert | Organised a temple concern on 6 th Sept with second-year students showcasing their talent. |
| | Vinayaka Chaturti Concert | A temple concert was held on 19 th Sept to pay homage to Lord Ganesh. |
| | Thyagaraja Aaradhanai | Club members paid homage to the saint Thyagaraja by visiting Tiruvaiyaru and rendering his timeless compositions in late Jan. |
| | Dhikshitar Aaradhanai | Participated in the Dhikshitar Aaradhanai at Ettayapural in late March honouring the contributions of saint Mutuswamy Dhikshitar through soulful renditions of his compositions. |
| | Carnatic Music Workshops | Conducted regular Carnatic music workshops throughout the year open to both students and public. These workshops included classes on Thaalam, Vocal, Percussion and Jamming. |
| Workshops and Classes | Guided Listening Sessions | Guided Listening Sessions at SAC 03 along with online streaming. The sessions include a musical concert followed by simple explanations |
| | Pancharatnam Learning Sessions | Throughout the year, club members were taught various pancharatnams by the final years to enhance their musical knowledge |



BALLS BY PICASSO

| | | |
|---------------|----------------------|---|
| Events | NITTFest | Conducted the English Lits cluster in collaboration with NITTFest with a plethora of events with great enthusiasm. |
| | Aaveg | Conducted the English Lits cluster in collaboration with Aaveg for the first years with a plethora of events with great enthusiasm. |
| | Festember '23 | Conducted the English Lits cluster in collaboration with Festember with a plethora of events with great enthusiasm from students from NITT as well as those from other colleges. Events included MELA quiz, General Quiz, Potpourri, What's the Good Word, Debate and many more were conducted. |

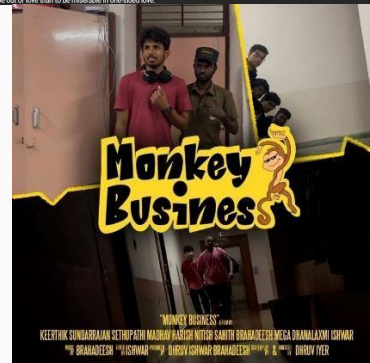
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|---------------------|--|--|
| | Weekly Events | Weekly Lits events were conducted throughout the year on different themes like Music, Entertainment, Sports, Word Puzzle, Debates etc. These events were conducted to encourage an interest in English Literary activities |
| Competitions | <p>Actively brought laurels to the institute by representing it in various national events including:</p> <ul style="list-style-type: none"> • Mood Indigo (IIT Bombay) • Saarang (IIT Madras) • Saastra (IIT Madras) • Whipso Facto (NLSU Bangalore) • Christ Quiz Fest (Bangalore) • Kuruksastra (Sastra, Thanjavur) <p>Bagged over 40 podium positions throughout the year and placed as finalists in many more.</p> <p>Played a key role in bagging Overall Best Institute Trophy at Kuruksastra by bagging 19 podium positions at the English Lits cluster.</p> | |



| DANCE TROUPE | | |
|---------------------|---|--|
| Events | Salsa Workshop | Held a Salsa workshop for Archcult with a participation of 120 people |
| | Dance Workshops | Conducted Dance workshops for Eastern and Western dance styles for NITT students to learn the choreographies. |
| | Induction Workshops | Conducted dance workshops as a part of inductions for the registered students |
| | Zest | Conducted the annual intra-DT competition where 2 nd years compete in teams including both club members and other students. |
| Social Media | <ul style="list-style-type: none"> • Promotional reel for LGM in collaboration with Festember • Posted 6 dance reels with the highest reel having 25.4k views and lowest having 13k. | |
| Competitions | <ul style="list-style-type: none"> • India's Hip Hop International regionals - Western team got selected to represent India in Arizona, USA. • Saarang (IIT Madras) • Dhuva (IIM Trichy) - The Eastern team won 2nd place. Won got 2nd place in the Solos competition as well. • Echoes (IIM Kozhikode) - The Eastern team won 2nd place. • Riveria (VIT Vellore) • Dhanak (IIST) - The Western Team won 3rd place. • Kurushetra (Sastra) - The Eastern team won 1st place. | |
| Performances | <p>Performed for the following events in campus:</p> <ul style="list-style-type: none"> • Chemistry department symposium • Orientation • Festember's Choreonite (Host Performance) • Archcult | |

