

The official newsletter of NIT Tiruchirappalli

COMMUNITY

**JAN
FEB
2022**

**புக் கழகம்
சாஸ்தான்
TECHNOLOGY**

**VOLUME
04**

**ISSUE
01**

Director's Message

DR. G. AGHILA



Greetings,

I am delighted to have taken charge as the Director of NIT Tiruchirappalli. As the former Registrar-in-charge of NIT Puducherry, I have long admired the work done here from a distance. As the second woman Director of NIT Tiruchirappalli, after Prof. Mini Shaji Thomas, I feel grateful for having been given this opportunity to carry forward the good work initiated by her. I have admired the consistency with which the institute fraternity, under Prof. Thomas' able guidance and leadership, ensured that NIT Tiruchirappalli has retained its position as a high-performing technical institute. As I look ahead to the future, I am filled with optimism, anticipation and the hope that I will have the continued support of the institute fraternity during my time here.

I have spent the last couple of months familiarizing myself with the campus. I have had engaged interactions with the members of different departments who have given me a clearer perspective on what each department is working towards accomplishing and what we need to collectively work towards further achieving. My vision for the institute is now beginning to take shape and I thank everyone for participating in and enriching the interactions. I further thank the hostel administration, the hospital staff, the Student Welfare office and the security team for ensuring a smooth return to normal campus activity after the institute's long tryst with virtual learning.

I am aware that NIT Tiruchirappalli has had a head start as far as NEP implementation is concerned. Some of the innovative practices outlined in NEP 2020 – such as the introduction of a flexible curriculum and credit transfer, the greater participation of women in STEM research as well as in the administration – are already in place here. However, there is a lot more to be accomplished and several milestones yet to be achieved.

I present to you the current issue of the newsletter covering institute activities in the months of January and February 2022. I look forward to NIT Tiruchirappalli's continued triumph in the NIRF rankings and our journey towards a successful implementation of NEP 2020.

Dr.G.Aghila
Director

PUBLIC RELATIONS & MEDIA TEAM

Dr. Vinod Balakrishnan

Professor, Humanities

Dr. N. Sivakumaran

Professor, ICE

Dr. B. Janet

Assistant Professor, CA

Dr. Umasankar Patra

Assistant Professor, Humanities

Dr. Manju Mahipalan

Assistant Professor, DoMS

Dr. Nisha Viswanathan

Assistant Professor, Humanities

Dr. Janarthanan Balakrishnan

Assistant Professor, DoMS

Ms. K. Bhagyasri

Assistant Professor, Architecture

Mr. A. Amalan Joseph Antony

Technical Officer, CSG

Mr. S. Kaushik

Office of PR & Media (Intern)

STUDENTS

Thejeshwar Karthikeyan

Batch 2023, Mechanical Engineering

Chandhana Ravikumar

Batch 2023, Civil Engineering

Sethu Mathavan D C S

Batch 2024, Electronics and Communication Engineering

Shreya Bharathan

Batch 2024, Electrical and Electronics Engineering

Dinesh Kumar R

Batch 2024, Architecture

Mohammad Abdul Shahad

Batch 2024, Mechanical Engineering

PUBLISHED BY

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Dr.G.Aghila takes over as Director, NIT Trichy



Dr. G.Aghila took over as Director, NIT Tiruchirappalli. She took over charge from Prof. G. Kannabiran who had been the Director Incharge. She succeeds Dr. Mini Shaji Thomas to be the second woman Director of the 57-year old Institute. Previously, Dr. Aghila was Professor of Computer Science and Engineering and served as Registrar-in-charge of NIT Puducherry. A PhD from Anna University, Chennai, Dr. Aghila has contributed significantly to the fields of BlockChain, Big Data Analytics, Ontology Engineering, Cheminformatics and AI.

NIT Tiruchirappalli, which is the 9th best NIRF-ranked Engineering Institute, is poised to reach greater heights under the new Director. While taking charge, she said that her priority is to make NIT Trichy more visible at the national and global levels. Dr. Aghila brings with her the wealth of a 32-year career in which she has carved a niche as both an academic and an administrator.

'Integration of Renewable Energy & EVs to Microgrid



The 5-days Online Workshop on 'Integration of Renewable Energy & EVs to Microgrid: Prospects and Challenges' was organized by Dr. Vivek Mohan, Dr. Karthik Thirumala, Dr. Shelas Sathyan and Dr. Manoranjan Sahoo, faculty members of EEE department from 21st to 25th Feb 2022.

This event is sponsored by the SPARC under a project titled "Potential Peer to Peer Transactive Energy Markets in Indian Power Distribution Systems" in collaboration with The Hong Kong Polytechnic University. This is the fourth event organized by the Dept of EEE under this project after the one-day webinar on 'Gandhian Thoughts on Sustainability', the 5-days workshop on 'Recent Trends in Operation and Planning of Microgrid and Active Distribution Networks' and the 5-days short-term course on 'Sustainable Power Systems'.

The objective of the workshop was to disseminate current trends in operation and planning of microgrids with renewable energy and EVs. A total of 119 participants registered for the course, 56 Faculty members, 60 Master/Ph.D. Scholars, and 3 from Industry. There were 10 sessions of 2 hours each covering the following topics by the following speakers:

1. Grid-Connected and Standalone AC Microgrid Architecture Design – Real-Time Use Cases by Mr. S. Selvakumar (Power Projects India Pvt Ltd)
2. Communication in Smart grids by Dr. P. Sivraj (Amrita Vishwa Vidyapeetham, (Coimbatore))
3. Solar resource assessment for PV power projects by Dr. Rhythm Singh (IIT Roorkee)
4. Wind Electricity Generation on Microgrids by Dr. K K Sasi (Tezpur University)
5. Electric Motor Technology for EV and HEVs by Dr. Dipankar Debnath (IIT Kharagpur)
6. Battery Management System for Electric Vehicles by Prof. V. Sankaranarayanan (NIT Trichy)
7. Converter Topologies for EV Battery Chargers by Dr. Shelas Sathyan (NIT Trichy)
8. Control and Energy Management in Microgrids" by Dr. ESN Raju Paidi (Ampre hour Ltd)
9. Microgrid Economics and Management by Dr. Nimal Madhu (Amrita Vishwa Vidyapeetham, Coimbatore)
10. Inverters for Renewable Energy Integrations by Dr. Manoranjan Sahoo (NIT Trichy)

Workshop on Integration of Nanomaterials for emerging Applications



Workshop on nanomaterials for emerging applications was organized by the Department of Physics, National Institute of Technology, Tiruchirappalli on 25th and 26th February 2022. The workshop was funded by the Department of Science and Technology, Government of India under the Scientific Social Responsibility Policy. The workshop had invited lectures by faculty from NITT on nanomaterials and their applications in wide areas such as optical, magnetic, electronic, photovoltaic, energy and inaugurated by the Dean (R&C). Nearly 25 faculty from various disciplines such as Physics, Chemistry, Biochemistry and Biology participated in the face-to-face offline workshop, said Dr. R. Justin Joseyphus, coordinator of the workshop. Held at Breeze Residency, Tiruchirappalli, 'the workshop was useful due to better interaction among the participants and resource persons while keeping us attentive', said few of the participants.

