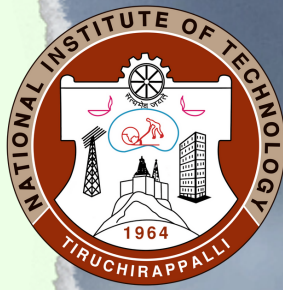


community

The official newsletter of NIT Tiruchirappalli



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SEP - NOV '23

DIRECTOR'S MESSAGE

Warmest greetings to all members of the NIT Trichy family!

In the Diamond Jubilee year of our institute's foundation, we look back to our journey with satisfaction and forward with unwavering determination. Our journey from a Regional Engineering College to the National Institute of Technology has been characterized by a commitment to nurturing young minds and fostering positive social change through education. This significant milestone presents us with the opportunity to celebrate our rich legacy while embracing a dynamic future.

From September 2023 to November 2023, we hosted various academic and non-academic events highlighting our legacy and future aspirations. The academic departments of our institute organized workshops, seminars, symposiums, and conclaves and also collaborated with central and state Ministries and government agencies for knowledge production and exchange. I am happy and proud to acknowledge that it has become a testament to our academic excellence. In collaboration with the Directorate of Census Operations, Tamil Nadu, Ministry of Home Affairs, and GoI, we inaugurated the Census Data Research Workstation on our campus. Our institute was selected by the Department of Telecommunications as one among the 100 Institutions in India for the 5G Use Case Lab and the award was given during the Inaugural session of the Indian Mobile Congress 2023 (IMC 2023) by the Prime Minister of India.



Through the theme of machine learning algorithms for wireless communication, we expect to contribute to digital applications in the agricultural domain. Genesis'23, the flagship event of the Institute Innovation Council of the National Institute of Technology Tiruchirappalli (IIC-NITT), showcased the Institute's commitment to fostering innovation and entrepreneurship among its talented student community.

In the Diamond Jubilee year, we celebrated Teachers Day'23 on our campus by honoring the retired as well as currently serving faculty members. In conjunction with the Diamond Jubilee year celebrations by the NIT Tiruchirappalli Sports Council and RECAL Alumni Association, a marathon, the primary event of the 2023 Sports Fete, was organized with more than 2500 students from all Departments participating. Our six brand-new badminton courts built with international standards were inaugurated on September 21, 2023, by Padma Shri Mr Charles Borromeo, Arjuna Awardee in Athletics (1982 Asian Games record-holder).

The cultural extravaganza of our institute Festember'23 was celebrated from October 5-8th featuring a wide range of clusters aimed at challenging one's prowess in literature, music, dance, arts, and much more. The theme for this year, 'Kyoto Chronicles,' invited participants to embark on a journey through the vibrant tapestry of Japanese culture and traditions, encouraging the audience to immerse themselves in the diverse facets of Japan's rich heritage. A Japanese symposium was also hosted to provide students with an authentic Japanese experience, where students learned various Japanese skills and traditions like block painting and calligraphy.

As we continue with our pursuit of excellence, I appreciate everyone who contributed to the success of the events and achievements in the past months. Let us script a future that is even brighter and more glorious than our illustrious past.

G. AGHILA
DIRECTOR

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PRINT MEDIA

Dr. N. Sivakumaran (Prof./ICE)
Dr. V. Sateeshkumar (Asst.Prof./Prod.)
Dr. P. A. Karthick (Asst.Prof./ICE)

CONTENT CREATION & MEDIA MONITOR

Dr. V. Sathyaraj (Prof./HSS)
Dr. Nisha. V (Asst. Prof./HSS.)
Dr. Venkata Suryanarayana
Mummidi (Asst.Prof./Phy)
Dr. Jyoti Sahu (Asst.Prof./Chem.Eng)
Dr. Padmaja. M (Asst.Prof./HSS)

SOCIAL MEDIA

Dr. M. Brindha (Asso. Prof./CSE)
Dr. Janarthanan B (Asst.Prof./DoMS)
Dr. Saikrishna Mothku (Asst.Prof./CSE)
K. Bhagyasri (Asst.Prof./Arch.)
Dr. Anu Kuriakose (Asst.Prof./HSS)
Dr. C. Oswald (Asst.Prof./CSE)

WEBSITE

Dr. P. Sridevi (Asso. Prof./DoMS)
Dr. Chandramani Chaudhary (Asst.Prof./CSE)
Dr. Malolan Sundaraman (Asst.Prof./DoMS)
Dr. Ghanshyam S. Bopche (Asst.Prof./CA)
Dr. Usha Kiruthika S (Asst.Prof./CSE)

PUBLIC RELATIONS AND MEDIA TEAM

Genesis'23

NIT TIRUCHIRAPPALLI INSTITUTE INNOVATION COUNCIL INSPIRES INNOVATION AND ENTREPRENEURSHIP

Genesis'23, the flagship event of the Institute Innovation Council of National Institute of Technology Tiruchirappalli (IIC-NITT), held on September 20th, 2023, showcased the institute's commitment to fostering innovation and entrepreneurship among its talented student community.

Under the visionary leadership of the Director Dr. G. Aghila, Dean R&C Dr. V. Sankaranarayanan and the President of IIC Dr. K. Muthukumar, the event provided a platform for students to present their innovative startup ideas to a panel of distinguished alumni, who once trod the same hallways. These distinguished guests included Ms. Maragathavalli (CEO of Happifeet), Mr. Karthik Karunakaran (CEO of Mobius Knowledge Services), and Mr. Panumathan Marutham (Social Entrepreneur). The event garnered enthusiastic participation, and Director G. Aghila, rather impressed by the event's outcome, recommended an increase in the frequency of such activities to further nurture the entrepreneurial spirit within the institution. Dean R&C Dr. V. Sankaranarayanan envisioned taking this platform to the next level through an investor meet, aiming to transform pitched ideas into reality. IIC Head Dr. K. Muthukumar unraveled the plans for future events which would be hosted through collaborative efforts with different components of the Institute's Innovation & Entrepreneurship ecosystem, including the incubation cell, entrepreneurship cell and student technical clubs.



Genesis'23 witnessed an array of pitch decks encompassing diverse themes, ranging from healthcare and medical tourism to EdTech, with participation spanning across freshmen undergraduates and PhD scholars. Top six start-up ideas were recognised and awarded cash-prize during the event to inspire students to pursue their entrepreneurial dreams.

One standout moment of Genesis'23 was when esteemed alumni judges shared their personal entrepreneurial journeys. Ms. Maragathavalli spoke passionately about how her involvement in 'Tamizh Mandram' at NIT Trichy during her student days ignited her entrepreneurial calling. This heartfelt testament highlighted the institute's role in shaping not just students' academic careers but also their aspirations and dreams.

Another judge, Mr. Panumathan Marutham, reflecting on his own experiences, candidly expressed regrets about not taking more risks during his time at NIT Trichy. He emphasized that the Institute provided an ideal environment for innovation and experimentation, making it the best place to learn from failure and grow as an entrepreneur. His story served as a powerful reminder of the institute's potential to instill courage and resilience in its students.

With the resounding success of Genesis'23, NIT Trichy reaffirms its unwavering commitment to nurturing the next generation of entrepreneurs and innovators. The event stands as a testament to the Institute's dedication to providing a holistic education that transcends textbooks, while equipping students with the skills, mindset, and network necessary to thrive in the ever-evolving world of entrepreneurship.

Sportsfete

After a spirited and competitive 10-day sports extravaganza, the Annual Inter Department 2023-24 Sports Fete concluded on September 21, 2023. The Department of Civil Engineering emerged victorious as the champions of Sports Festival 2023-24. Padma Shri Mr Charles Borrromeo Arjuna Awardee in Athletics (1982 Asian games record holder) graced the valedictory ceremony as the Chief Guest, extending his congratulations to both the winners and participants of the sports competitions. Dr. G. Aghila, the Director of the Institute, commended the students for their dedication to participating in the events. Dr. R. Karvembu, the Dean of Students Welfare, praised the participants for their sportsmanship and teamwork in his address to the students, highlighting the success of the event. The proceedings commenced with a warm welcome from Dr. A. Solomon Raja, the SAS Officer.