FILM SOCIETY

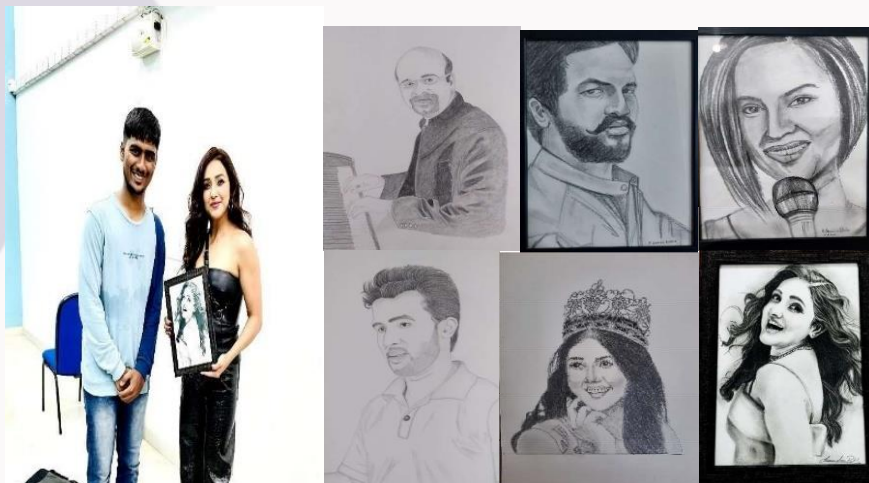
| | | |
|-------------------------|--|---|
| Videos | Music Video | Wrote, directed and produced a music video in collaboration with Pixelbug |
| | Short Films | Shot and released two short films: 'Monkey Business' and 'Fist of Iron' |
| | Post Production | Two untitled projects in post-production to be released over the summer |
| Events | Movie Screening | Movie screening for CulFie '23 in different languages to promote cultural diversity |
| Social Media | <ul style="list-style-type: none"> Kept up with cinema worldwide to improve audience engagement through online platforms like Instagram and Youtube | |
| Song Composition | <ul style="list-style-type: none"> Composed 3 songs as a part of the new initiative to encourage music composition | |



FINE ARTS SOCIETY

| | | |
|------------------|----------------------------|---|
| Art Works | Festember '23 | Gifted 6 portraits of Festember guests including Anil Srinivasan, Gaurav Juyal, Tejaswini Manogna, HipHop Tamizha, Madhushree and Neethi Mohan |
| | Archcult Exhibit | Artworks from club members were exhibited for 3 days at the lecture hall during Archcult |
| | Capstone Wall Mural | <p>From Sept to Dec worked on painting the mural on Capstone wall.</p> <p>Work done in September</p> <ul style="list-style-type: none"> Introduction and research on wall painting and mural analysis, design. |

| | | |
|----------------------|-----------------------------------|--|
| | | <ul style="list-style-type: none"> • Finding out the grid and fitting onto 5 x 9.2 mts wall • Finding suitable colours • Finding suitable paints • Listing down the requirements <p>Work done in October</p> <ul style="list-style-type: none"> • Getting materials • Finalizin the design • Shuttering fixing • Preparation of surface – fixing cracks with putty, levelling uneven surface <p>Work done in November</p> <ul style="list-style-type: none"> • Primer coat • Second background coat • Grid with red oxide thread • Sketching • Start of painting first coat of grey • Starting other colours first coat. <p>Work done in November</p> <ul style="list-style-type: none"> • Finishing Painting first coat and second coat. • Removal of shuttering. |
| <p>Events</p> | <p>Rangoli Competition</p> | <p>Conducted and judged the rangoli competition as a part of CulFie '23.</p> |



MUSIC TROUPE

| | | |
|---------------------|---------------------------|---|
| Performances | Orientation | Performed a medley of songs across genres and languages to welcome the freshers to NITT. |
| | 1983 Reunion | Performed for the alumni gathered at the REC 1978-1983 batch reunion program. |
| | Archcult | Performed a curated set of Malayalam, Tamil, Hindi and English songs as a part of Archcult |
| | Pongal | Performed at Tamil Mandram’s pongel celebration in front of the team for the movie Lover |
| Events | Old Age Home Visit | Performed at Truwdes old age home as a part of HumaNITTy week. |
| | Open Mic Event | Organised an open-mic event to all students |
| | Crescendo | Crescendo' delivered an electrifying evening at Basketball court as Music Troupe showcased 15 songs spanning Hindi, Tamil, and English genres, captivating the audience with chart-toppers and nostalgic favourites, making it a memorable night for all attendees. |
| Competitions | | <ul style="list-style-type: none"> • Music Troupe won the 1st prize in the battle of bands competition hosted by IIM Trichy • Music troupe excelled at Saarang'24, with both Eastern and Western bands qualifying for competitive offline prelims. Additionally, the Eastern band clinched 3rd prize in Tarang (Eastern band) finals. • Music Troupe secured 2nd place in the Eastern Fusion band contest and 3rd place in the Western Band contests at the competitive VIT Vellore Riviera Fest, adding to our winning streak. • Music Troupe clinched the 1st prize in the Eastern band competition at Kuruksastra'24 by Sastra University! NIT Trichy also won the overall trophy. |

PIXELBUG

| | | |
|------------------------|---------------------|---|
| Accomplishments | Music Video | Filmed the video song, edited and posted in collaboration with FSOC and got a reach of 85k+ views on Instagram and Youtube. |
| | Social Media | The club has successfully published over 80 posts on both Instagram and Youtube, featuring an attractive grid design. These efforts have garnered significant attention, with videos reaching over 400k+ views and photos achieving more than 200k+ views. |
| | Coverage | We documented all the major events and fest that are happening inside our college. This involvement supports the development of its members’ technical and creative skills in photography and videography. |
| Events | Aurora | Aurora is the flagship event of the Pixelbug where it is aimed at establishing a platform for young photographers to interact and learn from the veterans in this field. The speakers of the event were Munish Palaniappan, Arun Siddharth and Karthik Rajagopal. |