Mathematics Research Forum (MRF) Activities

Mathematics Research Forum (MRF) is a collective initiative of the department faculty members. The forum has been engaged in arranging expository talks since its inception on December 22, National Mathematics Day 2021. Prof. R. Ramanujam, a retired Professor from The Institute of Mathematical Sciences, Chennai, has delivered the inaugural lecture in the forum. In continuation to its effort to improve the research culture in the campus community, MRF has arranged Five expert lectures from a wide range of topics in January and February 2022, as listed below:

On 06/01/2022, Dr. P. Muthukumar, an NBHM-Postdoctoral fellow from Indian Statistical Institute Bangalore, delivered the lecture on "Invariant Subspace Problem". Currently, Dr. P. Muthukumar works as an assistant professor at Indian Institute of Technology Kanpur.

On 13/01/2022, Mr. Akhil Gopinath, an expert from MathWorks (MATLAB), delivered the lecture on "Introduction to MATLAB and Problem solving". A large number of M.Sc and B.Tech students attended the session along with Ph.D. Scholars.

17th –21st January 2022, The Forum organized a Five days National Workshop on "Mathematical Sciences for CSIR and GATE Aspirants". More than 150 students, scholars, and academicians benefited from the workshop and there was no fee for registration and participation.

On 10/02/2022, Dr. Rudra Narayan Padhan, Ph.D. from National Institute of Technology Rourkela, has delivered the lecture on "Superderivations and Isoclinism of Lie Superalgebras".

On 24/02/2022, Mr. Sudhir Singh, a Ph.D. scholar from National Institute of Technology Tiruchirappalli, has delivered the lecture on "Painleve Integrability".

One day Workshop on JMP Software

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

Key capabilities of JMP are Data Visualization and Exploratory Data Analysis, Statistics and Predictive Modeling, Multivariate analysis, Quality Engineering, Process and Six Sigma, Time Series and Sentiment Analysis, Reliability and Survival, Design of Experiments (DOE) and Business Research Methods. Dr.M. Vasu, Assistant Professor of organised the workshop.

Session 1 discussions: included

Statistical Thinking for Production Engineering, Introduction to JMP and Measurement Scales. Data Visualization - Graphs, Plots, Charts, and Interactive Visualization Distribution & Descriptive Statistics.

Session 2 discussions: included

Inferential Statistics, T Test & ANOVA Correlation and Regression (Simple Linear and Multiple Regression) Introduction to Quality and Process.

NIT – Tiruchirappalli unfurls national flag on 73rd Republic Day



National Institute of Technology, Tiruchirappalli hoisted the national flag on its premises on the occasion of 73rd Republic Day, in its official flag hoisting ceremony organized in the helm of National Cadet Corps – Air Wing – NIT Tiruchirappalli.

Dr. L. Cindrella, Dean of Faculty Welfare presided over the ceremony to hoist and unfurl the national flag. Followed by, the Director (i/c) Dr. G. Kannabiran addressed the gathering virtually. In his address, Dr. G. Kannabiran reminded of the great sense of patriotism and belongingness that was necessary to achieve this level of freedom.

He took the opportunity to recollect the achievements of the institutions accomplished in the last year, namely the institution's ranking in the NIRF and accredited it to the work of all faculties, staffs, students and alumni. He expressed his gratitude towards the former office bearers and iterated the role that the institution is required to play on three levels - neighborhood, state and nation - to achieve greater global prominence.

He also emphasized the importance of engaging locally with the community as an institution and formulating programs that are in alignment with the national development programs. Followed by the Director(i/c)'s address, various cultural performances performed by school students of the institution prior to the ceremony were played on the monitor. It included little children narrating the story of Republic Day in various languages, depicting the Unity in Diversity of our nation.

With the recital of Thaayin manikodi paareer composed by Subraminya Bharathiyar, the ceremony brought to a conclusion.

MoU signed between NIT-Tiruchirappalli and St. Joseph's COLLEGE, Tiruchirappalli



Memorandum of Understanding (MoU) is made between National Institute of Technology, Tiruchirappalli (NIT-T) and St. Joseph's College (SJC), Tiruchirappalli on 9th February 2022 (Wednesday). Prof. G. Aghila, Director of NIT-T and Rev. Fr. Arockiasamy Xavier, Principal of SJC have signed in the MoU in presence of Prof. S. Muthukumar, Dean (Research & Consultancy), NIT-T and Dr. G. John, Dean (School of Management Studies), SJC. It has been decided to enter into a collaboration initially pertaining to three Departments, viz, Departments of Chemistry, Computer Science / Computer Applications and Physics.

BUSINESS MANAGEMENT AND ANALYTICS CONFERENCE

Department of Management Studies, National Institute of Technology Tiruchirappalli organized two-day National Conference on Business Management and Analytics in the theme "Life after Pandemic- Impact of Pandemic on Business" on 28 & 29 January 2022. Conference organizing team comprises of Dr. P.Sridevi and Dr. B.Senthil Arasu, as the chairperson for the conference; Dr. S.Nivethitha, Dr. V.Lavanya, Dr. G. Gangadharan and Dr. J.Kirubakaran as the organizing secretary of the conference. The conference is executed virtually by hosting the conference participants and session chairperson(s) from across India through online mode.

The conference is inaugurated on 28 April 2022, presided by Prof. Dr. G. Kannabiran, Director (i/c), NIT Trichy and the chief guest for the inaugural ceremony was Dr. K Ganesh, Senior Knowledge Expert, McKinsey & Company. Dr. P.Sridevi Associate professor, Department of Management Studies, NIT Trichy greeted the gathering for the BMA conference 2021 with welcome note emphasizing the theme of the conference. The conference was scheduled with 11 session tracks in the area of Finance, Marketing, Human Resources & Organizational Behavior, Operations, Information Technology and analytics.

Dr. G. Kannabiran emphasized on the significance of the conference theme and necessity of understanding the impact of pandemic on across businesses. Also, encouraged the attendees to utilize the publication opportunity provided by the conference. In line with the Director, Chief guest

Dr. K. Ganesh, highlighted how the pandemic has influenced the business operations. He stressed on how the pandemic has impacted the transition of the business process. The Business Management and Analytics Conference 2022 has formed a vital knowledge transfer and knowledge sharing platform for researchers from across the nation to share their perspectives and suggestions with scholarly society. Dr. V. Lavanya, Associate Professor, Department of Management Studies concluded the inaugural session with the vote of thanks.