DEPARTMENT OF CIVIL ENGINEERING EMERGES AS CHAMPIONS FOR THE YEAR 2023 - 24



Guest Lecture

AI INSPECTION SYSTEM FOR INDUSTRIAL APPLICATIONS

BY DEPT. OF INSTRUMENTATION AND CONTROL ENGINEERING

Dept of Instrumentation and Control Engineering (ICE) organised a guest lecture on 22 Sep 2023 along with the student's chapter of the International Society of Automation (ISA) .Dr. N Sivakumaran, Professor, Dept of ICE, NITT welcomed the gathering and Ms. Sai Lakshmi, Student coordinator introduced the guests. Dr Dhanalakshmi, HoD, ICE presented an institute memento to Ravishankar,CEO, AUGURAI, Trichy.

Mr. Ravishankar delivered a talk on Understanding the Role of Visual Inspection in Industry 4.0. His address covered various vision system components including Optics, Automation, AI and Robotics. He spoke at length about the need for vision systems and its importance in Industry 4.0. He shared several industry use cases for Visual Inspection with students and interacted with them on their questions.



Workshop

ASSESSING IMPACT OF LAND USE/LAND COVER AND CLIMATE CHANGE ON WATER RESOURCES USING SWAT



The workshop on "Assessing Impact of Land Use/Land Cover and Climate Change on Water Resources using SWAT" from September 25 to September 29 commenced with an inspiring inaugural address by the esteemed Director of the National Institute of Technology, Tiruchirappalli. The director, Madam Dr. G. Aghila, set the tone for the event, emphasizing the critical importance of understanding and addressing the challenges posed by climate change on our water resources.

Following the director's insightful remarks, the workshop unfolded with a series of lectures and tutorials led by distinguished course coordinators. Dr. Sangam Shrestha, a foreign expert, delivered captivating lectures on hydrology, climate change impact assessment, and integrated water resources management. The participants benefited from Dr. Shrestha's wealth of experience, particularly in comprehending the implications of climate change on water resources.

Dr. S. Saravanan, an Indian coordinator, complemented the international perspective by conducting informative sessions on remote sensing, GIS applications, and the impacts of climate change on water resources.

The workshop's curriculum encompassed a comprehensive range of topics, including climate change fundamentals, Climate Change models (RCM & GCM), downscaling techniques, and hands-on training in the application of the Soil Water Assessment Tool (SWAT). Practical sessions covered watershed delineation, SWAT model simulation, and parameter estimation, offering participants a holistic learning experience.

A notable highlight was the emphasis on the practical applicability of the SWAT model in assessing the potential impacts of future climate and land use/land cover changes on water resources. Participants actively engaged in these hands-on sessions, gaining valuable experience in utilizing this powerful modeling tool.

The success of the workshop was further underscored by the positive feedback received from participants, who expressed their appreciation for the well-structured program, hands-on training opportunities, and the chance to interact with renowned experts. The workshop on "Assessing Impact of Land Use/Land Cover and Climate Change on Water Resources using SWAT" not only achieved its objectives but also fostered a collaborative and enriching environment for all involved. The Department of Civil Engineering at the National Institute of Technology, Tiruchirappalli, remains committed to advancing knowledge and promoting excellence in water resource management through such impactful initiatives.

INACON 2023

BUSINESS CONCLAVE OF DOMS

Department of Management Studies, National Institute of Technology, Tiruchirappalli, organized the annual multidisciplinary Business Conclave INACON on 22nd and 23rd of September 2023.



Our Director Madam Dr.G.Aghila presided over the Inaugural function. She highlighted the Sustainable and Green practices followed at NIT Trichy campus. Shri. Sridhar, NE, Chief Sustainability Officer, Titan was the Chief Guest for the inaugural function. He stressed the importance of sustainable business organization.

Head of the department of Management Studies, Dr. G. Muruganantham outlined the importance of the industry and academia connect to students. He also highlighted that DoMS is nurturing managerial excellence for the past 44 years. Faculty coordinator Dr. S. Yamini gave the welcome address and Student coordinator Mr.Viswas soni proposed the vote of thanks.

The conclave witnessed a series of eight Guest lectures for two days. The speakers for the conclave were industry experts across various business domains. INACON 23 helped the students of DoMS to bridge the gap between Industry and Academia and provided a platform to interact with experts and to get an exposure to the corporate world.

One day Program

PERKINELMER ACADEMIA RESEARCH FORUM 2023

NIT Tiruchirappalli hosted a one-day program titled 'PerkinElmer Academia Research Forum' on 27th September 2023 in collaboration with PerkinElmer India. The focus of the event was a Knowledge Conclave on current research trends and relevant solutions within the Research Domain and Equipment Health Inspection, as part of Swacchatha Special Campaign 3.0 and Diamond Jubilee Celebration.

KNOWLEDGE CONCLAVE ON CURRENT RESEARCH TRENDS AND RELEVANT SOLUTIONS WITHIN THE RESEARCH DOMAIN AND EQUIPMENT HEALTH INSPECTION



INSTITUTE

The Director, Dr. G. Aghila, set the tone for the event by speaking about innovatively implementing the Swachhatha initiatives through execution of health inspection analysis of high-end equipment for maintenance and quantification of the degree of depreciation as appropriate. The program was inaugurated by Dean R&C Dr. V. Sankaranarayanan, who emphasized the significance of hosting such Industry-Academia meet for effective utilization of the Institute's resources in addressing research problems on par with eminent Institutions.

In resonance with the event's atmosphere, Dr. Rajesh Bellard, Senior Product Specialist from PerkinElmer, conveyed their commitment to supporting the Institute in the maintenance of the equipment for the benefit of researchers.

Dr. M. Perumalsamy, Nodal Officer of Swachhatha Special Campaign 3.0, emphasized that Swachhatha actions are being implemented on various fronts, including e-waste management and this event strongly aligns with the cause of Swachhatha 3.0.

Dr. M. Umopathy, Chairperson SIF concluded that such collective efforts and interdisciplinary activities would facilitate the development of a vibrant Central Research Facility at NIT Tiruchirappalli.

Dr. M. Premalatha, coordinator of the program, expressed optimism about more such collaborative efforts with industry equipment specialists in the future, which would be a win-win for all stakeholders.

The session included expert talks on different state-of-the-art techniques, including hyphenation technologies, chromatography and spectroscopy tools with applications relevant to the food industry, environment, contaminant & pollutants, pharmaceuticals and forensic sectors. This was followed by the health monitoring of approximately twenty different instruments. This collective effort between NIT Trichy and PerkinElmer enabled towards proper resource utilization of scientific equipment for the benefit of researchers and larger society in the spirit of I-STEM India, an initiative of the Office of Principal Scientific Advisor to the Govt. of India.

