

Quarterly Newsletter

Volume No. 01, Issue No. 03, January – March 2025

About the Council



Thiru. M. K. Stalin

Honourable Chief Minister

The Council was established in the year 1984 as an Autonomous Apex Body. It promotes **socio-economic** development through **Science & Technology** in Tamil Nadu by **16 State supported** and **5 DST supported Science & Technology schemes** for the benefit of people of Tamil Nadu.



Thiru. Udhayanidhi Stalin
Honourable Deputy Chief Minister

Message

I am delighted to present the activities of the Council in promoting science and technology across our state with a deep sense of joy and satisfaction from January to March 2025. The Council expanded its outreach across all **38 districts of Tamil Nadu** to promote basic sciences—Mathematics, Physics, Chemistry and Biology—garnering enthusiastic participation, especially from school students. Also collaborated with educational institutions to **empower vulnerable communities** through skill-based training and entrepreneurship support for sustainable livelihoods.

A key milestone was the establishment of the **Intellectual Property Facilitation Centre (IPFC)** to support MSMEs, **boost innovation, enhance placements** and **promote entrepreneurship**.

In honour of **Nobel Laureates Sir C.V. Raman** and **Dr. S. Chandrasekar**, the Council transformed their spaces at **Presidency College, Chennai**, into **Mini Museums**—now **iconic scientific landmarks**. We thank **Hon'ble Deputy Chief Minister Thiru. Udhayanidhi Stalin** for inaugurating these museums, supported by the Tamil Nadu State Council for Science and Technology.

We also thank **Dr. Govi Chezhaan, Hon'ble Minister for Higher Education** and **President of the Council** for his constant support and encouragement in all our endeavors. A special note of thanks to **Thiru C. Samayamoorthy, I.A.S., Secretary to Government, Department of Higher Education** and **Vice President of the Council**, for his exceptional guidance and continued support in implementing the Council's schemes for the benefit of our state.

Additionally, our sincere thanks to **Thiru. Ma. Subramanian, Hon'ble Minister for Health & Family Welfare**, **Thiru. Anbil Mahesh Poyyamozhi, Hon'ble Minister for School Education**, **Dr. M. Mathiventhan, Hon'ble Minister for Adi Dravidar Welfare** for their gracious participation in the Council's programmes.



Prof. Dr. S. Vincent
Member Secretary



Dr. Govi Chezhaan

Honourable Minister for
Higher Education



Thiru C. Samayamoorthy
I.A.S.,
Secretary to Government,
Department of Higher
Education

Highlights



Hon'ble Deputy Chief Minister Thiru. Udhayanidhi Stalin inaugurated the Mini Museums dedicated to the two Noble Laureates Sir C.V. Raman and Dr. S. Chandrasekar at Presidency College, Chennai supported by Tamil Nadu State Council for Science and Technology



Hon'ble Minister for Higher Education Dr. Govi Chezhaan and Hon'ble Minister for Health & Family welfare Thiru. Ma. Subramanian inaugurated Hands-on training program for marginalized sector on Spirulina Cultivation and its value addition at Government Arts College, Nandanam



National Science Day Celebrations

In collaboration with National Council for Science and Technology Communication (NCSTC), New Delhi, Tamil Nadu State Council for Science and Technology (TNSCST) has organised National Science Day in 10 Centres covering all the 38 districts of Tamil Nadu during February 2025. The purpose of this programme is to cultivate students' interest in science, inspire them to explore new experiments, and increase their awareness on scientific advancements. It also emphasizes the importance of science in everyday life.

The theme for National Science Day 2025 is **"Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat"**. The collaborative institutions have hosted innovative exhibitions showcasing scientific advancements and creativity. In addition, Quiz, Drawing, Speech Competitions, Science Kit Making, Video Making, Invited Talks, Rally, Seminar/ Workshops etc were conducted. The grand finale is celebrated at Presidency College by showcasing an Innovative Scientific Exhibition on 28th February, 2025.