Consultancy Grants: Jan – Feb 2022

- 1) Dr.V. Sunitha, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 2, 24, 200 for Consultancy charges towards JMF for DBM & BC with Sunmax Construction Pvt. Ltd., No.13/1-B, 14/1, First Perumal Kovil Street, TTK Nagar, 2nd Main Road, Irubuliyur, West Tambaram Chennai-45.
- 2) Dr. N. Siva Shanmugam, Associate Professor, Dept. of Mechanical Engineering received a grant of worth Rs. 5,535 for Wire cut EDM Specimen Preparation for Mild Steel & Aluminium 7075 T6 Tensile Test (8 hrs 15 Mins) with Shanmuga Precision Forging, No.121/6A, Trichy Main Road, Thirumalaisamuduram, Thanjavur – 61340.
- 3) Dr.V. Sunitha, Asst. Professor, Department of Civil Engineering was granted Rs. 59,000 for the works of Consultancy charges towards JMF for SDAC by S. Kumaran, 16/176-A, Bharathi Puram, Nagal Nagar, Dindugul – 624 003.
- 4) Dr. M.P. Selvan, Asso. Prof., Dept. of EEE received a grant worth of Rs. 1,71,690 for Electrical work (Supply & Labour) Vetting of Electrical Internal and External Work by Teemage Builders (P) Ltd., 6/35, College Road, 1st Cross Street, Tiruppur – 641 602.
- 5) Dr.K.Muthukumar, Professor, Department of Civil Engineering was granted Rs. 94,400 for the works, Consultancy charges towards the testing of soil samples of supplying earth to land filling and road work. Sample collected location at Melaperumpallam Village & Keezhaperumpallam Village, Tharangambadi Taluk, Mayiladuthurai Dt. by SPL Infrastructure Pvt. Ltd., no.15, kasthuri rangan Street, Alwarpet, Chennai-18.
- 6) Dr.K.Muthukumar, Professor, Department of Civil Engineering was granted Rs. 47,200 for Consultancy charges towards the testing of soil samples of supplying earth to land filling and road work. Sample collected location at Manganur Village, Gandharvakottai Taluk, Pudukkottai Dt. with SPL Infrastructure Pvt. Ltd., no.15, kasthuri rangan Street, Alwarpet, Chennai-18.
- 7) Dr.K.Muthukumar, Professor, Department of Civil Engineering received a grant worth of Rs. 47,200 for Consultancy charges towards the testing of soil samples of supplying earth to land filling and road work Sample collected location at Viralipatti Village, Gandharvakottai Tk, Pudukkottai Dt for SPL Infrastructure Pvt. Ltd., no.15, kasthuri rangan Street, Alwarpet, Chennai-18.
- 8) Dr. M. Premalatha, Prof., Energy & Environment received a grant worth of Rs. 28,969 or Consultancy charges towards Onsite calibration for Pressure (10 Nos.) Temperature (9 Nos.) and Electrical (2 Nos.) instruments, Onsite calibration service charges for 2 days for The Director, Joseph Eye Hospital, Trichy
- 9) Dr.N. Sivakumar, Professor, Department of ICE received a grant to the tune of Rs. 1000000 Towards releasing 25% on signing MOA to Centre for Development of Advanced Computing (CDAC), Thiruvananthapuram, Govt. of India for the Emergency Response Support System CDAC (T), T.C.14/992, Vellayambalam, Thiruvananthapuram, Kerala – 695 033
- 10) Dr.V. Sunitha, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 59,000 for Consultancy charges towards GSB & WMM to Teemage Builders (P) Ltd., 6/35, College Road, 1st Cross Street, Tiruppur – 641 602
- 11) Dr.K.Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 1,47,500 for Design & Drawings of RCC Drains (Loaded), Design & Drawings of New Jersey Crash Barrier, Design & Drawings of Box Culverts 3m fill, 4m fill and 5 m fill for KNR Constructions Ltd., D.No.131-A, Ground Floor, Vengara Village and Panchayat, Near Kooriyad Jn & Post, Ward No.23, Kooriyad – Madachina Road, Tirunangadi TK, Malappuram, Kerala – 676 306

Consultancy Grants: Jan – Feb 2022

12) Dr.K.Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 767000 on Design & Drawings of RCC Drains (Loaded), Design & Drawings of Vehicular Over pass (2x13.5) @ CH 262.015, 264.245, 270.159, Design & Drawings of Vehicular Under pass (1x15) @ CH 259.86, 272.599, Design & Drawings of Vehicular Under pass (1x25) @ CH 267.367, 268.614, 271.509 Design & Drawings of Precast Cast Box culverts 3m fill, 4m fill and 5 m fill for KNR Constructions Ltd., D.No.131-A, Ground Floor, Vengara Village and Panchayat, Near Kooriyad Jn & Post, Ward No.23, Kooriyad - Madachina Road, Tirunangadi TK, Malappuram, Kerala - 676 306

13) Dr. V. Arul Mozhi Selvan, Associate Prof., Department of Mechanical Engineering received a grant to the tune of Rs. 2,36,000 for Consultancy Charges towards Third Party Inspection on Technical Specification, Quality and Performance of Road Sweeper Vehicle, V.No.TN45 CA 3022, TN45 CA 3012 for KAM-AVIDA ENVIRO ENGINEERS PVT LTD., Plot No.2, Survey No.255/1, Hinjewadi, Mulshi Taulk, Pune - 411 057

14) Dr.V. Sunitha, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 70800 Consultancy charges towards dbm Bitumen Content and Gradation for DP Jain & Co Infra Structure Pvt. Ltd., Survey No.84/1, Opp. Kamalam College, Anthiyur Village, Post, Pulankinoor TK, Udumalpeth, Tiruppur - 642122.

15) Dr.K.Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 1710219 Construction of AMK 339 Project for HAPP at Trichy package 1, SH Factory Building i/c FT Hotel and Development works (Civil) and Internal Electrical Installations - 3rd party quality assurance scientific and technical consultancy services The Executive Officer, O/o EE, Trichy Central Division, CPWD, NIT Campus, Trichy - 620 015

16) Dr. Jeevan josph, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 183082 for Soil Characterization and Report Submission (1st Istallment) for Feedback Infra Pvt. Ltd., First Floor, 19/28, New Street, Ramanathapuram, TN - 623504.

17) Dr.K. Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 5,10,347 on Structural Design and Issue of Good for Construction Drawings for the above mentioned project $2009 \text{ sq.m.} * 10.75 = 21,597 \text{ Sq.Ft}$ $21597 * 20 \text{ Rs./Sq.ft} = 4,32,497/-$ for The Executive Officer, O/o EE, Trichy Central Division, CPWD, NIT Campus, Trichy - 620 015

18) Dr.K.Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 1,43,866 on Structural Design and Issue of Good for Construction Drawings for The Executive Officer, O/o EE, Trichy Central Division, CPWD, NIT Campus, Trichy - 620 015

19) DR. R. Raghavan, Asst. Prof., Dept. of Civil received a grant to the tune of Rs. 35,400 on Counter check and report preparation for MTP - POH facilities for NMR coaches, for S. Rajencran (Proprietor), 4/22, AKG Nagar, 3rd Street, behind Vijaya Bank, Uppilipalayam, Coimbatore, TN,

20) Dr.K.Baskar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 5,75,465 on Structural Design and Issue of Good for Construction Drawings The Executive Officer, O/o EE, Trichy Central Division, CPWD, NIT Campus, Trichy - 620 015.

21) Dr.S. Muthukumar, Professor, Department of MME received a grant to the tune of Rs. 21,00,000 on Consultancy Charges towards CSR Initiative from Siemens Industry Software (India) Pvt. Ltd. Siemens Industry Software (India) Pvt. Ltd., Survey No.21, Tower C, Balewadi, Pune, Maharashtra - 411 045