Workshop

TOWN OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE (TOLIC) WORKSHOP



हिन्दी कार्यशाला राजभाषा कार्यान्वयन समिति (ओएलआईसी), राष्ट्रीय प्रौद्योगिकी संस्थान, तिरुचिरापल्ली (एनआईटीटी) ने केंद्र सरकार के कार्यालयों में राजभाषा कार्यान्वयन पर कार्यशाला का आयोजन किया। कार्यशाला में नगर राजभाषा कार्यान्वयन समिति (टीओएलआईसी) तिरुचिरापल्ली के 50 से अधिक अधिकारियों के साथ-साथ एनआईटीटी के लगभग 50 अधिकारियों ने भाग लिया।

INSTITUTE

ओएलआईसी-एनआईटीटी के संयोजक ने अधिकारियों का स्वागत किया। कार्यशाला की अध्यक्षता एनआईटीटी के निदेशक डॉ. जी अघिला ने की। अपने अध्यक्षीय भाषण में उन्होंने ओएलआईसी की आवश्यकता पर प्रकाश डाला। डॉ. एन. कुमारेसन, अध्यक्ष, (ओ.एल.आई.सी.)एन.आई.टी. तिरुचिरापल्ली ने इस प्रकार की कार्यशाला की आवश्यकता के बारे में जानकारी प्रदान की जो केंद्र सरकार के कार्यालयों में आधिकारिक भाषा के कार्यान्वयन में मदद करेगी। श्रीमती लक्ष्मी, वरिष्ठ अनुवादक, हिंदी अनुभाग, मंडल रेल प्रबंधक कार्यालय, दक्षिणी रेलवे, तिरुचिरापल्ली ने सत्र को संभाला और केंद्र सरकार के कार्यालयों में राजभाषा के कार्यान्वयन में शामिल प्रक्रिया के बारे में बताया।

ओएफटी, एनआरसीबी, बीएसएनएल, बीएचईएल आदि के अन्य अधिकारियों ने भी कार्यालय कार्यों में राजभाषा कार्यान्वयन के प्रति अपने दृष्टिकोण साझा किए। उसके बाद राष्ट्रगान गाया गया।

अन्य राजभाषा कार्यक्रमों से संबंधित विवरण एवं चित्र

एनआईटी तिरुचिरापल्ली ने 2 अक्टूबर से 11 दिसंबर 2024 तक 75 दिवसीय भारतीय भाषा उत्सव का सफलतापूर्वक आयोजन किया। कार्यक्रम का आयोजन प्रसिद्ध महाकवि सुब्रमण्यम भारती की जयंती मनाने के लिए किया गया था। इस कार्यक्रम में सांस्कृतिक आदान-प्रदान और भाषाई विविधता को बढ़ावा देने, प्रतिष्ठित कवि के जीवन और साहित्य पर प्रकाश डालने वाली गतिविधियों की एक श्रृंखला शामिल थी।



FESTEMBER 2023

THE 4 DAY EXTRAVAGANZA,
HELD FROM OCTOBER 5TH
TO 8TH



The National Institute of Technology, Trichy hosted its annual national-level cultural fest, "Festember." The four-day extravaganza, held from October 5th to October 8th offered a spectacular showcase of art, culture, and talent from across the country. This year's Festember themed "Kyoto Chronicles" carried the attendees into the heart of Japan.

The theme was chosen to celebrate the beauty of imperfections, echoing the Japanese concept of "wabi-sabi." The event included an impressive line-up of activities and experiences, starting with literature events in Hindi, Tamil, English, and Telugu testing the linguistic skills of language enthusiasts. Music lovers participated in events like solo, duet, upbeat, shrutlaya, acoustics, and tarangini, while dancers grooved for the solo, duet, and Choreonite dance battle events. The Gaming Cluster offered exciting challenges at every click and turn.

Meanwhile, Festember also facilitated participation in informative sessions featuring esteemed guest lecturers. These sessions featured a discussion with the dynamic duo Aadhi and Jeeva of Hip Hop Tamizha about their rise to fame, a glimpse into the melodious world of playback singer Madhushree, and a journey of wisdom with Divine Miss Earth India 2019, Tejaswini Manogna. In his talk, Anil Srinivasan addressed the fusion of classical and contemporary music, and Gaurav Juyal shared insights on pursuing a passion in entertainment.

The main highlight of Festember 2023 was its sensational musical shows, with three unforgettable nights of music featuring Thaikkudam Bridge's electrifying beats, Julia Bliss DJ's rhythms on the dance floor, and the soulful vocals of Neeti Mohan, one of India's most beloved playback singers.

Inauguration

THE CENSUS DATA RESEARCH WORKSTATION AT NIT, TIRUCHIRAPPALLI



The National Institute of Technology, Tiruchirappalli, in collaboration with the Directorate of Census Operations, Tamil Nadu, Ministry of Home Affairs, GoI, is proud to announce the successful inauguration of the much-anticipated Census Data Research Workstation on 13/10/23. The event was a resounding success, witnessing the gathering of renowned academicians, researchers, and dignitaries from NIT Tiruchirappalli along with esteemed invited academicians and students from various universities and institutes.

The event commenced with a warming welcome address by Dr. P. Sridevi, the Nodal Officer for the Census Data Research Workstation. Her speech underlined the significance of the workstation and its potential contribution to academic and research endeavours.

Dr. G. Aghila, the Director of NIT, Tiruchirappalli, reinforced the institute's commitment to research excellence and expressed gratitude to everyone involved in bringing the vision of the workstation to fruition.

Shri. Sanjeev Kumar, I.S.S., Additional Registrar General, ORGI, New Delhi graced the event with his esteemed presence and shared valuable insights into data-driven policies. His words resonated with the audience, emphasizing the workstation's pivotal role in shaping future research.

Shri. Sajjansingh R. Chavan, I.A.S., Director, Directorate of Census Operations, Tamil Nadu, delivered an enlightening keynote address, shedding light on harnessing the power of census data and the possibilities it opens up for in-depth research.



Dr. Vasavi Bhatt from the Indian Institute of Management, Tiruchirappalli, earmarked the session with the scope of research using Census of India datasets and its real-time implications. In her brief talk, she engaged the audience working with data visualization tools and discussed the district level patterns in employment growth, population growth, migration, mother tongue and village sizes.

Dr. V. Sankaranarayanan, Dean (Research & Consultancy) at NIT, Tiruchirappalli, concluded the inaugural with a vote of thanks and emphasized on the realisation of the census data in engineering applications too.

The Census Data Research Workstation promises to be a hub of innovative research, offering unparalleled access to anonymized micro-data from the census, aiming to drive policy-making, understand socio-economic dynamics, and shape India's future.

Census Data Research workstation facility established aims to cater to the needs of the research community across the region. For further details to access the census data, kindly refer to the official website of the National Institute of Technology, Tiruchirappalli.

Symposium

ARCHCULT'23



ARCHCULT is a national-level architecture symposium hosted annually by the Department of Architecture, NIT Trichy. It is a gala of knowledge and excitement for students in the architecture community, providing a platform for interaction and connectivity, bridging the gap between students and professionals in the field. ARCHCULT returned with a bang for its 2023 season, commencing spectacularly with delegates attending from over 15 colleges across South India and was held between October 13 and 15.

The inauguration ceremony took place on October 13, 2023, with the Director of NIT Trichy, Dr. G. Aghila, the Head of the Department, Dr. K Thirumaaran, chief guests Ar. Murali Murugan and Ar. Venkata Lakshmi, and the Faculty Advisor, Prof. Amalan Kaushik, in attendance. They addressed the students, faculty, and industry experts present at the ceremony. The director motivated and inspired all student delegates to excel in their future endeavours.

This year's ARCHCULT theme, Quantum verse, depicts an alternate universe with infinite possibilities where everything imaginable and unimaginable can occur. Mr. Vinu Raja, the President of Arch cult, elaborated on this theme, emphasizing the theme's limitless possibilities.



To embody this theme, dynamic art installations and abstract wall artworks were created, symbolizing our immersion in a world filled with seemingly endless opportunities. These artworks intrigued and captivated the delegates, arousing their curiosity.

Chief guests Ar. Murali Murugan and Ar. Venkata Lakshmi delivered insightful and interactive lectures on landscape and residential architecture, sharing their projects and experiences amassed over their years of expertise. The event's first day featured numerous workshops on pottery, bamboo construction, and architectural writing, with delegates participating with utmost enthusiasm.

On the second day, guest lectures by Ar. Arun Prasad Prakashan and Ar. Bharath Ramamrutham delved into the futuristic lifestyle of architects amidst technological advancements and the evolving architectural landscape, complemented by the photographic vision of an architect's eye. The day continued with an engaging workshop, capturing attendees' interest with sessions on dynamic architecture, beginner-level training in Revit, and the sheer delight of watercolour artistry. Delegates exhibited tremendous enthusiasm throughout the day's sessions.