Total Beneficiaries: 12000 Students from 70 Institutions

Collaborative Institutions



- Presidency College, Chennai
- PSG College of Arts and Science, Coimbatore
- Trinity College for Women, Namakkal
- Sarah Tucker College, Tirunelveli
- Anna University, BIT Campus, Trichy
- Kunthavai Naacchiyar Government Arts College for Women, Thanjavur
- KMG College of Arts and Science, Gudiyattam
- Arul Anandar College, Madurai
- Ayya Nadar Janaki Ammal College, Sivakasi
- National Higher Secondary School, Mannargudi

Experiencing the classroom where the legendary Dr. C. V. Raman learned



Before Refurbishment



After Refurbishment

Sir C.V. Raman Spectrometer



National Mathematics Day Celebrations

Event Highlights

Participation Overview

- No. of Nodal Centres: 14
- Total No. of Institutions Participated: 363
- Total No. of Distinct Events Conducted: 19
- Total No. of Events Conducted: 72

Gender Distribution

- Male Participants: 7,699 (42.34%)
- Female Participants: 10,424 (57.66%)

Beneficiaries

- No. of Students: 12,077 (86%)
- No. of Faculty Members: 718 (4.88%)
- General Public Participants: 1,246 (9.12%)

Total Beneficiaries:

- Event-wise: 18,428*
- Individual: 14,041



*Event-wise count is higher as some students participated in multiple events.



SC/ST Cell - Training Programmes

A total of 39 Science and Technology based training programmes have been conducted in Virudhunagar, Madurai, Theni, Dindigul, Sivagangai, Ramanathapuram, Perambalur, Chennai and Villupuram districts through SC/ST cell. A total of 959 people from the marginalized sector belonging to nine districts was trained to develop their entrepreneurial skills.

Madurai

- Centre for Millet-based Livelihood Enhancement and Sustainability (C-MILES) was inaugurated at Mannar Thirumalai Naicker College followed by three day Hands-on training on production of value added millet products and entrepreneurial skill development from 28th to 30th January 2025. Second hands-on training on millet value addition was held from 19th to 21st March 2025. C-MILES will be used as an incubation Centre after the training to promote the trained participants into entrepreneurs.
Beneficiaries: 50 SC/ST people.
- Hands-on training programme on Stall fed goat rearing technology were conducted in three batches at Veterinary University Training and Diagnostic Centre, Madurai.
 - Batch I during 4th to 6th March 2025
 - Batch II during 11th to 13th March 2025
 - Batch III during 18th to 20th March 2025**Beneficiaries:** 75 SC/ST people.

Villupuram

- Hands-on training programme on Dairy management were conducted in three batches at Veterinary University Training and Diagnostic Centre, Villupuram.
 - Batch I during 3rd to 5th March 2025
 - Batch II during 14th to 17th March 2025
 - Batch III during 24th to 26th March 2025**Beneficiaries:** 75 SC/ST people.
- Hands-on training programme on Organic Manure preparation were conducted in three batches at Krishi Vigyan Kendra, TNAU, Villupuram.
 - Batch I during 26th to 28th February 2025
 - Batch II during 5th to 7th February 2025
 - Batch III during 12th to 14th March 2025**Beneficiaries:** 75 SC/ST people.



Millet Value addition training



Modern Goat Rearing



Dairy Technology



Organic Manure Preparation

Chennai

- Two day Hands-on training programme on Spirulina Cultivation and its value addition was conducted during 8th & 10th February 2025 at Government Arts College, Nandanam. Training program was inaugurated by the Honorable Minister for Higher Education Dr. Govi Chezhiaan and Hon'ble Minister for Health and Family welfare Thiru. Ma. Subramanian.

Beneficiaries: 35 SC/ST people.



Dindigul

- Exclusive website (www.papuko.com) has been launched on 10th March 2025 at Mother Teresa Women's University, Kodaikanal to promote e-marketing of tribal products of Kodaikanal hills and bio-based jewellery and home decors produced by SC/ST beneficiaries trained out of this training. Hands-on training on Bio-based Jewellery were conducted to the tribal population of Perunkadu and Pallangi Village of Kodaikanal hills, Dindigul district from 11th to 12th March 2025.