SPIC MACAY

| | | |
|---------------|--------------------|---|
| Events | Orientation | Conducted a Carnatic Vocal performance by Sri Prasanna Venkatraman on the 2nd of September. Sri Prasanna was ably accompanied by Sri Arjun Ganesh on the Mridangam and Sri Trivandrum Sampath on the violin |
| | Festember | On the joyous occasion of the inauguration of Festember on the 5th of October, SPIC MACAY NIT Trichy presented a Kuchipudi recital by Smt. Vyjyanthi Kashi and her disciples. As a part of the valedictory ceremony for Festember on the 7th of October, a Tholpavakoothu recital by Sri KK Ramachandra Pulavar was hosted. Tholpavakoothu is a form of shadow puppetry that is practised predominantly in Tamil Nadu and Kerala. |
| | Virasat | Virasat is SPIC MACAY's annual four day festival that brings together a melange of events, activities and workshops. The first day started with a Koodiyatam, a Sanskrit-based theatrical art form from Kerala by Kalamandalam Dr. Krishnendu. The next day, Vidwan Sheik Mahaboob Subhani and Vidushi Kaleeshabi Mahaboob performed a stunning Nagaswaram recital. The final day concluded with a brilliant Kathak performance by Vidushi Gowri Diwakar. In addition to this, a Kalamkari Workshop was also conducted. |

TAMIL MANDRAM

| | | |
|---------------|------------------------------|--|
| Events | Festember | Organised Tamil Lits events for Festember 2023. Sagalakala Vallavan, Uyarthani Semmozhi, Padathodu Pesa Va, Sorkanai, Asatha Povathu Yaaru, and Kodambakkam were the events conducted. The event Asatha Povathu Yaaru had a live coverage by Aathithya TV Channel and was published on their YouTube channel. |
| | Gala for Kids | Organised and engaged government school students with fun and interactive events related to Tamil and Tamil movies. |
| | Bharatiya Basha Utsav | Tamil Mandram students gave a presentation to the non-teaching and teaching staffs of NIT Trichy about the latest tech-tools related to language usage. Many programs were successfully organised by Tamil Mandram for Bharatiya Basha Utsav on the final day of the event. Many Government school students from around Trichy participated in these events |
| | Vidhai | Vidhai event was organised in collaboration with International Year of Millets 2023. The events conducted were based on Millets and Tamil. |

| | | |
|--------------------|---|---|
| | Porutpaal and NITTILAM Magazine Release | Organised Porutpaal – A Guest Lecture series where famous Tamil Writer Mr Chokkan, Mr Rajaguru -an archaeologist, and Mr Karthick Chidambaram, Founder and CEO of DCKAP, spoke about the monetary opportunities available in Tamil. The Annual Magazine of Tamil Mandram was launched by the above speakers. |
| | Guest Lecture for Needs of Nature | A guest lecture was held in collaboration with the Department of Energy and Environment by Mr. B. N. Rahamadhullah, Chief Ecologist, regarding the conservation of nature and farm crop management system. |
| | Pongal | Pongal celebrations was organised by Tamil Mandram on 27 th Jan. Some highlights include a talent show, debate, traditional Tamil games, talk show with the cast of Lover and Simlamban and Theechilambam performances |
| | Tamil New Year | Tamil New Year celebrations were conducted on 11 th April. The event included a guest lecture by Mr. Bawa Chelladurai, orator and writer, informal games for students, Bommalattam – the puppetry show and Paraiattam, in which students showed their eager participation and enthusiasm. |
| Initiatives | Tamil Classes | Organised Tamil Classes for 3 days in which more than 120 people, including students, PhD Scholars and even Professors participated in this event. A WhatsApp group had been created in which they post their doubts and queries, which are answered by the members of Tamil Mandram. |
| | Video Series | Collaboration with Amruthavarshini to produce a series of videos about “Thirumuraiyum Thamizhisaiyum”, where ancient Tamil songs are expressed through Carnatic Music. |
| | Translation | Translated official documents at NITT as well as Festember press release translation. |
| Competition | <ul style="list-style-type: none"> • Participated in a GL organised by Kasi Tamil Sangamam • Participated in a speech competition organised by the Government of Tamil Nadu to celebrate the birthday of Pandit Jawaharlal Nehru. • Participated in a competition organised by the Government of Tamilnadu to celebrate the 100th birthday Dr. Kalaignar. (Won 3rd prize) • MIT Chennai competition (Participation) • Kongu Engineering College Zhagaram competition (Participation) • Sastra college competition (6 winning - 1. Sotrali (Essay writing) - 1st, 2nd 2. Kavithoppu , (Poetry writing) - 2nd, 3. All in all Azhagu Raja - 2nd, 4. Sorkanai (Speech) - 1st, 5. Thamizhattam (Tamil Quiz) - 1st) | |

TEDxNITTrichy

| | | |
|---------------|----------------------|---|
| Events | Equinox '23 | On August 27, conducted its 8th consecutive flagship event, Equinox 2023. The event featured a distinguished lineup of speakers, each bringing expertise from diverse fields such as creative arts, architecture, and the legalities surrounding Artificial Intelligence. The event comprised five insightful talks interspersed with enjoyable audience engagement activities. Following the event, participants had the opportunity to network with the speakers, fostering direct interactions and meaningful connections. |
| | ConnecTED '24 | On February 17, 2024 TEDxNITTrichy conducted a TEDx-themed event ConnecTED exclusively for the first years. The event also served as an induction briefing event with the introduction of the core beliefs of TEDx and as to what we as a team at TEDxNITTrichy do. |