The final day of the symposium commenced with insightful guest lectures by Ar. Senthil Kumar and Ar. Kosalraman CJ, resembling more of a dialogue emphasizing the notion of 'in the flow.' This was followed by mentorship aimed at guiding the next generation of architects toward their future paths. The day was filled with engaging activities, including a full-day hands-on brick construction workshop and dynamic architecture sessions in the afternoon, interspersed with a lively and enjoyable salsa workshop (conducted by our NITT Dance Troupe).

The formal events assessing delegates' skills and the informal engagements captivating students throughout the symposium received an overwhelmingly positive response from the attendees. Prior to the event, six online sessions were conducted over one and a half months, allowing participants ample time to understand the requirements, submit their work, and prepare for the jury evaluation.

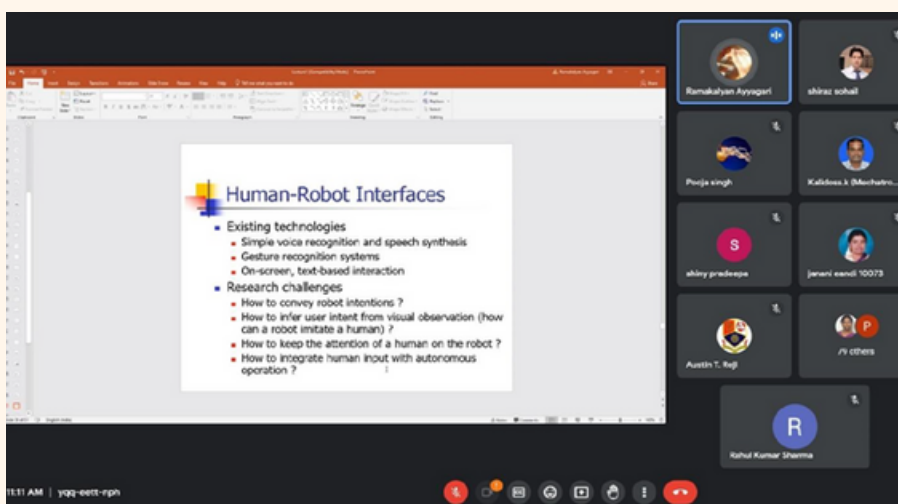
The symposium evenings were a dynamic blend of entertainment and engagement, featuring musical nights, the captivating Mr. and Ms. Archcult competition, elegant Ballroom performances, departmental batch showcases, and dazzling displays by NIT Trichy's music and dance troupe.

Additionally, interactive and enjoyable activities like doodling, treasure hunts, photography sessions, face painting, meme creation, quiz competitions, and miniature cutting and sculpting exercises were organized. These activities were designed to encourage delegates to explore their latent talents, incorporating subtle architectural references to inspire creativity.

The symposium culminated with a Valediction ceremony, acknowledging and honouring the guests, faculty, non-teaching staff, and delegates for their active participation and dedication of their valuable time to the three-day annual symposium hosted by NIT Trichy.

Workshop

RECENT ADVANCES IN CONTROL AND INSTRUMENTATION DESIGN TECHNIQUES OF ROBOTIC SYSTEMS



This 5-Day Workshop represents a significant opportunity to explore the fascinating world of Robotics, a field that continues to reshape our future in profound ways. Robotics has come a long way from being a subject of science fiction to becoming an integral part of our society. Robotics plays a pivot role in automating tasks, improving efficiency, and expanding our capabilities.

This workshop has been carefully designed to bring together experts, faculty, researchers, and students from various backgrounds to share their knowledge, insights, and experiences. This workshop aims to develop a deep interest in the recent advances in Control and Instrumentation aspects which are shaping the future of Robotics Systems.

This workshop provides the opportunity to learn with academic and industry experts who have made significant contributions to this field. They highlight the latest trends and breakthroughs to provide valuable perspectives on the challenges and opportunities that lie ahead.

At the beginning of the workshop, a welcome address is delivered by the Head of the Department, Dr. K. Dhanalakshmi. The 5 days workshop was conducted in various sessions handled by the subject experts. Sincere gratitude goes to Dr. G. Aghila, the Director, National Institute of Technology Tiruchirappalli for providing the required support to organize this workshop. Her timely approval at each step of the events has made this workshop a reality. The eminent speakers are appreciated for agreeing to share their knowledge to the participants of the workshop. The required support provided by the organizing committee members for various aspects of the workshop has resulted in its smooth conductance throughout. The coordinators are thankful to all the persons involved in the workshop.

The field of robotics is vast and diverse. The workshop has planted the seed of creativity which is ever-evolving. It has been a good learning experience for all.

Grand Launch

5G USE CASE LAB



The National Institute of Technology, Tiruchirappalli, is one of the 100 institutions selected in India for the 5G Use Case Lab award, presented by the Department of Telecommunications. The aim of the 5G Use Case Lab is to prepare Indian academia and the startup ecosystem for 6G technology. The use case theme of the institute is "Machine Learning Algorithms for wireless communication applications in the agriculture domain."

The award ceremony took place during the inaugural session of the Indian Mobile Congress 2023 (IMC 2023) in the presence of key figures, including the Director of NIT T, Prof. G. Aghila, Prof. P. Palanisamy (ECE HOD In-charge), Dr. V. Sankara Narayanan (Dean, R & C), and Dr. Hemant Kumar (Co-PI of the project). The award was presented by the Honorable Prime Minister of India, Shri Narendra Modi Ji, through virtual mode.



Dr. E.S. Gopi, the Principal Investigator of the project, highlighted that the 5G Use Case Lab at NIT Tiruchirappalli, valued at approximately Rs. 1 crore, will play a pivotal role in generating research outcomes related to digital applications in the agriculture domain. As part of the grand launch, Dr. P. Maheswaran (Co-PI of the project) and Dr. P. Sudharsan (Co-PI of the project) participated physically in IMC 2023 held in New Delhi.

Projects

- Dr. R. Prakash, Department of Mechanical Engineering, has been granted Rs.1,718,550 by the DRDO-AR & DB agency for a 2-year period to conduct the project titled: Low Impact Damage Detection in Composite Plate using Modal Data and Shearlet Analysis.
- Dr. K. Muthukkumaran, Department of Civil Engineering, has been granted Rs.3,573,900 by the SERB agency for a 3-year period to conduct the project titled: Innovative and Environment Friendly Ground Improvement Technique for Mitigate Seismic Soil Liquefaction Risk.
- Dr. Mani Pujitha Illa, Department of Metallurgical and Materials Engineering, has been granted Rs.3,168,600 by the SERB agency for a 2-year period to conduct the project titled: Fabrication of NASICON-structured Flexible Nanofibrous Electrolyte Sheets for All-Solid-State Sodium-Ion Batteries.
- Dr. Deepak Deelip Patil, Department of Production Engineering has been granted Rs.7,362,400 by the STARS agency for a 3-year period to conduct the project titled: Micro-nano structured urinary catheters to minimize catheter-associated urinary tract infections (CAUTI).
- Dr. Duraiselvam, Department of Production Engineering has been granted Rs.4,587,668 by the DST agency for a 2-year period to conduct the project titled: Improvement of thermo-mechanical properties of aero-turbine blades through 3D printed auxetic structures.