Beneficiaries: 13 SC/ST people.



Website launching & Inauguration of Tribal Products Stall

Ramanathapuram

- Two day Hands-on training programme on Clown fish breeding and one day field visit to Centre for Advanced Studies in Marine Biology, Annamalai University, Parangipettai were conducted in three batches.
 - Batch I at Rajiv Gandhi Centre for Aquaculture, Uppoor during 19th & 20th February 2025.
 - Batch II at Sethupathy Govt. Arts College, Ramanathapuram during 21st & 22nd February 2025.
 - Batch III at School of Marine Science, Alagappa University, Thondi Campus during 8th & 9th February 2025.

Beneficiaries: 81 SC/ST people.

- Hands-on training programme on value added palm products were conducted in three batches at Krishi Vigyan Kendra, Ramanathapuram.

- Batch I during 13th to 15th February 2025
- Batch II during 26th to 28th February 2025
- Batch III during 12th to 14th March 2025

Beneficiaries: 75 SC/ST people.



Marine Ornamental Fish Breeding training



Perambalur

- Hands-on training programme on Poultry farming were conducted in three batches at Krishi Vigyan Kendra, Perambalur.
 - Batch I during 19th to 21st February 2025
 - Batch II during 26th to 28th February 2025
 - Batch III during 5th to 7th March 2025
- Beneficiaries:** 75 SC/ST people.



Sivagangai

- Hands-on training programme on Poultry farming were conducted in three batches at Krishi Vigyan Kendra, Kundrakudi.
 - Batch I during 5th to 7th March 2025
 - Batch II during 10th to 12th March 2025
 - Batch III during 17th to 19th March 2025
- Beneficiaries:** 75 SC/ST people.



Theni

- Hands-on training programme on value addition of vegetables, fruits and plantation crops.
 - Batch I during 12th to 14th February 2025 (exposure visit to Agribusiness Incubation Center, Vanavaryar Institute of Agriculture, Pollachi)
 - Batch II during 17th to 19th February 2025 (exposure visit to ICAR NRCB, Trichy)
 - Agribusiness incubation Centre for value addition of Vegetables, fruits and plantation crops was inaugurated at Krishi Vigyan Kendra, Cendect on 10th March 2025
 - Batch III during 10th & 11th January 2025 (field visit to NIFTEM, Thanjavur and Suga Diet Natural Foods, Thiruvaiyaru)
- Beneficiaries:** 75 SC/ST people.
- Hands-on training programme on Mushroom cultivation and its value addition were conducted at Jayaraj Annapackiam College for Women in three batches.
 - Batch I during 4th to 6th February 2025
 - Batch II during 18th to 20th March 2025
 - Batch III during 25th to 27th March 2025
- Beneficiaries:** 75 SC/ST people.

Virudhunagar

- Dairy Based Value-Added Products Manufacturing and Entrepreneurship Training Centre was inaugurated at Sri. S. Ramasamy Naidu Memorial College, Sattur on 27th January 2025 followed by three day Hands-on training on production of value added Dairy products and entrepreneurial skill development was conducted.
 - Batch I during 28th to 30th January 2025
 - Batch II during 3rd to 5th February 2025
 - Batch III during 10th to 13th February 2025
- Beneficiaries:** 50 SC/ST people.
- Hands-on training programme on house hold electrical appliances troubleshooting were conducted at Sri. S. Ramasamy Naidu Memorial College, Sattur.
 - Batch I during 8th to 10th January 2025
 - Batch II during 22nd to 24th January 2025
- Beneficiaries:** 50 SC/ST people.
- Hands-on training programme on value added products from Moringa at Krishi Vigyan Kendra, TNAU, Virudhunagar.
 - Batch I during 18th to 20th February 2025
 - Batch II during 5th to 7th March 2025
 - Batch III during 11th to 13th March 2025
- Beneficiaries:** 75 SC/ST people.





Science Exposure Programme

TNSCST in collaboration with Meghalaya State Council for Science and Technology organized a Science Exposure Trip for a group of students and teachers from Meghalaya. The programme aimed at fostering scientific awareness and exposure to various educational, research and industrial setups from 10th to 27th January 2025.