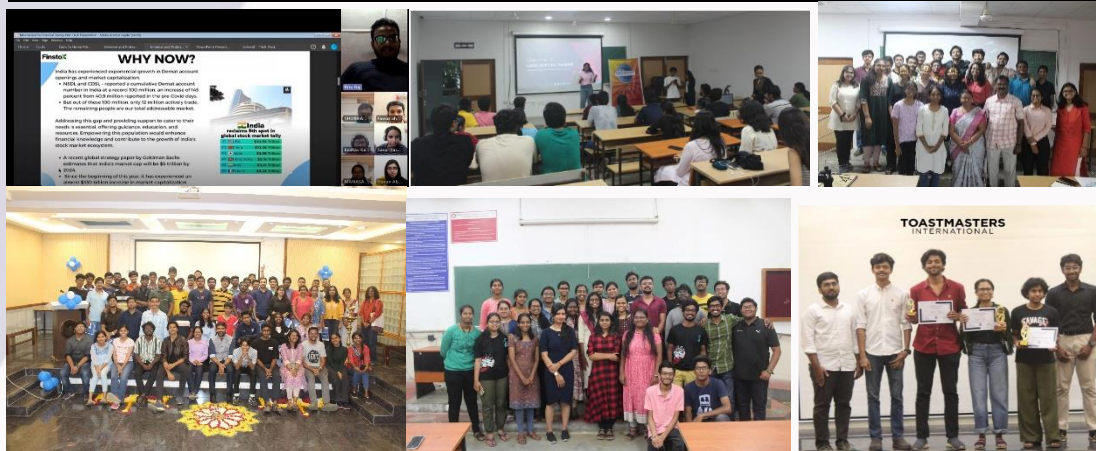
THESPIANS' SOCIETY

| | | |
|---------------------|----------------------|---|
| Performances | Orientation | Performed monoacts for first years during Orientation |
| | Festember | Performed host performance in EEE Auditorium during Festember |
| | Cresendo | Two narrative story enactments and stand-up comedy was performed in collaboration with Music Troupe |
| Competitions | NIT Surathkal | A play and two slam poetry pieces were enacted. Received third place in one-act play category. |
| | Kuruksastra | Won first place in the Theatre competition, along with best writer and best director accolades |

TOASTMASTERS INTERNATIONAL

| | | |
|---------------|----------------------------|--|
| Events | Pitch Perfect | This event was a collaboration with the Entrepreneurship Cell of NIT Trichy. This event aims to improve communication skills and how one can effectively deliver a startup pitch. |
| | Unscripted Sagas | Unscripted Sagas was an event held during Orientation to highlight the club's main aspects; improving impromptu speaking skills and overcoming stage fear. Freshers were instructed to weave a tale full of imagination to test how far their creative renditions could take them. |
| | Educational Session | TM Sonal Shailendra, the past President of India's first Toastmasters Club, came from Bengaluru Toastmasters to conduct an educational session on Mastering the art of speechcraft. |

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|---------------------|--|---|
| | Humorous Speech and Evaluation Contest | the Area-level Humorous Speech and Evaluation Contest was conducted in NIT Trichy on 15th Oct. It was a hybrid event where members from Trichy and around participated. Two members won contests and proceeded to the division level |
| | Officers Training Program & Judges Training Program | Conducted officers training program & judges training program in which members of Toastmasters clubs all around the Tamil Nadu state participated. Gained key insights about the club and about life through professionals in public speaking. Our district director DTM Gayathri, program quality director DTM Mohanakrishnan, club growth director TM Vinoth Kumar gave insightful and inspirational speeches |
| | Alumni spotlight | Organised an event in collaboration with WINNITT to celebrate International Women's Day. Miruna Bashkar, an alumni of NITT 2019, and now an Instagram influencer, health coach, and certified yoga instructor, was the spotlight speaker. This event covered various important topics, including holistic living, nutrition tips for women, and gender equality in the workplace. |
| Achievements | Area Director Visit | The Area Director of Area H5, Toastmaster Uma Arumugasamy from Tuticorin visited our campus to address us and to evaluate the club's quality. We also presented all our achievements and progress of our club over the years to her. The score given to our club in the Area Director Club Visit Report is "Exceeds Expectation". |



LAKSHYA

| | | |
|---------------|--------------------------------|---|
| Events | Breast Cancer Awareness | <ul style="list-style-type: none"> • Awareness walk • Panel discussion and Guest Lecture • Thermogram |
| | Lakshya | <ul style="list-style-type: none"> • Movie screening (prefest) • Echoes of the Vanished • Parkour • Tent Pitching • Question Mark • Rifle Shooting • Maza Run • Chakravyuh • Guest Lecture by Dr. R R Clement, IRS |

A-FLIGHT NCC

3 TN AIR SQN (TECH) NCC

In the spirit of community engagement and social upliftment, A-Flight NCC dedicated the years 2023-2024 to a series of impactful social responsibility events. These initiatives not only underscore the organization's commitment to societal well-being but also showcase its proactive role in addressing pressing community needs.