Consultancy Grants: Jan – Feb 2022

- 22) Dr.K.Muthukumar, Professor, Department of Civil Engineering received a grant to the tune of Rs. 3,54,000 on Consultancy Charges towards Proof Checking of Design and Drawings of Ground Improvement Works for NRL Project, Numaligarh, Assam to The L & T Geo Structure Pvt. Ltd., Pilling & Ground Improvement Works, MSB Unit, Numaigarh Refinery Expansion Project - Group - A, Golaghat Dt., Assam - 785699, GST: 18AAECL4309E1ZQ
- 23) Dr. M. Premalatha, HOD/DEE received a grant to the tune of Rs.51, 948 on Testing Charges from CEESAT for CEESAT - Testing & Analysis
- 24) DR. S. Velmathi, HOD/Chemistry received a grant to the tune of Rs. 50,000 on NMR Spectrometer for Analytical Charges
- 25) Dr.Jeevan joseph, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 29,500 on Retainer Consultancy works for M. Alaguponnaiah, EE, THUHDB, Trichy
- 26) Dr.V. Sunitha, Asst. Professor, Department of Civil Engineering received a grant to the tune of Rs. 59,000 Retainer Consultancy works for Navelbase, Tirunelveli
- 27) Dr. S.P. Sivapirakasam, Prof./Mechanical Engineering Department received a grant to the tune of Rs. 7,08,000 for works on MOU between ISRO, Mahendragiri
- 28) Dr. J. Karthikeyan, Prof. / Department of Civil received a grant to the tune of Rs. 59,000 on works of Retainer Consultancy for The EE, PWD & WRD, Kulithalai
- 29) Dr. R. Senthil Kumar, Asst. Prof/. Department of Civil Engineering ESIC received a grant to the tune of Rs. 5,90,000 for Karnataka Project, ESCI Project
- 30) Dr. J. Karthikeyan, Prof. / Department of Civil Engineering received a grant to the tune of Rs. 33,040 on Retainer Consultancy works for Asst. Er., CPWD, NIT, Campus
- 31) Dr. N. Ramesh Babu, Prof./ Department of MME received a grant to the tune of Rs. 80,000 bio material lab. Collection Biomaterials lab.
- 32) Dr. N. Ramesh Babu, Prof./ Department of MME received a grant to the tune of Rs. 35,100 & Rs. 2255500 on XRD collection works for XRD.
- 33) Dr. S. Moses Santhakumar, Prof./Department of Civil Engineering received a grant to the tune of Rs. 23,600 Retainer Consultancy JKG Infratech Pvt. Ltd., Madurai
- 34) Dr. J. Karthikeyan, Prof. / Department of Civil Engineering received a grant to the tune of Rs. 24,190 & Rs. 96760 Retainer Consultancy Rank Project & Pvt. Ltd., Salem
- 35) Dr. J. Karthikeyan, Prof. / Department of Civil Engineering received a grant to the tune of Rs. 26,904 on works, Strength of Materials lab for Junior Engineer, Camp. Kodiakkarai Light House, Chennai
- 34) Dr. J. Karthikeyan, Prof. / Department of Civil Engineering received a grant to the tune of Rs. 24,190 & Rs. 96760 Retainer Consultancy Rank Project & Pvt. Ltd., Salem
- 35) Dr. J. Karthikeyan, Prof. / Department of Civil Engineering received a grant to the tune of Rs. 26,904 on works, Strength of Materials lab for Junior Engineer, Camp. Kodiakkarai Light House, Chennai

Research Grants: Jan – Feb 2022

- 1) Dr.Surya Rajan B / Mentor.DR.LENIN SINGARAVELU of Department of Production Engineering received a grant of Rs. 1,05,000 under the agency of SERB for a period of 36 months.
- 2) Dr.Ponnilavan under Mentor Dr.N.Ramesh Babu of Department of MME received a grant to the tune of Rs. 21,31,200 under the agency of SERB-NPDF for a period of 24 MONTHS
- 3) Dr.Mohammed Asif M under Mentor K.Panner selvam of Department of Production Engineering granted funds of Rs. 10,05,000 under the agency of SERB-TARE and its projects for a period of 36 MONTHS.
- 4) Dr.V.Rajkumar under Mentor – Dr.N.Sivashanmugam of Department of MECH received a grant to the tune of Rs. 10,05,000 for a period of 36 MONTHS
- 5) DR.R.Balakrishnan of Department of CSE sanctioned grants of Rs. 15,98,120 under the agency of SERB study for the project on colluding andriod apps, mitigating the threat using machine learning technique for a period of 24 MONTHS
- 6) Dr.Essaakimuthu S under Mentor Dr.Justin josephus of Department of Physics was awarded s research grant of Rs. 10,05,000 for a period of 36 MONTHS under the agency SERB-TARE and its projects.
- 7) Dr.M P SELVAN of Department of EEE granted a fund of Rs. 30,36,264 for a period of 36 MONTHS under the agency of SERB for project, Development of metal 3d printed lightweight flywheel and novel control algorithm for micro -gird energy storage applications
- 8) Dr.V.M. Jaganathan of Department of Energy and Environment received a grant to the tune of 9783970 for a period of 36 MONTHS under the agency of GAIL for the project, Design and development of a fully automated prototype of the IITM bio mas gasification system
- 9) DR. KUMAR under MENTOR DR.LENIN SINGARAVELU of Department of Production Engineering was sanctioned a grant of amount Rs. 10,05,000 for a period of 36 MONTHS under the agency of SERB-TARE and its projects.
- 10) Dr. Karthik Kumar under Mentor: Dr. S. Anandan of Department of Chemistry received a grant amount Rs. 10,05,000 for a period of 36 MONTHS under the agency SERB-TARE
- 11) Dr. Aravind C K was granted amount of Rs. 2,75,000 for 36 MONTHS under the agency of SERB-TARE
- 12) Dr. G. Thavasi Raj Department of ECE received a grant to the tune of Rs. 25,13,764 for a period of 36 MONTHS under the agency of SERB for Deep learning based reconfigurable and multifunctional nanophotonic interconnects for hyperscale data centers and 6G Backhaul networks.
- 13) DR. GRACIA NIRMALA RANI was granted funds to the tune of Rs. 2,75,000 under the agency of SERB-TARE for period of 36 MONTHS
- 14) DR.R. DEENDAYAL of Department of Civil Engineering ECE received a grant to the tune of Rs. 27,33,544 for a period of 36 MONTHS under the agency of SERB for the project, EXPERIMENTAL INVESTIGATION ON CONVENTIONAL AND INNOVATIVE PILES FOR OFF SHORE WIND TURBINES (OWT) FOUNDATION SYSTEM SUBJECTED TO LONG TERM CYCLIE LOADING
- 15) Dr. P. Maheswarn of Department of ECE received a grant of Rs. 16,06,940 for a period of 24 MONTHS for the project, Orthogonal time frequency space modulation based index modulation of 6G Communication systems under the agency of SERB.

Synergy' 22 – Department of Mechanical Engineering



The 3 Day symposium consisted of 7 events in total where 4 were formal events and 3 informal. The events included Paper Presentation, Phenomenon, Can You Adjust, Construct, Crossword Puzzle event, Lathe-It-Off and Rube Goldberg Machine Maker. This year's array of Workshops included 3D printing, autonomous cars, introduction to

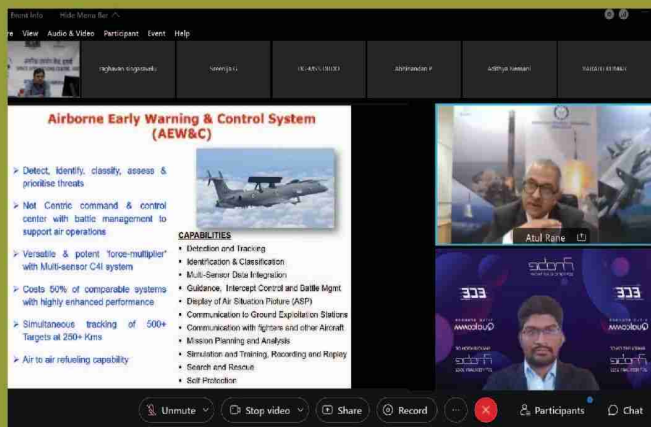
The Mechanical Engineering Association organized their annual technical symposium, Synergy, on the 25th, 26th and 27th of February. This edition of Synergy was organised online, where participants from all over the country participated through platforms like Google meets and YouTube live sessions.

The Inaugural Ceremony was streamed on the YouTube channel - 'Mechanical Engineering Association'. The chief guest of the ceremony was Mr. Gnanagandhi Vasudevan, Sr.Vice President - Skyroot Aerospace Pvt. Ltd., Ex. ISRO Project Director and a Padma Shri recipient. The ceremony was presided over by the Dean Student welfare Dr.N Kumaresan, Head of Mechanical Engineering Department Dr A R Veerappan, Faculty Advisors Dr. K S S Harish, Dr. V Mariappan and Chairman of Synergy 2022, Madhav Krishnamangalam as well.