A total of 147 members including 101 students and 46 teachers were divided into four batches for the trip, which included visits to prestigious educational & research institutions, science centres and industries in Tamil Nadu.



Member Secretary Prof. Dr. S. Vincent delivered Inaugural Address to Meghalaya School Students and Teachers with inspiring messages



Meghalaya Students and Teachers with Hon'ble Minister for School Education Thiru. Anbil Mahesh Poyyamozhi @ Anna Centenary Library

Prominent places visited:

- Indian Institute of Technology Madras (IITM)
- Anna Centenary Library, Chennai
- Tamilnadu Science and Technology Centre, Chennai
- HATSUN Dairy Products Ltd (Arun Ice Creams), Red Hills
- TN Co-operative Milk Producers' Federation Ltd (Aavin), Chennai
- Central Marine Fisheries Research Institute (CMFRI), Chennai



At our Council Premises



Biotechnology Lab, IIT- Chennai



Periyar Science and Technology Centre, Chennai



HAP-Arun Ice cream Factory, Red Hills



Anna Centenary Library, Chennai



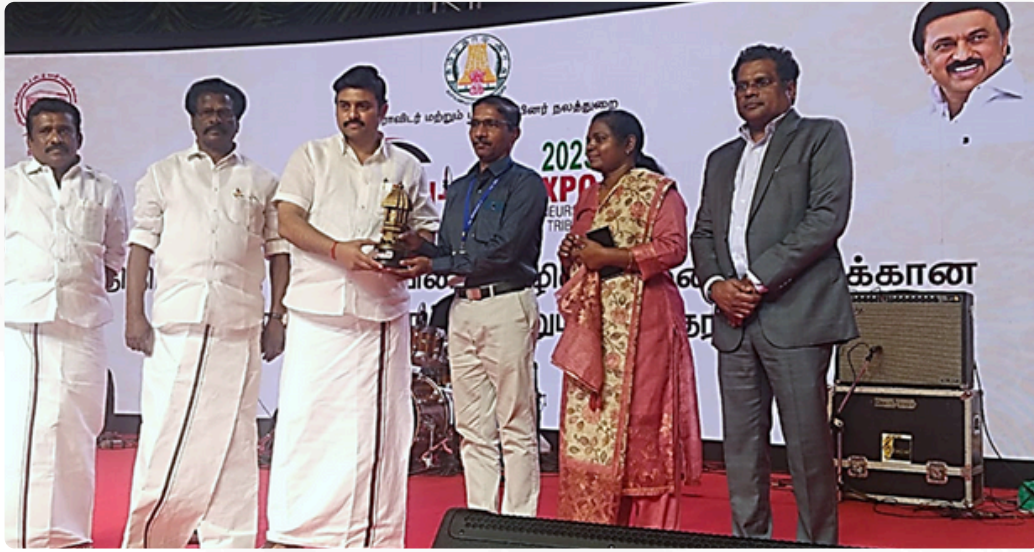
Aavin dairy- Tamilnadu Co- Operative Milk Producers' Federation Limited



Central Marine Fisheries Research Institute (CMFRI) - Madras Regional Station

Patent Information Centre (PIC)

The major objectives of the Patent Information Centre (PIC) are not limited in creating the Intellectual Property Rights (IPR) awareness to the public either directly or through the PIC established IPR cells and facilitating for IP filings within the state. From January to March 2025, IPR awareness was also created by organizing various workshops and by participating in the TN BEAT EXPO 2025.