- Dr. Arivazhagan C, Department of Chemistry, has been granted Rs.3,300,000 by the SERB agency for a 2-year period to conduct the project titled: Chiral Donor/Acceptor Decorated Multi-Resonance Thermally Activated Delayed Fluorescence Emitters for Highly Efficient Narrowband Circularly Polarized Luminescence.
- Dr. J. Kirubakaran, Department of Management Studies, has been granted Rs.485,328.67 for the project under Ministry of Skill Development and Entrepreneurship (Pradhan Mantri Kaushal Vikas Yojna (PMKVY 4.0) - SKILLHUB

Consultancy

- Dr. Greegar George, Assistant Professor, Department of Civil engineering, received Rs.278,775 as charges towards consultancy services for various establishments.
- Dr. R. Raghavan, Assistant Professor, Department of Civil Engineering, received a sum of Rs.80,240 as charges for his consultancy works.
- Dr. N. Siva Shanmugam, Associate Professor, Department of Mechanical Engineering, received Rs. 16,900 as charges towards consultancy services.
- Dr. R. Senthil Kumar, Assistant Professor, Department of Civil engineering, received Rs. 1,708,011 as charges towards consultancy services for various establishments.
- Dr. K. Thirumaran, Professor, Department of Architecture received a sum of Rs.59000 as charges for his consultancy works.
- Dr. V. Sunitha, Associate Professor, Department of Civil Engineering, received Rs.292,136 as consultancy service charges for various establishments.
- Dr. M. Premalatha, Professor, Department of Energy and Environment, received Rs.21240 as consultancy service charges.
- Dr. D. Deendayal, Associate Professor, Department of Civil Engineering, received a sum of Rs.318600 as charges towards consultancy services for various establishments.
- Dr. M Bhaskar, Professor, Department of Electronics and Communication Engineering, received Rs.1180 as charges for his consultancy services.
- Dr. J. Sevugan Rajkannu, Assistant Professor, Department of Civil Engineering, received Rs.54,870, as charges for his consultancy services for various establishments.
- Dr. Jeevan Joseph, Assistant Professor, Department of Civil Engineering, received Rs.171,100 as charges towards consultancy services for various establishments.
- Dr. S.P. Kumaresh Babu, Associate Professor, Department of Metallurgical and Materials Engineering, received Rs.5000 as consultancy services charges.
- Dr. K. Muthukkumaran, Professor, Department of Civil Engineering, received Rs.2,847,340, as charges for his consultancy services for various establishments.
- Dr. Mashudha Sulthana, Assistant Professor, Department of Civil Engineering, received Rs.1,006,000 as consultancy charges.
- Dr. V. Sankarnarayanan, Professor, Department of Electrical and Electronics Engineering, received Rs.50,000 as charges towards his consultancy services.
- Dr. R. Prakash, Assistant Professor, Department of Mechanical Engineering, received Rs.39825 as charges for his consultancy services.

Lab charges

- Dr. S. Velmathi, Department of Chemistry, received a sum of Rs.2680 as lab charges for the NMR Spectrometer.
- Dr. V. M. Biju, Department of Chemistry, received a sum of Rs.2700 as lab charges for the Fluoromax-4CP Luminescence Spectrometer.
- Dr. M. Premalatha, CEESAT, received a sum of Rs.14,100 as analytical service charges.
- Dr. R. Anand, Department of Mechanical Engineering, received a sum of Rs.11, 258 as lab charges for the Fuel Analysis.
- Dr. R. Karvembu, Department of Chemistry, received a sum of Rs.3390 as lab charges for Organometallics and Catalysis Laboratory.
- Dr. Ganesh Chandra Nandi, Department of Chemistry, received a sum of Rs. 35,690 as lab charges for HRMS Analysis

MoU Signing

WITH ILLINOIS INSTITUTE OF TECHNOLOGY

NITT has signed an agreement with Illinois Institute of Technology (Illinois Tech) to forge a significant partnership setting up a new standard in global education, focusing on student exchange, joint research, and an innovative Engineering-focused joint degree in Data Science and AI uniquely tailored for lifelong learners. These efforts underscore the commitment of both institutions to foster an environment of innovation and academic excellence.

As the world of education evolves into a more interconnected and dynamic sphere, the partnership between NITT and Illinois Tech stands as a model of international collaboration, bridging gaps and building a robust educational ecosystem.



Scholarship

ALUMNI SCHOLARSHIP DISTRIBUTION CEREMONY



Alumni Scholarships for the year 2022-23 have been distributed on Nov.20th. These scholarships are being offered on a merit-cum-means basis from the various batches of alumni, student. These scholarships are being offered to the students of NITT, across branches after a rigorous selection process done by a team comprising of alumni and office-bearers of the

Alumni Foundation, RECAL. The scholarships have been annually distributed since 2013. 137 students were the beneficiaries this year.

SPIC MACAY

SPIC MACAY at NIT Trichy curated a cultural extravaganza featuring two distinguished events. The first showcased the elegance and grace of Kuchipudi dance by the esteemed Vidushi Vyjayanthi Kashi, a luminary in this classical art form.



Her mastery, along with her talented troupe, enthralled the audience with a seamless blend of traditional pieces, captivating storytelling, and impeccable performances. This event not only celebrated Kuchipudi's richness but also highlighted SPIC MACAY's role in connecting youth with India's cultural heritage.

The second event was the ancient art form of Tholpavakoothu, led by the revered artist Sri Ramachandra Pulavar. This mesmerizing performance transported attendees into the heart of Kerala's artistic legacy through the manipulation of intricately designed shadow puppets, narrating captivating tales.

Sri Ramachandra Pulavar's expertise and his awards underscored his dedication, while the audience's active engagement emphasized the cultural exchange facilitated by SPIC MACAY.

Both events, backed by SPIC MACAY NIT Trichy's impeccable organization, not only celebrated the artistry and legacy of Kuchipudi and Tholpavakoothu but also left a profound impact on the audience, instilling a deeper appreciation for India's classical arts. These cultural showcases were a testament to the richness and timelessness of Indian heritage, promising a continued journey of enlightenment through similar cultural initiatives in the future.

TOASTMASTERS

The Toastmasters International NIT Trichy Chapter hosts weekly meetings aimed at improving public speaking skills and overcoming stage fear. These gatherings feature a Toastmaster of the Day (TMOD) hosting the session, prepared speeches according to set pathways, and a Table Topics Session for impromptu speaking practice. Evaluation is conducted by the General Evaluator and the TAGL team. In the event, "Unscripted Sagas," freshers formed teams to weave imaginative tales, testing their impromptu skills. The Area Director from Area H5 visited, lauding the club's performance, emphasizing the use of newly introduced words, and actively engaging in sessions.

Club-level Humorous Speech and Evaluation Contests showcased talent, with TM Arshad winning the Humorous Speech contest and TM Prithika excelling in Evaluation. Subsequently, at the Area Level, TM Prithika won the Evaluation Contest, and TM Arshad emerged as the runner-up in the Humorous Speech contest, progressing to the Division level.

Educational sessions by TM Sonal Shailendra and TM Sundareshan offered valuable insights into speechcraft and life lessons, encouraging continuous progress and learning. These sessions, open to all, were engaging and informative for both members and guests, contributing to the club's educational journey.



DANCE TROUPE

The Dance Troupe (DT) at NIT Trichy had a vibrant series of performances and engagements recently:

1. Festember's Choreonite Host Performance: DT served as the host performance at Festember's Choreonite, delivering captivating routines. Western and Eastern styles showcased routines of 6 and 12 minutes, respectively, on the event's second day.

2. Performance at Archcult: As a tradition, DT performed at Archcult, the Architecture department's annual symposium. Their performance included a blend of eastern and western routines alongside solo performances, for an engaging 30 minutes.

3. Salsa Workshop for Archcult: In addition to technical workshops, DT conducted a Salsa workshop at Archcult, teaching choreography to participants from NIT T and other colleges. They organized two 3-hour sessions, each accommodating 50-60 enthusiastic learners.

4. Instagram Reels: DT showcased their talent through social media, posting two reels on the official Instagram page. One reel was a collaboration, garnering impressive views, reaching 16.7k and 19.8k, respectively, showcasing their popularity.