List of Important Events in 2023-2024

| EVENT | DATE |
|--|-------------------------|
| Independence Day (Poster and Drill) | 15/08/2023 |
| NCC Inductions | 21/9/2023 - 06/10/2023 |
| Inspection | 26/10/2023 |
| BCA awareness walk | 31/10/2023 |
| BCA panel discussion and Guest lectures | 04/11/2023 |
| BCA Thermogram test | 04/11/23 - 05/11/2023 |
| Viksit Bharat | 12/12/2023 |
| A cadet selected in NDA | |
| Republic Day (Poster, Foot drill and Rifle drill formations) | 26/01/2024 |
| C certificate examination | 25/02/2024 - 26/02/2024 |
| Air Force Station Visit | 22/03/2024 |
| B certificate examination | 23/03/2024 - 24/03/2024 |

In 2023-2024, A-Flight NCC held official meetings and parades, training cadets at the NSO ground. Under the leadership of third-year cadets, second-year cadets trained first-year cadets in foot drills, using recorded videos, live demonstrations, and detailed explanations to ensure comprehension. Meetings concluded with motivational talks and guidance from senior cadets. Additionally, theory classes were conducted by PI Staff, covering topics on NCC, the Indian Air Force, special subjects, and moral values to foster responsible citizenship.

CAMPS AND ACHIEVEMENTS BY NCC CADETS/ANO

The CTC-TSC Army Wing camp was held at NIT Trichy from January 7, 2023, to January 14, 2023. It was conducted by the 3 (TN) CTC NCC Trichy unit under the leadership of Lieutenant Colonel Ajay Kumar, who served as the commanding officer.

The CATC-1 cum Pre IGC VSC-Training Camp was held at NIT Trichy from June 26, 2023, to July 3, 2023. This camp was conducted by the 3(TN) Air Squadron (Tech) NCC, with Wing Commander Abhishek Mittal serving as the commanding officer.

The CATC-2 cum Pre IGC VSC-Training Camp took place at PMU College from July 13, 2023, to July 22, 2023. This session was hosted by the 3(TN) Air Squadron (Tech) NCC, under the command of Wing Commander Abhishek Mittal.

A-FLIGHT NCC KEY EVENTS SUMMARY 2023

1. Independence Day Celebration: Cadets performed a foot drill in front of the Indian National Flag and invited the entire institute, enhancing community spirit.

2. NCC Inductions

- **Process:** Online group discussions and personal interviews, followed by a three-day offline induction.
- **Outcome:** 21 cadets selected from 194 participants to ensure the best fit for NCC training and activities.

3. NCC Inspection

- Commanding Officer Abhishek K Mittal and team inspected facilities, interacted with cadets and staff, and reviewed operations for improvements.

4. Breast Cancer Awareness Campaign

- **Events and Dates:**
 - **Awareness Walk:** 01/11/2023, 200 participants marched in pink, raising community awareness and unity.
 - **Guest Lecture and Panel Discussion:** 03/11/2023, 170 students attended sessions on breast cancer prevention and treatment.
 - **Free Thermogram Tests:** 03/11/2023 - 04/11/2023, conducted tests for early detection with 250 students participating.

COMMUNITY IMPACT AND FUTURE COMMITMENTS:

A-Flight NCC's social responsibility events have significantly impacted community welfare, such as the Cloth Collection Drive which benefited orphanages and Breast Cancer initiatives that enhanced community health awareness. Moving forward, A-Flight NCC is committed to expanding its contributions to community welfare, adopting new and innovative approaches for a lasting societal impact.

Key Events and Future Directions:

| Event | Date | Location | Details |
|--------------------------------|-------------------------------|--------------------------------------|---|
| Viksit Bharat Launch | 11/12/2023 | NIT Trichy | Launched by PM Narendra Modi, focusing on involving youth in India's development by 2047. |
| Republic Day | 26/01/2024 | NIT Trichy | Cultural performances and drills to celebrate the nation, with extensive community invitations. |
| C Certificate Exam | 25/02/2024 - 26/02/2024 | St. Joseph College, Chathiram | Final exams for 3rd year NCC cadets, including practical tests and viva. |
| Air Force Station Visit | 22/03/2024 | Air Force station, Vallam, Thanjavur | Cadets learned about military aircraft and equipment, enhancing their technical knowledge. |
| B Certificate Exam | 23/03/2024 - 24/03/2024 | St. Joseph College, Chathiram | Exams for 2nd year cadets, focused on practical skills and drills. |

As A-Flight NCC looks to the future, it remains dedicated to driving positive changes through a focus on education, community service, and development initiatives that inspire the next generation of leaders and responsible citizens.



NSS

VILLAGE AND SOCIAL SERVICE ACTIVITIES

MERI MAATI MERA DESH - AMRIT KALASH YATRA 2023



On October 9, 2023, NIT Trichy hosted the vibrant "Meri Maati Mera Desh" event at Barn Hall, attended by 400 undergraduate students with the institute’s Director, Dr. G. Aghila, as the chief guest. The inauguration began with a welcome from Program Coordinator Dr. K. Panneerselvam, followed by ceremonial activities led by Dr. Aghila and a speech from Dean Dr. R. Karvembu. The event also featured the "Panch Pran Pledge" by student Chairperson Mr. Harish and concluded with a vote of thanks from Vice Chairperson Ms. Nithya Shree, alongside high tea for attendees.