The inauguration ceremony began with a welcome address by the Head of the Department, followed by the chairperson giving an overview of Synergy. The presidential address was given by the Dean Student Welfare. The chief guest of the ceremony inaugurated the symposium with his address. The ceremony ended with a vote of thanks by the faculty advisor Dr. K S S Harish.

electric vehicles, mobile robotics and application of sixth sense technology in robotics. This edition of Synergy had organised guest lectures by renowned personalities like Mr.Gnanagandhi Vasudevan, Mr Sabin Mathew, Mr Subir Chakraborty and Mr Sameer Jindal, who gave lectures on diverse topics. Synergy 2022 truly lived up to its theme 'Neoteric Rhapsody - Ballad of Future Tech'.





Inauguration:

On the 25th of February, 2022, the inauguration ceremony of the 30th edition of Probe was held on Cisco WebEx platform. Probe is the national level symposium of the Department of Electronics and Communication Engineering, NIT Trichy. A number of stalwarts were assembled for the occasion, along with all the professors and students of the ECE department.

The first person invited to address the gathering by the two anchors was Mr. Akhil Dasari, the chairperson of the ECE Association. He gave all those assembled a warm welcome and spoke about how Probe and the association serve as a connecting body between the students of the department and the industry.

Mr. Akhil Dasari made way for Ms. R.Karthiha, the overall coordinator of the ECEA. She addressed the gathering about the benefits the ECEA offers the students of the department, whether it be Project Incubator to support the innovative minds or the mentorship programme to ease the students' transition from school to college life.

The next speaker was Dr. R.Pandeeswari, the faculty advisor of the ECEA. She welcomed the faculties and guests, before expressing pride in Probe reaching its pearl jubilee anniversary. She offered a glimpse into what Probe has to offer - events, workshops, guest lectures and more. She ended her address

Probe has to offer - events, workshops, guest lectures and more. She ended her address with a plea to students to take up more innovative projects and wished success for Probe and its team.

Up next was the head of the department, Dr. P. Muthu Chidambara Nathan, Head of the department, ECE. He thanked the chief guests for accepting the invitation, before addressing the gathering about the increased research funding, and placement statistics from the department even during the pandemic years. He also spoke of an establishment of an alumni-funded SoC design center, as well as the multitude of groundbreaking research projects the department and its alumni are currently pursuing. He made a plea for the UG students to be more involved in research, and the PG students to take up internships, before closing his address.

He made way for Dr. S Raghavan, a stalwart of the ECE research fraternity for over four decades. He began his speech by reminiscing about the very first edition of Probe back in 1992, and how over the span of 30 years has grown into the juggernaut it is today, through the hard work of the HoD and the students. He also spoke about Probe having close ties with DRDO, ISRO, and the minds behind Brahmos. He closed his address by wishing the ECEA and its members the very best in future endeavors.

With this, it was time for the chief guest, Dr. BHVS Narayana Murthy, Director general, MSS, DRDO to address the crowd. He expressed that such an array of events and workshops is essential for the students to keep up with the latest technological developments. He spoke of the latest developments in defense, mainly the extensive usage of machine learning and sensors in missiles. He also talked about the rapid change in technology in the present day, and DRDO's initiatives to help academia. He ended his speech with the increased government expenditure on R&D when it comes to defense.

Sensors'22 - Department of Instrumentation and Control Engineering.



Inauguration:

18th february 2022 was the inauguration of Sensors'22, which marks the opening ceremony of the 25th edition of Sensors. Sensors is the National level technical symposium of the Department of Instrumentation and Control Engineering, NIT Trichy.

The occasion was specially embraced by Mr. Asim Kumar Sinha, CEO of IIOTEXPERT (Partner of Vorne Industries Inc. USA),

a Senior Member of the International Society of Automation(ISA), and a regular author for the ISA Global website. He worked with leaders at multiple levels at manufacturing companies to implement edge-cutting technology for factory improvement and is currently busy transforming businesses with Industry 4.0/IIoT Technology solutions in APAC Countries.

Vignesh Raj, Student Chairperson of ICEA, started with a welcome address commencing the event in a hybrid format, with invitees both online and in-person. In the presence of the Director of NIT Trichy, Dr. G. Aghila, Head of the Department Dr. K. Dhanalakshmi, Deputy Director, Dr. M. Umopathy, and Faculty Advisor of Instrumentation and Control Engineers Association(ICEA), Dr. R. Periyasamy, and fellow students, the lamp was lite bright.

The special guest was offered the center stage to give the inaugural address and guest lecture. He talked about Industrial IoT and Smart manufacturing, sharing his experience and immense knowledge in the field. The event ended with a vote of thanks from Lakshmanan R, Student Treasurer of ICEA.

Currents' 22 - Dept of Electrical and Electronics Engineering

Inauguration:

The 32nd edition of Currents took place virtually this academic year from 18th to 20th of February. The EEE Association's three-day national-level technical symposium typically encompasses seminars, technical contests and quizzes, exhibitions, workshops, and paper presentations. The Currents'22 inauguration ceremony was held on the 18th February on MS Teams. The occasion was graced by the Dean Student Welfare Dr. N. Kumaresan, Head of the Department Dr. V. Sankaranarayanan, Faculty Advisor of EEEA Dr. Josephine R.L., Reputed faculty members of the EEE Department, EEEA members, and the student community. With 290+ students attending the ceremony, Dr. Subhanshu Gupta, Associate Professor from Washington State University was the Guest of Honour, and he is also a proud Alumni of batch'02. His special lecture titled "IOT and Communication" was delivered right after the ceremony, followed by a short Q&A session by the students.



Currents 2022 was spread over three days with 7 Workshops, 4 Events, and 3 Guest Lectures, creating a platform for students to showcase their talents and learn new skills.

Vortex '22 - Dept of Computer Science & Engineering



The inaugural ceremony was graced by Mr. Virender Aggarwal, Ex CEO of Ramco Systems, Founder and Investor in ConvInt.ai. The Welcome Address was delivered by Mudunuri Sri Krishna, Chairperson of Vortex 22. The HoD of CSE department, Dr. S. Mary Saira Bhanu, the faculty advisor of CSE Association(CSEA), Dr. E. Siv- asankar addressed the gathering. The ceremony marked an auspicious beginning in the presence of Dr. Sai Krishna Mothku, Faculty Treasurer of CSEA, D. Brijesh, Vice Chairperson of Vortex'22, P Niteesh Kumar, Overall coordinator of Vortex'22, John Samuel, Treasurer of Vortex'22 and a great audience.

The Computer Science and Engineering department, NIT Trichy cherishes monumental success of Vortex 2022 edition. Over the last few days, a wide range of events, workshops and guest lectures were organised. Themed 'Virtual is the new Reality', Vortex seamlessly hosted all of its events virtually.

The inaugural ceremony was graced by Mr. Virender Aggarwal, Ex CEO of Ramco Systems,

Following the inauguration were the events Numpy, Hunt the Code, Vortex Main Quiz. The events saw a huge participation from across the country. Workshops on different technologies including Blockchain, Cybersecurity and Ethical Hacking, Machine Learning, Web development were organized. A series of talks were delivered by esteemed guests. Mr. Vivek Srinivasan delivered an eye opening session about startups and things to keep in mind when starting one. The next lecture in the series was by Mr. Deepak Kumar about the importance of Data Analytics.