LAKSHYA

Social Media Celebrations: LAKSHYA actively engaged in commemorating key events on social media. The post celebrating Mahatma Gandhi's 154th Birth Anniversary for International Day of Non-Violence received over 93 likes and significant reshares. Similarly, posts for Indian Air Force Day and Dr. APJ Abdul Kalam's 92nd Birth Anniversary garnered positive responses with 111 likes.

Breast Cancer Awareness Campaign: LAKSHYA initiated a comprehensive Breast Cancer Awareness campaign, unveiling a nine-part series on Instagram and WhatsApp. The series delved into crucial topics such as statistics, risk factors, myths, lifestyle, self-exams, emotional aspects, advancements in treatment, and more. The campaign fostered meaningful discussions, reaching the college community and beyond. An associated Google form allowed students to submit questions for expert clarification.

Breast Cancer Awareness Walk: LAKSHYA hosted a successful Breast Cancer Awareness Walk on October 31st, drawing over 90 participants. The event featured educational booths and motivational sources, resulting in heightened awareness and a sense of responsibility. The initiative served as a successful model for health-focused activities within an academic setting.

Panel Discussion and Guest Lecture: A Panel Discussion on Breast Cancer, featuring survivors, attracted over 200 participants, offering motivation, inspiration, and empowerment. Additionally, a Guest Lecture by a distinguished Medical Oncologist drew an audience of over 200, facilitating knowledge acquisition and engagement. Google forms were introduced to address student queries and leverage survivor insights.

Free Thermogram Tests: As part of the Health Awareness Drive at NIT Trichy, LAKSHYA facilitated Free Thermogram Tests on November 4th and 5th. Over 200 participants availed of this opportunity for health screening, promoting well-being within the campus.

6.NCC Day Celebration: A social media post celebrating NCC Day's 75th Anniversary received a great response with 123 likes and a significant number of reshares, showcasing LAKSHYA's continued engagement in commemorating national events.



BALLS BY PICASSO

During Festember'23, Picasso Club conducted 11 events spanning writing, speaking, and quizzing, engaging 1500+ participants from 20+ colleges. Events like English Debate, India Quiz, and Cryptic Crossword offered a platform for varied skills.

Weekly Events included themed sessions like The Great Indian Potpourri and Linguist Quiz, attracting around 25-30 participants each. These events incorporated mixed English lit questions and focused on language-based quizzes. Events like Scrabble & JAM, Debate & Extempore, and a Vocabulary Event emphasized spontaneity and language skills, engaging around 20-40 students in each session. These activities honed students' speaking abilities and vocabulary prowess.

Picasso Club excelled outside the campus too, sending teams to external events like JIPMER Spandan'23 and CIT'23. Their participation led to remarkable achievements, with teams securing prizes amidst strong competition.



MUSIC TROUPE

The Music Troup of NIT T welcomed new juniors with a diverse medley of songs, fostering a sense of belonging within the NIT T community. To enhance virtual engagement, the troupe established a dedicated team comprising videographers, designers, and content creators, ensuring an engaging online presence. MT delivered heartfelt performances at Truwdes Old Age Home during HumaNITTy week, making the residents rejuvenating.

At the Architecture department's event, MT presented a captivating set blending various languages, leaving a lasting impression on the diverse audience. Enthusiastic new musicians were welcomed after a thorough screening process. Their active participation in in-campus performances showcased their talent, setting the stage for future competitions. The last semester of 2023 concluded with an open-mic night, providing a platform for students to display their hidden talents.

Many peers and juniors seized this opportunity, contributing to a vibrant evening of music and joy.



AMRUTHAVARSHINI

Across the odd semester of 2023, NIT Trichy's Amruthavarshini Music Club orchestrated a harmonious series of events and initiatives. Their musical journey commenced with the lively performance of Jagadhaanandhakaarakaa during the NIT T Orientation for new students. Collaborating with SPICMACAY, they hosted insightful interviews with Carnatic music stalwarts, reminiscing about their musical journeys. Temple concerts on Janmashtami and Ganesh Chaturthi resonated with diverse melodies, fostering a musical connection among students, faculty, and temple-goers.

The guest performance at the Ganesh Chaturthi showcased the alliance between Carnatic music and Harikatha, beautifully presented in a blend of Tamil and English. Additionally, the club organized quiz contests, a Carnatic heritage tour to Thanjavur, and a workshop series introducing the fundamentals of Carnatic music. Collaborating with the Tamil Mandram, they presented an Instagram series exploring the beauty of Thirumurai hymns. Moreover, they conducted teaching sessions on classical compositions, including the famous Pancharathnam set, alongside Mridangam jamming sessions and a vibrant WhatsApp community for music enthusiasts.

Their dedication to spreading musical awareness and appreciation shone through their diverse range of engaging activities.



LITERARY CONVENTION: LEXICON '23

The English Guild of the Humanities and Social Sciences department hosted its first-ever Literary Convention “LexiCon” from September 4th to September 8th 2023. LexiCon'23 was a week-long literary convention with various new and different activities. This event was organised to inculcate an interest in language and literature among the students of NIT-Tiruchirappalli. It provided a forum for creative enthusiasts from diverse disciplinary backgrounds to come together and discover the pleasures and challenges offered by literature.



The inaugural talk by Dr. K Srilatha on “Writing from Where and Who You Are and Reading from an Oppositional Place: Poems Based on the Mahabharatha,” was attended by the professors and students from various departments of the institute. After the inaugural talk, students participated in the Literary Quiz which had a participation of 20 students. On the second day, thought-provoking matters were argued upon in the Debate competition which saw an eager participation of 6 teams.

The workshop on Storytelling by Dr. Vinod Balakrishnan which happened on the third day of the convention had an overwhelming number of attendees. The highlight of the convention was the Cosplay event where students came dressed as famous characters. Participants also performed a character sketch depicting different personalities of the fictional world. The final day of LexiCon'23 ended with Game Night which saw a massive participation of around 50 students and scholars from different departments of NITT.

Apart from the offline events, LexiCon'23 also had online events like Micro-fiction, Poetry Writing and Meme Making competitions. The prize distribution ceremony happened on the last day of the literary convention where winners received certificates and awards from Dr. Nisha Viswanathan, faculty advisor of the English Guild. LexiCon'23 turned out to be a huge success, thanks to the great excitement shown by the participants, audience and the combined efforts of the English Guild, II M.A. students, and HSS department.

TECHNICAL COUNCIL

The Technical Council organized the Smart India Hackathon on 17th, 19th, and 20th September to select 35 teams (5 waitlist) representing NIT Trichy in the National Level hackathon.

They hosted a Townhall along with the Social, Cultural, and Students' Council, where all the clubs presented their budgets for the events planned in this academic year. They also published the technical term report, summarizing all the activities undertaken by technical clubs for the academic year 2022-2023 in September 2023. In collaboration with CryptoNITT, Technical Council conducted a workshop on “An Introduction to Web 3.0” by Crewsphere.

Transfinite'23, the flagship internal hackathon of NIT Trichy, was successfully conducted with over 300 ignited minds spread across 50+ teams engaging in a thrilling 42-hour battle of wit, leaving behind a legacy of creative brilliance, unparalleled teamwork, and a shared commitment to transforming ideas into reality. This edition of Transfinite served as a platform for fostering meaningful partnerships, driving transformative change, and celebrating the enhancement that unfolds when brilliant minds come together. Technical Council also facilitated workshop on “ChatGpt and Rag” which saw a participation of more than 100+ students mostly first and second years.

In collaboration with Pragyan, Technical Council helped to facilitate events and workshops. More than 500 first-year students participated in the events, which provided an excellent opportunity for all of them to showcase their skills.