From October 10-13, 2023, NIT Trichy held a series of events as part of the Amrit Kalash Yatra. On the 10th, the Shilaphalakam memorial was dedicated to honor freedom fighters, with their names inscribed on it and erected in local villages. The following day, quizzes on space technology and the Amrit Kalash Yatra drew over 500 student participants. On October 12, the NSS team organized events at local schools, featuring speeches by key faculty and the distribution of rice, sand, and soil collected from local areas to be sent to the National Capital. The Director, Dr. G. Aghila, also distributed 120 indigenous saplings to students. The series concluded on the 13th with a Khadi Mahotsav e-pledge and a quiz competition, rewarding winners with cash prizes.

BLOOD DONATION CAMP 2023-2024

In 2023-2024, NSS NIT Trichy and NITT Hospital organized a blood donation camp in collaboration with Mahatma Memorial Government Hospital, Tiruchirappalli. The camp was inaugurated by Dr. G. Aghila, the Director of NIT Trichy, and featured prominent figures including Dr. N. Kumaresan, Dr. R. Karvembu, Dr. V. Sankaranarayanan, Dr. Hemalatha, Dr. JayaBharathi, Dr. Divya, Dr. Sethupathi, Dr. K. Panneerselvam, Dr. Sankar, and Dr. Rueben Sudhakar, along with numerous NSS volunteers.



BLOOD DONATION CAMP 26th APRIL 2023

EYE-CHECK CAMP-2024



NIT-T Hospital along with NSS NIT-T Team cordially organised FREE EYE-CHECK CAMP in collaboration with Joseph Eye Hospital, Trichy on 17th October, 2023

SPORTS ACHIEVEMENTS

In the 2023-24 academic year, the Sports Department at NIT-Trichy delivered a stellar performance, clinching numerous medals and titles across a wide array of national sports tournaments. Notably, the department excelled in both Inter-NIT competitions and other prestigious events such as the NIFTEM Thanjavur, Colosseum-Sastra, Sangram-IIT Roorkee, and the All-India University Tournament.

Additionally, the sports council upgraded facilities and successfully organized the annual Sportsfete 23-24, which rallied sports enthusiasts across the institute. The "Run for Unity" event in October also stood out, celebrating the legacy of our freedom fighters.

ACHIEVEMENTS AND INITIATIVES

FACILITY INAUGURATIONS AND UPGRADES:

- **Kho-Kho and Volleyball Courts:** Newly inaugurated at REC Middle School.
- **Natural Grass Turf:** Installed at NSO Football Field.
- **Badminton Courts:** New facilities opened at GJCH.

KEY EVENTS ORGANIZED:

- **Sports fete:** Annual sports festival celebrating student athleticism.
- **Run for Unity:** Event promoting community and fitness.
- **All India Inter NIT Tournaments:**
 - **Cricket Tournament (Faculty and Staff):** Hosted in December.
 - **Cricket and Hockey Tournament:** Hosted in January.
- **Sportsfete Hype Event:** Special event to boost sports enthusiasm among students.
- **Alumni Cup:** Multi-sport competition including:
 1. Kho-Kho
 2. Volleyball
 3. Kabaddi
 4. Football
 5. Handball
 6. Cricket



Achievements in All India Inter NIT Tournament:

- **Jaipur:** Women's Badminton - First Place
- **Surathkal:** Women's Kabaddi - Runner Up
- **Durgapur:** Powerlifting - Overall Championship
- **Trichy:** Men's Hockey - Second Runner Up
- **Rourkela:** Swimming - Runner Up for Both Men and Women
- **Warangal:** Athletics - Overall Championship

Performance at All India University Tournament:

- **Badminton:** Women reached the quarterfinals.
- **Mallakhamba:** Team were finalists.

Colosseum 24' – Sastra Achievements:

- **Basketball:** Runner Up
- **Badminton:** Silver for both Men and Women
- **Tennis:** Men - Overall Second, Women - Second Runner Up
- **Volleyball:** Women - Second Runner Up

Sangram-IIT Roorkee:

- **Martial Arts:** Three Bronze Medals

NIRF DATA

National Institutional Ranking Framework Ministry of Education Government of India

Data Submitted by Institution for India Rankings '2023'

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

Sanctioned (Approved) Intake

| Academic Year | 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|-------------------------|---------|---------|---------|---------|---------|---------|
| UG [4 Years Program(s)] | 964 | 964 | 964 | 768 | - | - |
| PG [2 Year Program(s)] | 688 | 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)] | 3298 | 840 | 4138 | 1794 | 2227 | 117 | 494 | 2054 | 88 | 2060 | 72 | 328 |
| PG [2 Year Program(s)] | 1013 | 185 | 1198 | 83 | 1110 | 5 | 175 | 610 | 8 | 717 | 60 | 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 |
|---------------|---|---|---------------|--|---------------|---|------------------------|--|---|
| 2016-17 | 768 | 811 | 2017-18 | 0 | 2019-20 | 803 | 556 | 1050000(RUPEES TEN LAKHS AND FIFTY THOUSAND ONLY) | 178 |
| 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 |

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 |
|---------------|---|---|---------------|---|------------------------|--|---|
| 2018-19 | 582 | 508 | 2019-20 | 489 | 368 | 750000(RUPEES SEVEN LAKHS AND FIFTY THOUSAND ONLY) | 22 |

| | | | | | | | |
|---------|-----|-----|---------|-----|-----|---|----|
| 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 |