Having witnessed a flood of registrations and a remarkable success this year, Vortex endeavors to come yet powerful with the next edition.

IEEE Student Branch activities for the year 2022- Inauguration

The IEEE Student Branch activities 2022 of NIT Tiruchirappalli was inaugurated on 25th Feb 2022. The Chief Guest for the inaugural event was Mr. Hanumanta Rao, DGM-Operation Department, NTPC, Solapur and Dr. G. Aghila Director, NITT presided over the meeting. The event started off with an invocation to the almighty and Mr. Arjun Visakh, Secretary, IEEE SB 2021 welcomed the audience.

Mr. Kannadasan K, Chairman, IEEE SB 2021 gave a brief overview about the activities conducted throughout the year 2021. Office Bearers of IEEE SB 2021 was felicitated by Dr. M. P. Selvan, IEEE SB Counsellor 2020-2021. The new allocated Office Bearers of IEEE SB 2022 was introduced by Dr. M. Venkata Kirthiga, IEEE SB Counsellor 2022.

Dr. G. Aghila, Director, NITT administered the audience with her thoughtful speech and thanked all the office bearers for the efforts put up throughout the year. Director also motivated everyone to work towards conducting more productive technical talks that would be helpful in their careers.

Mr. Hanumanta Rao later officiated the inaugural address with his inspirational words. The action plan of IEEE SB 2022 was presented by Ms. Vidya P. Janaki, Chairperson, IEEE SB 2022. Finally, Mr. Ayush Kumar Laad, Vice-Chairman IEEE SB 2022 governed the Vote of Thanks.

IEEE Student Branch- Technical Talk on Inauguration Day



The speaker for the technical talk was Mr. Hanumanta Rao, DGM-Operation Department, NTPC, Solapur.

Sir started the session with introduction to generating stations by giving clear examples through Thin Centralized Optimization Layer. The main objective is to minimize Pan India ISGS Variable cost which optimizes the generation cost. A brief overview on how the generators work was presented and Benefit sharing was explained in detail. Cost savings in this approach of using generators was clearly elaborated.

The speaker handled the basic idea on Power Markets in India and the way to reduce power procurement was mentioned. Quantum of Power was also explained. The approach of Real Time Market (RTM) and Real Time Market Auction was delivered by the speaker giving a clear idea. Buy and Sell Bids was demonstrated graphically by the speaker and the Future scope and how competition between generators would increase was illustrated.

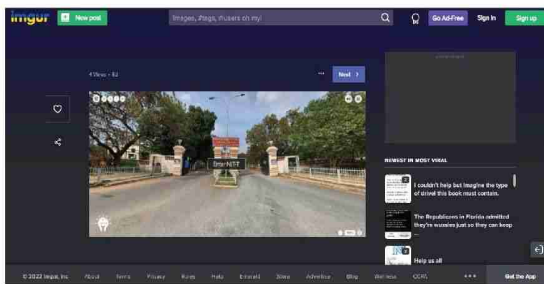
Finally, an interactive session enabled the participants to clear their doubts regarding the talk.

The speaker answered all the queries that was asked during the session.

The technical talk was attended by UG & PG students, PhD scholars and faculties from all over the country.

The IEEE Student Branch of NIT Tiruchirappalli organized an online technical talk on "Recent Developments in Power Generation Industry" on 25th Feb 2022 via WebEx meetings. The event was set up on the inaugural day of the IEEE Student Branch 2022, NIT Tiruchirappalli.

NIT CONCLAVE



NIT Conclave is a pan-NIT event providing a platform for students from various NITs to convene and discuss the progress and development of the country in technology, research, and entrepreneurship avenues and deliberate over solutions. The 10th edition of the event, titled ConclaveX, was hosted by NIT Tiruchirappalli on the Metaverse platform from 4-6th March. The Metaverse allowed our participants to experience a virtual world where they can freely interact and socialize with others like they would have on an offline setup simply by logging into their screens. With the combined efforts of the Technical Council and Gmetri, the event had a total of 15,000 viewers and with a combined

time spent of about 200 hours on the platform. Various competitive events had over 1000 participants who competed to reach the top of the leaderboard among all NITs.

Some of the events were VC Panic, Guessing Game, Pitch Perfect, Debate Competition, Gnarly Scout, Code Character, Algorithm Cup, Designathon and Startup Shipwreck where students of NIT Tiruchirappalli shone and won many of the above.

The Guest Lectures series featured the following themes:

Soft Skills Enhancement, by Dr. Vinod Balakrishnan

Manufacturing Aspects of Gas Turbine for Military Application, by A. Manjunath

Research scope in Laser-based processing, by Dr. Duraiselvam. M

Student Entrepreneurship Session, by Mehul Nath Jindal

Bringing Trust and Integrity into NFTs, by Vijay Pravin Maharajan

Startups and Entrepreneurship Session, by Prasanna Sankar and

Metal Additive Manufacturing, by Kameshwaran Swamination

Workshops were conducted under the topics of Introduction to Web3 which was conducted by

Covalent, Genesis'22 by RMI, Investment Analysis and Economy and Financial Markets post 2020.

Technical Council

Technical Council organized ISRO-STIC project demo session, In order to inspire students to carry the noble baton of futuristic space technology, we follow up the reveal of this academia-industry center with a session on on DESIGN OF DSP PROCESSOR using SCL FOUNDRY, a project demo session by ISRO-STIC. They also released a post on the incubation model of Center for Entrepreneurship Development and Incubation (CEDI), which carries out a step-by-step process to support NITTIAN-pioneered startup ventures.

As part of Tecos initiative, released a post on Google Summer of Code which is one of the biggest programs that promote open source culture throughout the world. Technical Council released Instagram AR filter of important places in NIT Trichy, through which student find the places that make NIT-T memorable. They also released post on introduction of Android StudyJams and with registration link, in partnership with GDSC NIT Trichy. Also released was the organization reviews of GSOC, which had detailed analysis of projects offered, tech stack and topics

Delta Force In collaboration with orientation'22 released "Utopia" for freshers, a platform where students can interact with your friends, explore the campus map, play fun games, Also released educational content on Machine Learning algorithms as a 5 part series and Code Character 22, the AI strategy game.

Spider R&D Conducted TRI-NIT hackathon, Build, developed, tested and launched LYNX app, which is aimed towards streamlining official communication in NIT Trichy and also Conducted Web-dev workshop in association with Vortex NIT Trichy

DC NIT Trichy In partnership with orientation'22, conducted MC-Dom workshop for 1st years.

PSI NIT Trichy Conducted AutoDrift, a webinar on Solid works, MATLAB and Ansys. They conducted "Freudian Faux Pas' ', a podcast Where ideas, thoughts, Cognitive Science problems from philosophy, psychology and its implications in Artificial Intelligence, were discussed.

180DC conducted a Case Study Competition - Case Solving 101 in association with Pragyan



The Student Chapters of Optica and SPIE societies have been working collaboratively for more than a decade. They have organized several activities such as lectures, conferences, symposiums and workshops where renowned scientists around the globe are invited to deliver their insightful talks. Several outreach programmes have been conducted at schools located in rural areas with an aim to arouse and emphasize their enthusiasm for science and technology. The chapter reaches out to the public by channeling science fairs, distributing optical kits, demonstrating experiments, conducting science quizzes and other competitions.