THIRD DIMENSION AEROMODELLING CLUB

1. AeroInvent:

AeroInvent is an intra-club challenge conducted to strengthen the foundational skills of the incoming inductees. The task is to design an RC Aircraft from scratch, aligning the constraints of the problem statement developed. Inductees are organised into three teams and operate within a timeline spanning from September to November, covering brainstorming, conceptual design, and analysis, culminating in presentations and hands-on fabrication sessions. This was concluded with a piloting session and thorough testing of the fabricated models. This comprehensive event strengthens their grasp of key technical aspects, improves teamwork and fabrication skills and prepares them for upcoming competitions and real-world challenges.



2. Eyantra Robotics Competition:

The club actively participated in the annual eYantra Robotics Competition hosted by Indian Institute of Technology Bombay (IIT Bombay). This prestigious competition offers a unique blend of rigorous challenges and hands-on learning, propelling participants into the realm of cutting-edge robotics and its real-world applications. This year, the club deployed two highly skilled teams of eight members each to tackle two distinct themes: the Holographic Bot and the GeoGuide.

Both themes presented stimulating technical challenges, demanding expertise in areas such as motion control, computer vision, and autonomous navigation. Through months of dedicated effort, both teams successfully navigated the elimination round to secure their coveted hardware kits. As of December, one team has already progressed to Task 4 of the Holographic Bot challenge, demonstrating exceptional progress and technical prowess.

3. Conscientia - IIST Model Rocketry Workshop

A team from the club participated in a Rocketry workshop conducted during the technical fest of the Indian Institute of Space Science and Technology, Thiruvananthapuram, Conscientia 2023. It was a two-day offline workshop from 23rd September 2023 to 25th September 2023. On the first day, our team, comprising three third years, learned the basics of model rockets and their driving principles. On the second day, they got hands-on experience in miniature astronautics. They built a model rocket using the materials provided to them in the workshop. This model rocketry workshop is a small step towards enhancing our knowledge and further developing the rocketry domain of our club.

4. SAE Aerothon '23

A team from the club actively participated in the Aerothon 2023 drone development competition organised by SAE India, hosted at SJGIT, Chikkaballapur, Karnataka. The competition entailed months of dedicated effort and broadened our understanding of drone manufacturing. Representing our club, a team of ten 3rd-year students competed and secured the second position nationwide in the Design phase. Throughout September and October, our team built our unique drone design from scratch. We utilised our college's NVH lab to create Carbon-fibre composite structures for the drone and hardware tools from the SCIENT lab during fabrication.

Subsequently, we conducted successful tests of our drone within our college premises and then participated in the competition.

5. Egg Drop Challenge - InHotts '23:

In collaboration with Pragyan, the club organised an intellectually stimulating online event, the 'Egg Drop Challenge,' as part of InHotts 2023. Tailored exclusively for the first-year students of NIT Trichy, this event took place on November 25th. Participants were given the intriguing task of conceptualising and demonstrating a payload bay designed to protect an egg from breaking upon impact. The challenge provided an engaging platform for the students to apply theoretical knowledge in a practical setting. The winners were bestowed with a cash prize worth one thousand and five hundred rupees, adding a tangible reward to their innovative achievements.

6. ICAMAE Conference:

The SAE Aerothon 2023 team has submitted and presented a research paper titled "Autonomous Multi-Rotor UAVs: A Holistic Approach to Design, Optimization, and Fabrication" virtually at the First International Conference on Mechanical and Aerospace Engineering (ICAMAE 2023) jointly conducted by Alliance University, India and University of Strathclyde, United Kingdom on 28th November 2023. The team has proposed a structured methodology for the design and Fabrication of Multi-Rotor UAVs and has successfully validated the same by designing, fabricating and testing a quadcopter by incorporating the proposed methodology. Various aspects, including the conceptual design of the frame and the payload mechanism, the use of composite materials like Carbon-Fibre Reinforced Polymer (CFRP) and Carbon-Fibre Balsa sandwiched composites, advanced fabrication techniques such as additive manufacturing and vacuum bagging, selection of electronic subsystem hardware, design of the autonomous system and fabrication have been covered. The article was submitted to the Aerospace track and has been published in the conference proceedings.

ENTREPRENEURSHIP CELL

In September the cell started its career spotlight series wherein alumni from different career domains share their experience and how to get started in them. The cell conducted a session for SDE with 90+ participants.

In October, the cell conducted a session for student entrepreneurs of NITT with Mr. Mehul Nath Jindal, founder of BharatX on the 5th of October. Nearly 5 student startups happen to interact with him and resolve their queries.



The cell conducted a session for product management as a part of the Career Spotlight Series on the 28th of October by Ms. Shivani Chander (batch of 2023) who's a PM at Microsoft. Over 50 participants attended this particular event.

The cell also conducted an internal team session on how to get started with hackathons. It was taken by Mr. Indresh from the batch of 2023.

The cell started the November month with Consult Kickoff - an introduction to consulting by Karthika G Kumar, batch of 2022. The session was attended by over 40 participants.

E-Cell has been also working actively on the Startup Internship Portal. For outreach purposes, it conducted two hands-on workshops. One on how to make your LinkedIn profile better and another one on resume-building. These were attended by more than 50 students and we conducted this in Orion.

E-Cell also conducted a 0 to 1 startup workshop, a 2-day hands-on interactive workshop on building a product out of your idea followed by Startup Shipwreck, an informal event for Inhotts'23-24.

GRAPHIQUE

Project Kaleidoscope, an introductory project for the new inductees for their personal skill development and to understand design work culture was held at Graphique.

The club also conducted UX research, analyzed results and redesigned the MISREG portal. It successfully developed and published a UX/UI Research Case Study on Behance on the same. For Festember 23, the club handled the designing of the Official Website, Festember T-Shirts, Logo, Theme reveal, DTG's, Banners, Backdrops, and much more.

The club conducted a 3-day workshop, Graphic by Graphique in collaboration with Aaveg exclusively for first years with extensive sessions on working with Adobe Photoshop and Adobe Illustrator along with exciting activities. It also successfully designed and finished 31 days' prompts of the Inktober 2023 challenge that fostered the skill development of the club members.

The club designed the official website of Pragyan'23 with the theme "Chronocle." Also delivered the posters, marketing brochures, videos, and other design requirements for Pragyan.

In November the club conducted a 3 hour workshop and a 24 hour designathon in collaboration with TC and Pragyan for InHoTTs, exclusively for first years. It included teaching and mentoring the participants with skills required for branding design. The participants submitted their Pitch Decks based on which they were evaluated.

180 DEGREES CONSULTING

Case Interviews - UNLOCKED (InHoTTs):

The club organized a workshop offering explanations on various types of cases like market entry and profitability. The workshop covered frameworks including 3Cs, PESTLE, etc.

After these sessions, members from the organizing team conducted a mock case interview. The case interviews were similar to the recruitment process of consulting and analytics companies. After the mock case interviews were done, the team briefed the attendees on case competitions.

ConsultQuest (InHoTTs):

The event was a treasure hunt structured around the theme of Management Consulting. The venue was organized with various stations, each presenting a unique problem statement related to consulting. Each problem statement was crafted to simulate real-world consulting challenges and required strategic thinking and problem-solving skills. The problems were categorized based on their difficulty levels: easy, medium, and hard.

Points were allocated to each problem according to its difficulty, with harder questions offering more points. There was an abundance of easier questions, while harder questions were fewer but more rewarding. Participants had the flexibility to approach the questions in any order they preferred. The event was designed to be engaging yet simple, ensuring an enriching experience for all participants.

STUDENT EVENTS

Projects:

The club worked on 3 projects for this project cycle:

Raptee, which involved building a brand that resonates with the Indian youth of today and premiumizing the customer experience throughout CJM.