Ph.D Student Details

| Ph.D (Student pursuing doctoral program till 2021-22) | | | |
|--|----------------|---------|---------|
| | Total Students | | |
| Full Time | 647 | | |
| Part Time | 256 | | |
| No. of Ph.D students graduated (including Integrated Ph.D) | | | |
| | 2021-22 | 2020-21 | 2019-20 |
| Full Time | 87 | 121 | 117 |
| Part Time | 36 | 43 | 43 |

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

| Financial Year | 2021-22 | 2020-21 | 2019-20 |
|---|---|---|--|
| | 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) | 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) | 33279763 (RUPEES THREE CRORES THIRTY TWO LAKHS SEVENTY NINE THOUSAND SEVEN HUNDRED AND SIXTY THREE ONLY) |
| New Equipment and software for Laboratories | 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) | 235795069 (RUPEES TWENTY THREE CRORES FIFTY SEVEN LAKHS NINETY FIVE THOUSAND AND SIXTY NINE ONLY) |
| Engineering Workshops | 500000 (RUPEES FIVE LAKH ONLY) | 2000000 (RUPEES TWENTY LAKHS ONLY) | 0 (ZERO 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) | 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) | 322067760 (RUPEES THIRTY TWO CRORES TWENTY LAKHS SIXTY SEVEN THOUSAND SEVEN HUNDRED AND SIXTY ONLY) |

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

| Financial Year | 2021-22 | 2020-21 | 2019-20 |
|---|---|---|---|
| | Utilised Amount | Utilised Amount | Utilised Amount |
| Annual Operational Expenditure | | | |
| Salaries (Teaching and Non Teaching staff) | 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) | 1111998273 (RUPEES ONE HUNDRED AND ELEVEN CRORES NINETEEN LAKHS NINETY NINE THOUSAND TWO HUNDRED AND SEVENTY THREE 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) | 940335091 (RUPEES NINETY FOUR CRORE THREE LAKH THIRTY FIVE THOUSAND AND NINETY ONE ONLY) | 1097633696 (RUPEES ONE HUNDRED AND EIGHT CRORES SEVENTY SIX LAKHS THIRTY THREE THOUSAND SIX HUNDRED AND NINETY SIX ONLY) | 1313575976 (RUPEES ONE HUNDRED AND THIRTY ONE CRORES THIRTY FIVE LAKHS SEVENTY FIVE THOUSAND NINE HUNDRED AND SEVENTY SIX ONLY) |
| Seminars/Conferences/Workshops | 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) | 7357983 (RUPEES SEVENTY THREE LAKHS FIFTY SEVEN THOUSAND NINE HUNDRED AND EIGHTY THREE ONLY) |

Sponsored Research Details

| Financial Year | 2021-22 | 2020-21 | 2019-20 |
|--|--|---|--|
| Total no. of Sponsored Projects | 43 | 24 | 48 |
| Total no. of Funding Agencies | 14 | 11 | 12 |
| Total Amount Received (Amount in Rupees) | 165680107 | 197466103 | 361228799 |
| Amount Received in Words | RUPEES SIXTEEN CRORES FIFTY SIX LAKHS EIGHTY THOUSAND ONE HUNDRED AND SEVEN ONLY | RUPEES NINETEEN CRORES SEVENTY FOUR LAKHS SIXTY SIX THOUSAND ONE HUNDRED AND THREE ONLY | RUPEES THIRTY SIX CRORES TWELVE LAKHS SEVENTY NINE THOUSAND SEVEN HUNDRED AND NINETY NINE ONLY |

Consultancy Project Details

| Financial Year | 2021-22 | 2020-21 | 2019-20 |
|--|---|--|---|
| Total no. of Consultancy Projects | 172 | 18 | 20 |
| Total no. of Client Organizations | 100 | 18 | 24 |
| Total Amount Received (Amount in Rupees) | 55499208 | 34578847 | 64898212 |
| Amount Received in Words | RUPEES FIVE CRORES FIFTY FOUR LAKHS NINETY NINE THOUSAND TWO HUNDRED AND EIGHT ONLY | RUPEES THREE CRORES FORTY FIVE LAKHS SEVENTY EIGHT THOUSAND EIGHT HUNDRED AND FORTY SEVEN ONLY | RUPEES SIX CRORES FORTY EIGHT LAKHS NINETY EIGHT THOUSAND TWO HUNDRED AND TWELVE ONLY |

PCS Facilities: Facilities of Physically Challenged Students

| | |
|---|-------------------------------------|
| 1. Do your institution buildings have Lifts/Ramps? | Yes, more than 80% of the buildings |
| 2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students? | Yes |
| 3. Do your institution buildings have specially designed toilets for handicapped students? | Yes, more than 80% of the buildings |

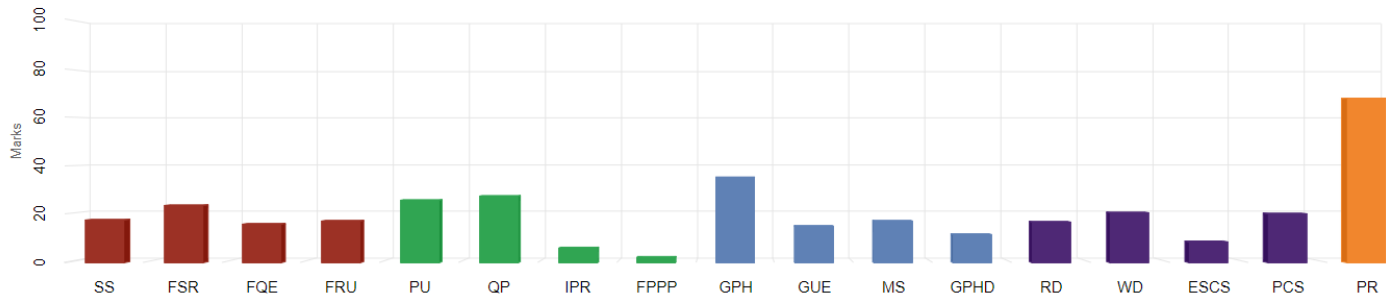
Faculty Details

| | |
|-----------------------------------|-----|
| Number of faculty members entered | 377 |
|-----------------------------------|-----|