To imprint the discovery of the Raman effect by our own Indian physicist Sir C. V. Raman, Optica and SPIE student chapters have celebrated National Science day 2022 by conducting an outreach program in the Government Tribal Residential Higher Secondary School at Top Sengattupatti, a tribal village atop Pachamalai Hills. In such a secluded school, the chapter house has reached out to the students from class 6th to 8th with a goal to empower them with science. Prof. Sastikumar, Staff advisor of Student chapters flagged off the event with Inaugural address. A career guidance talk by Mr. Silambarasam, member of Optica chapter was validated by the overwhelming response from the students. The response and happiness on students' faces gave us the confidence that they were hugely benefited by the career guidance session. An infotainment drama organized by Ms. Naveena and her team entertained as well as effectively educated the students with day-to-day science phenomena. The children were thrilled to participate in exhilarating competitions like quiz and drawing hosted by the chapterhouse.

These events revealed what a blend of creativity, knowledge and eagerness these children are! The winners and active participants bagged several prizes. The lack of connectivity to the outside world shrouded the higher education and career opportunities from those children. Nevertheless this outreach programme organized by the student chapters has bridged this gap for the school children kindling the spirit of science and paving a way to build a strong career.

Platinum Jubilee Year of Indian Institute of Chemical Engineers (IChE)

The inaugural talk in the online Guest Lecture Series celebrating the Platinum Jubilee Year of Indian Institute of Chemical Engineers (IChE) was held on 25th February, 2022. The event, organized by IChE NIT Trichy Student Chapter, featured a guest lecture by Dr. Sreenivasan Ramaswami (Indian Institute of Science, Bengaluru) on the topic 'Chemical Engineering: Perspectives, Higher Studies & Research Opportunities'.

Dr Ramaswami is a distinguished alumnus of NIT Trichy from the 2012 Batch Chemical Engineering. He is the recipient of the Young Achiever's Award (YAA) from NIT Tiruchirappalli in 2021. Currently, his lab at IISc focuses on Sustainable Water and Wastewater Management

Students and faculty from the Chemical Engineering Department took part in the guest lecture and interactive session. Dr P Kalaichelvi (HOD, Chemical Engineering Department) welcomed the gathering. The lecture by Dr. Ramaswami was highly informative and valuable, specifically for students in their initial years of Chemical Engineering to gain perspective on the scope for research and higher studies this field offers. With this Guest Lecture Series, IChE NIT Trichy Student Chapter launched the Platinum Jubilee Year Celebration.

TAMILMANDRAM

'Valluvam inidhu' series:

On the occasion of Thiruvalluvar day on 15th Jan & as a prelude to guest lecture, a quiz & fact series titled 'Valluvam inidhu' were live on our Instagram stories every day. The series covered some unique - unknown facts and interesting questions from Thirukkural. A total of 10 stories were up in this regard and the quiz attracted around 300 participants.



PONGAL 2022 Celebrations

Tamil Mandram, in association with the PG students of NITT have organized the NITT Virtual Pongal Celebrations 2022. This second edition of NITT virtual Pongal celebrations saw an exciting line up of 9 events for the diverse pool of NITT student community. The celebrations took place over Instagram handle recording a total number of 90 posts and 100+ stories over the days of Jan 10-16. The events saw an overwhelming participation from all walks of the NITT student community.

Pattimandram (Debate)

The Virtual Pongal celebration saw a lively pattimandram in the topic "Are the interest towards festivals increasing or decreasing?" on 16th January. The renowned orator, the 2017 best woman state awardee Dr. (Mrs.) Gurugnanambiga, Assistant professor of Tamil Department, Avinashilingam Institute of Home Science and Higher Studies, Coimbatore graced the pattimandram with her presence as judge. The pattimandram received critical appreciation from the NITT community as the quality of content on par with professional debates.

'Management lessons from Valluvar' – Guest Lecture:

Marking the commencement of the new Thiruvalluvar year 2053, Tamil Mandram organised a webinar on 23rd January on Management lessons from the renowned Tamil literature Thirukkural written by the ancient Tamil Poet Thiruvalluvar, which is one of the most widely translated nonreligious works in the world.

'Tamil Semmal' Writer Mr. Soma Veerappan, retired General Manager of Punjab National Bank took part as the Chief Guest. The Chief Guest was the author of 'Kural Inithu', he was also a part of 'Voice of Valluvar' family and has been associated with organizing lectures and events on Thirukkural over the years. He pointed out the relevance of Thirukkural with respect Economics and Management. And elaborated on its couplets on Planning, Delegation, Importance of place and Importance of Timing of Decisions are similar to the chapters in today's management books. He pointed out the parallels of lessons delivered by both Thiruvalluvar and Peter Druckers, famously known as founder of management studies. He also motivated the students to engage in writing.

The guest lecture was followed by an interactive session of the audience the chief guest. The webinar received wholehearted appreciation from the NITT fraternity for discussing the relevance of the concepts of the classical Tamil Literature in this modern era.



PRAKRUTI

Prakruti is the nature club of NIT Tiruchirappalli that is responsible for the welfare of the animals and plants. Over the last two months, seven teams of 5 members each collected leftover food from the kitchens of Mega Mess, mixed and fed to the dogs in both the academic and the hostel areas, taking care of them.

The medical team gave medicine twice a week to dogs with skin infection and other ailments. Puppies which were found sick were taken to the Govt. Veterinary Hospital, Thiruverumbur. On unfortunate demise of pups and dogs, the corpses were buried by the members to prevent spreading of any infection to other dogs. The members are in the process of getting the puppies adopted. 3 online events 'Guess the Being', 'Nature Quiz' and 'Videography' were conducted in January. Awareness and Trivia posts are made by the Content and Design Team of the club on social media platforms like Instagram and WhatsApp.

APEKSHAA

Apekshaa, the social responsibility club of NIT Trichy, is an altruistic club that puts others before themselves. Over January and February, the team members of Apekshaa persevered and completed two events successfully. They applied for Voter IDs on behalf of students who do not have one for a fee of Rs. 50/- which would be later donated to ashrams/ orphanages in the form of study materials.

The club members also distributed Football, cricket bat, stumps, indoor board games like ludo, pallanguli, paramapadham, cubes, carrom boards, chess boards for the REC NITT school. Now that the students are back on campus permanently, the club looks forward to resume volunteering and teaching in the REC School, Ashrams, and other school events.

LEAP

The LEAP club is the Environmental Awareness and Protection club at NIT, Trichy whose main motto is to spread awareness and add sustainability among the students of NIT Trichy. They conducted a Guest lecture with "Arun Krishnamurthy" Founder of Environmental Foundation of India, during which the participants received a profound knowledge of Environmental awareness in our community. He emphasized that as young engineers the students should be able to solve the problems of plastic, carbon emissions and more. Also, the club posted an Instagram series about the plants and trees in Miyawaki forest at NIT, Trichy. It gives us an idea of its scientific name, characteristics and uses along with its image. The club has planned a lot of offline events and prepared for the offline semester to spread awareness among the students. In a few days, the club's official website is also likely to go live.

CLUB ACTIVITIES



AKSHARAA

AKSHARA -The telugu literature and cultural society of nit trichy, promotes telugu culture

and literature in and around college by conducting various events, guest lectures,

workshops, literature competitions and many more. In the last two months, the club conducted writing competition on the occasion of raksha bandhan and the best writings were rewarded.

They also conducted a set of events to bring out the unique talent among the students and this event titled pop corn time, turned out to be a huge success with more than 1000+ participation. As a part of harshotsavam, events like sahithya prasnavali, akshara kheli and many more were conducted. This event also saw a good participation from students. A guest lecture with yendamuri verendranath gaaru, an indian writer was organised. As part of sankranthi, rangoli, quiz and writing competition along with second guest lecture by kiran abbavaram gaaru, an indian actor. It proved to be an interactive session. A telugu literature workshop, as a part of campus development activity was organised, in which 3 professors who are proficient in telugu literature shared their views. Akshara also worked on posters which were posted in different social media handles to keep up with the audience frequently.