Galaxeye: with the aim to 1. divide the agriculture and aquaculture sector into segments (like crop type, aquaculture series, region and company size) and procure data from various sources, including industry reports, market databases, trade associations, and social media, 2. to Identify potential clients who align with GalaxEye's value proposition, specifically companies that have a clear need for geospatial analytics to improve their operations, productivity, or sustainability,

and 3. to Craft a compelling value proposition that addresses the specific needs of each potential client (such as how GalaxEye can help them optimize crop yield, monitor water quality, manage resources) and monitor conversion success metrics for the Process

Perfios: involved formulating a GTM strategy for Perfios to enter into the Kingdom of Saudi Arabia and identifying gaps in the market and list the Product suite that will fit in the market

BUILDER'S HIVE

1) Intern Talk

Builders' Hive conducted an intern talk on 16th September, for all students of the campus. The event aimed to educate the junior students about insights into internships, various opportunities available and the application process. The 4th-year seniors from diverse domains such as Civil core, Consulting, software, and analytics, alongside the MITACS and DAAD Wise scholars, shared their experiences. The event had a footfall of over 50 students.

2) Ultratech Site Visit



On October 14th, a group of 45 students, accompanied by Professors Dr. Prabha and Dr. Sevugan, visited to an UltraTech site. The visit focused on understanding the intricacies of Ready-mix concrete production and the specialized techniques employed in its transportation, especially for extended distances. The participants gained a comprehensive understanding of the intricate processes involved, from formulation to quality control. The experts also gave insights to the students regarding the transportation of ready-mix concrete over extended distances. The visit emphasized safety protocols and innovative techniques to ensure the material's integrity during transit. The engagement with industry experts at UltraTech proved invaluable for the student's academic and professional growth.

3) Scrap House

Scrap House competition was an event under InHotts (Pragyan) held on the 25th of November. Around 18 students from various departments participated and were tasked with transforming scrap materials into model houses. The participants were provided with scrap materials and essential items such as tape, cutter, and glue. The event not only ignited fun and laughter but also underscored the importance of sustainability. The children crafted unique houses from discarded materials and showcased an eco-friendly approach to creativity.



AKKARA

On the 08th of November, Akkara, the agricultural club of NIT Trichy, hosted Mr. B.N. Rahamadullah, for a Guest lecture on "Green Environmental Making."

During the session, he discussed his strategies and how his passion led him on the right way. He described that he left his job with a motive to grow plants and start a small farm.

He started planting small vegetable saplings after a few months, expanding his territories not only in growing trees but also in educating people on environmental sustainability. He emphasized his habit of calling students to his farms, educating them about what he is doing and teaching them useful agricultural techniques. He also talked about the importance of irrigation systems, types of irrigation systems, and how he implements them in his farms. He taught about farming techniques used in his farm.



STUDENT EVENTS

He shared a story in his life, in which he has the habit of buying rotten fruits or vegetables and throwing them far from the road while going in the car so that birds feed on them and carry seeds to other places, which helps in growing trees. He explained how we have to integrate small habits like these in our daily life, which helps in improving the environment.

As his journey progressed, he also started to take care of the fauna in his surroundings, from birds, animals, and small insects. He shared that he dislikes animals or insects leaving his farm as he was aware of their importance in building a sustainable environment. He explained that organic farming methods use traditional inputs such as green manure, compost manure, etc.

The lecturer concluded with a thought-provoking takeaway: the importance of dedicating our efforts towards environmental sustainability to safeguard the well-being of coming generations.

APEKSHAA



On October 15, Apekshaa Club, in collaboration with the Social Council, NSS, and Tamil Mandram, organized the “Gala for Kids” at Barn Hall, NIT Trichy. The event aimed to spread happiness among students and create a memorable day for them. Over 210 students from four schools participated, enjoying a day filled with various activities, delicious food, and joyous moments. The event kicked off with a wholesome breakfast provided to all participating students. Subsequently, various clubs, including Apekshaa, took turns hosting different events, ensuring active participation from everyone. Winners of each event were rewarded with chocolates, and an overall point system was implemented, with participants accumulating the most points receiving additional chocolates.

Following the conclusion of the events, a hearty lunch was provided to all attendees. The post-lunch session featured a lively dance session, allowing students to groove to their favourite tunes and enjoy a great time together. The event reached its peak as prizes were distributed to the winners, recognizing their achievements in the various activities.

The Gala for Kids event concluded at 4 pm, marking a successful day filled with laughter, fun, and satisfaction for all participants. Apekshaa, along with its collaborators, was delighted to have orchestrated an event that brought joy and lasting memories to the children. Looking forward to more opportunities to create such positive experiences in the future.



ABACUS EVENT IN COLLAB WITH UCMAS

On November 5, Apekshaa successfully hosted the Abacus Event in Collaboration with UCMAS at NIT Trichy. This event, spanning from 9 am to 6 pm, witnessed active participation from over 250 students representing approximately 25 schools from both Trichy and beyond.



The primary objective of the event was to assess the abacus skills of students across various categories, namely A, B, C, D, E, F, G, H, K, Z, and Foundation. Each category engaged in dedicated sessions lasting 10 to 15 minutes, providing a comprehensive evaluation of participants' abacus proficiency. Following the abacus sessions, students were taken to the next rooms where Apekshaa members curated a range of engaging activities. The fun events included Connexions, Riddles, Mathletics, and a Karaoke session. To infuse an element of fun, participants answering questions correctly in each activity were rewarded with chocolates. An overall point system tracked the participants with the highest correct answers, culminating in the awarding of special prizes such as chess boards.

After completion of the fun events and abacus competition at 12 pm, the prize distribution took place at 5 pm after a break. Oswald C, Assistant Professor of the CSE Department, graciously honoured the ceremony. Winners from each category were announced, and trophies were distributed, marking the successful culmination of the collaborative effort. The event received high praise from UCMAS representatives, who commended Apekshaa for orchestrating one of the best events they have participated in. Additionally, UCMAS expressed a keen interest in further collaboration, offering assistance and materials for abacus classes to benefit REC students.

The Abacus Event left a positive and lasting impression on participants, parents, and collaborators alike. Apekshaa looks forward to building on this success and organizing more impactful events in the future.

LEAP

LEAPIX was a nature-themed photography competition conducted by LEAP to encourage NIT Trichy's students to explore the campus and raise environmental awareness. The event was graciously judged by Mr. Praveen S Nair, a wild-life enthusiast, and a professional photographer. The winners of the competition received the Honourable mention.

GOLDEN DUSTBIN

Golden dustbin was a project envisioned to repurpose used notebooks and answer sheets with blank pages.. By repurposing these materials, we create new books for REC school children, contributing to both sustainability and education. Through this we encourage NIT Trichy students to help us in our mission to make a positive impact. Golden dustbin was located at Orion and LHC.



PUPIL FOR PUPIL COMMITTEE (PPC)

WE WON'T LITTER

With the motto of Zero - littering, the PPC members assembled lots of dustbins around the race track and helped to gather the waste to be decomposed after the the SportsFETE-23 Marathon at NIT Trichy.



CHILDREN'S DAY CELEBRATION

The PPC members went to Thuvakudi Government School to celebrate the Children's day. They organized many activities and gave gifts to all the students.

OMEGA SCIENCE & SPIRITUALITY CLUB (OSS)



WEEKLY MEDITATION

The weekly meditation sessions, organized by the Omega Science and Spirituality (OSS) Club at NIT-T, have become integral to promoting student well-being. Held every Wednesday at 6 PM under the guidance of Prof. Sangeetha Mam, a seasoned Heartfulness meditation trainer, these sessions provide a serene space for students to unwind. Prof. Sangeetha Mam's 15 years of expertise ensures a balanced blend of meditation techniques, breathing exercises, and mindfulness practices, catering to both beginners and experienced practitioners.

The impact is evident in the growing attendance and positive feedback, with participants reporting reduced stress and improved focus. The communal nature of these sessions fosters a sense of unity among students. Looking ahead, OSS is committed to expanding these sessions, emphasizing the importance of mental health within the student community. Prof. Sangeetha Mam's guidance ensures the continued success of these sessions as a valuable resource for students seeking balance amid academic pursuits.



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