NIRF RANKING 2023



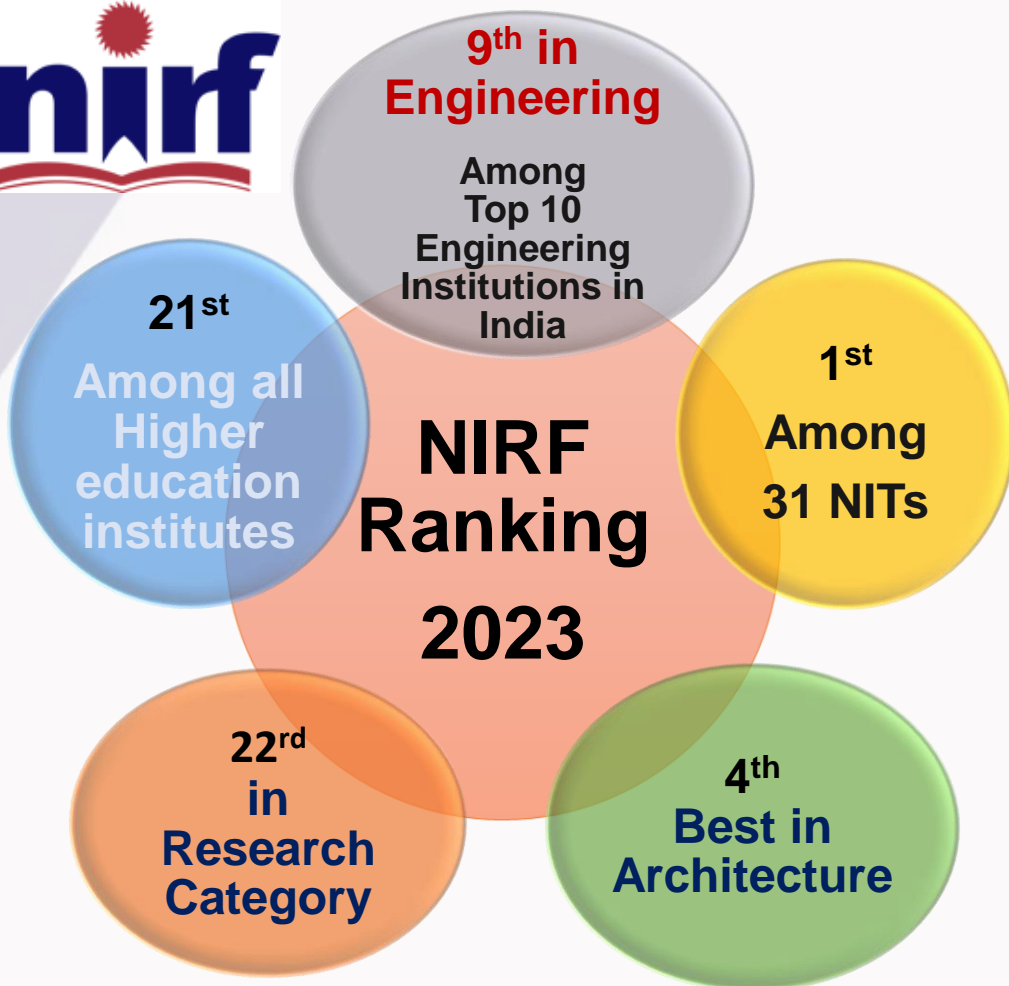
National Institute of Technology Tiruchirappalli (IR-E-U-0467)



| | TLR | | | | RP | | | | GO | | | | OI | | | | PR |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | SS | FSR | FQE | FRU | PU | QP | IPR | FPPP | GPH | GUE | MS | GPHD | RD | WD | ESCS | PCS | PR |
| Score | 17.50 | 23.39 | 15.86 | 16.99 | 25.69 | 27.48 | 6.00 | 2.28 | 35.23 | 15.00 | 17.02 | 11.57 | 16.68 | 20.76 | 8.41 | 20.00 | 67.98 |
| Total | 20.00 | 30.00 | 20.00 | 30.00 | 35.00 | 40.00 | 15.00 | 10.00 | 40.00 | 15.00 | 25.00 | 20.00 | 30.00 | 30.00 | 20.00 | 20.00 | 100.00 |







MEMBERS OF STUDENTS' COUNCIL 2023-24

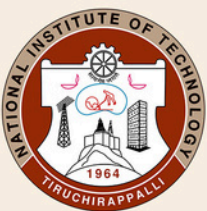
| | |
|------------------------------|---|
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| Additional General Secretary | : Sree Subhiksha S (CE) |
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