Music Troupe

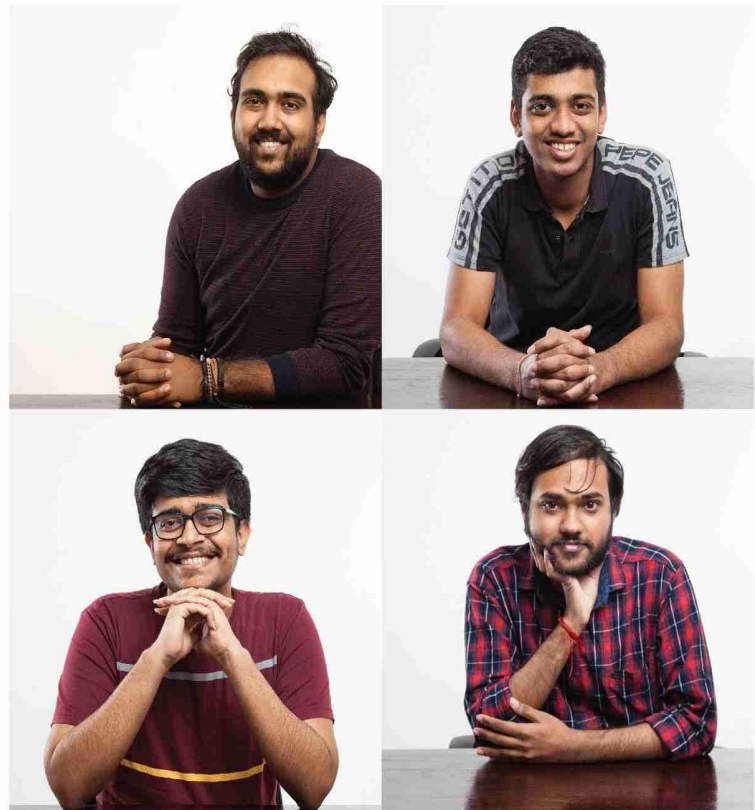
Music Troupe, the Music club of NITT are a bunch of music enthusiasts who love to come together and jam tunes. They represent NITT in inter-college music events and release cover songs, own compositions, and host competitions in social media. During January and February, they participated in Tarang, the Easter Fusion Band Competition of Saarang IITM and bagged the 3rd position, for our own composition, "En Magane ". The song is a first-person narrative of a widowed mother's rage at God, at a temple, as she mourns for her son. Also, this year's virtual TEDx NITTrichy commenced with 2 songs performed by the club members. They also judged "Symphony", the solo singing competition conducted by Festember.



Forbes 30 under 30 features two students of NITT as its young game changers

Mehul Nath Jindal and Eeshan Sharma, two final year students of NIT Tiruchirappalli are the face of BharatX, a fintech firm that delivers seamless embedded credit experiences on e-commerce platforms for the middle-class Indian family. Recently in the Forbes' 30 under 30 list of Indians, the duo was featured as one of the youngest disruptors and game changers in India. Mehul Nath Jindal, a student of EEE department and a native of Rajasthan and Eeshan Sharma, student of Mechanical Engineering and native of Delhi have been inspired by the wave of financial technology revolutions, took up to work on their own project to provide hassle-free credit services on board e-commerce websites to simple middle-class families using it. Their new firm allows online businesses to integrate credit-as-a-feature on payment interfaces with zero risk and zero operational hassles. BharatX already has three such unique features Khata, Try and Buy

and Pay Later that are ready to be integrated into any payment gateways. But the specialty of BharatX lies in its service to enable businesses to design their own credit feature with "less than 30 lines of code" and integrate it as their own without the label, which is called white-label embedding.



In his interaction with us, Mehul says that the very entrepreneurial and the digital savvy culture within NITT had helped him forward to act out on his ideas.

DAA AND YAA AWARDS

The Distinguished Alumni Award and Young Achievers' Alumni Award for the year 2021, were awarded to a total of 17 alumni for their excellence in various domains which include academic, research, innovation, invention, corporate, industry, entrepreneurial venture and public administration.



Sl.No	Name	Batch	Designation	Company
1	DR.JEYAKAR VEDAMANICKKAM	EEE'1976	RETD GM AEROSPACE	HAL
2	MR.GOPINATH KALLAYIL	EEE'1984	CHIEF EVANGELIST	GOOGLE
3	DR.KARUPPAIAH N	MECH'1984	ADDITIONAL DIRECTOR	NATRAX
4	MR.GOVIND IYER	MECH'1984	CONSULTANT	ZEHNDER
5	MR.SAUMEN BHAUMIK	EEE'1989	CEO-EYE CARE DIVISION	TITAN COMPANY
6	MR.V.GOPI SURESH KUMAR	CIVIL'1984	DIRECTOR / CMD	RITES LTD
7	MR.SRINIVAS K	MECH'1984	MD & CEO	INDIA 1 PAYMENTS LTD
8	DR. RANGA GODAVARTI	CHEM'1990	VICE PRESIDENT	PFIZER, USA
9	DR.KARTHIKEYANI A V	CHEM'1991	DY.GENERAL MANAGER	IOC,FARIDABAD
10	MR.SEETHARAMAN NARAYANAN	MECH'1984	SENIOR PRINCIPAL SCIENTIST	ADOBE,USA
11	DR.MURALI SITARAMAN	EEE'1983	PROFESSOR	CLEMSON UNIVERSITY USA
12	DR.RAJ IYER	EEE'1992	CHEIF INFORMATION OFFICER, US ARMY	PENTAGON, USA
13	DR.P.T.R PALANIVEL THIAGARAJAN	CHEM'1987	MINISTER OF FINANCE & HUMAN RESOURCES	GOVERNMENT OF TAMILNADU
14	MR.SHANMUGHARAJ M	ECE'1979	CEO	ACACIA COMMUNICATIONS USA
15	MR.SRIVATSAN K	CHEM' 1974		SUBHASRI PIGMENTS PVT. LTD. ANKLESHWAR,GUJARAT
16	MR.KARTHIKEYAN KRISHNASWAMY	CSE'1985	PROMOTER	K VENTURES
17	DR.ING SRINIVASAN R	CHEM'2012	ASSISTANT PROFESSOR	CENTRE FOR SUSTAINABLE TECH.,IISC,BANGALORE

OTHER ALUMNI ACHEIVEMENTS



Commodore Anil Marya, an alumnus of the 1990 batch at NIT Trichy was awarded the Nausena Medal for his distinguished services and devotion to duty.

Collector V. Vishnu, an alumnus of NIT Trichy created an app to promote free and fair elections. "Vaakuchavadi Vazhikaatti" is a GIS-based app that can guide voters to their polling booths from their residence as well as provide 360-degree visuals of each booth to reduce malpractice.

This along with several other initiatives he undertook for the conduct of elections were lauded as 'Best Electoral Practices' by the Election Commission of India. Mr Vishnu won his award for his Information Technology initiatives employed during Assembly polls.

We are extremely elated and take pride in all our alumni who put themselves before the country. We are extremely proud of our alumni and wish them the best. With the bar set high, we hope that the subsequent batches carry forward the rich legacy of this institute.



Nitt

Feedback : newsletter@nitt.edu

JANUARY - FEBRUARY 2022

PUBLISHED BY

PUBLIC RELATIONS AND MEDIA TEAM

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Office of the PR & Media

COMPILED BY

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VOLUME 04 ISSUE 01