Dr. M. Mathiventhan, Hon'ble Minister for Adi Dravidar Welfare of Tamil Nadu presented PSU memento to TNSCST, Chennai



GTN College Receives Appreciation from NIPAM for IPR Promotion



TN BEAT EXPO 2025

- K. Ramakrishnan College of Technology, Tiruchirappalli has organized IDEA Screening Camp.
Beneficiaries: 45 participants
- Thanthai Hans Roever College, Perambalur organized a State Level Workshop on "From Filing to Fortune: Transforming IP into Competitive Business Advantage". **Beneficiaries:** 150 participants.
- Sacred Heart College, Tirupattur has conducted Workshop on Foundation of Intellectual Property Rights: A Workshop for Young Innovators.
Beneficiaries: 100 participants
- KSR College of Technology, Namakkal organised Faculty Development Program (FDP) titled "IPR to Startup: Guide to Research – IP Career & Startup Ecosystem".
Beneficiaries: 50 participants





- Bharathiar University, Coimbatore has organized Faculty Development Programme on IPR: Translating Research from Campus to World. **Beneficiaries:** 125 participants
- Nehru Group of Institutions, Coimbatore has organized workshop on Geographical Indications in the India context where Prof. Dr. Usha Raja Nanthini, Mother Teresa Women's University, Kodaikanal provided deep insights into the significance of Geographical Indications (GIs) in protecting India's rich cultural and traditional heritage. **Beneficiaries:** 108 participants.
- Sri S. Ramasamy Naidu Memorial College, Sattur organised IPR awareness Programme. **Beneficiaries:** 200 participants.
- The Tamil Nadu Dr. M.G.R. Medical University, Chennai, conducted a Workshop on Intellectual Property Rights. **Beneficiaries:** 160 participants.
- Madurai Kamaraj University has organized workshop titled "Navigating the World of IPR: Filing, Technology Transfer, and Commercialization" at the MKU RUSA Building to disseminate the knowledge over intellectual property rights to various stakeholders. **Beneficiaries:** 100 participants.
- Mannar Thirumalai Naicker College, Madurai has successfully organized an IPR Awareness Programme on Empowering Innovators and Creators. **Beneficiaries:** 200 participants.



Intellectual Property Facilitation Centre (IPFC)

The IPFC, supported by the Ministry of MSME, empowers MSMEs by offering cost-effective intellectual property support to foster innovation, entrepreneurship, and market competitiveness. By offering expert guidance on IP filings, legal support, and awareness programs, the IPFC seeks to bridge the gap between MSMEs and the complex world of intellectual property, ensuring that their valuable ideas are safeguarded and leveraged to their fullest potential.

- Online Webinar on "Intellectual Property Rights for MSMEs" was conducted on 11th February 2025 as a part of MSME Innovative Scheme in collaboration with the Patent Office and MSME Development & Facilitation Office, Chennai.

Beneficiaries: 25 UDYAM Registered Persons

- Awareness program on "Intellectual Property Rights for MSMEs" was conducted on 12th March 2025 as a part of MSME Innovative Scheme in collaboration with the MSME Development & Facilitation Office, Government of India, Chennai.

Beneficiaries: 65 UDYAM Registered Persons



Popularization of Science

The Self Help Group Members, Farmers, Women, Unemployed youth, school students as well as general public are benefited with the exposure to latest developments in Science and Technology so that they are enabled / motivated to adapt science to enhance their skill level and improve livelihood opportunities.

- Workshop on **Digital Horizons through IoT Education for Rural Students** conducted at National Engineering College, Kovilpatti during 3rd & 4th January 2025.

Beneficiaries: 60 school students were trained (31 Male and 29 Female Students)



Sessions handled by Dr. Simiyon, Asst. Director, MSME and Industry Expert

- **Empowering Tomorrow: The Synergy of Robotics and AI in Power Engineering** conducted at RP Sarathy Institute of Technology, Kadayampatti, Salem during 27th to 29th January 2025.

Beneficiaries: 187 Engineering Students were trained (120 Male and 67 Female Students)



Lecture session on Robotics & AI



Demonstration session on Robotics & AI





Awareness Programme on Microplastics and Human Health

- TNSCST in collaboration with the Centre for Energy Storage Technologies (CEST), Anna University, Chennai, organized a workshop on Microplastics and Human Health on 8th February 2025. This programme brings together leading experts, professors, Research scholars and students to discuss the rising concern of Microplastics and the challenges of ensuring good human health.
- Theme:** Say no to plastic before plastic says no to life
- Target Group:** 180 Research Scholars and Students.

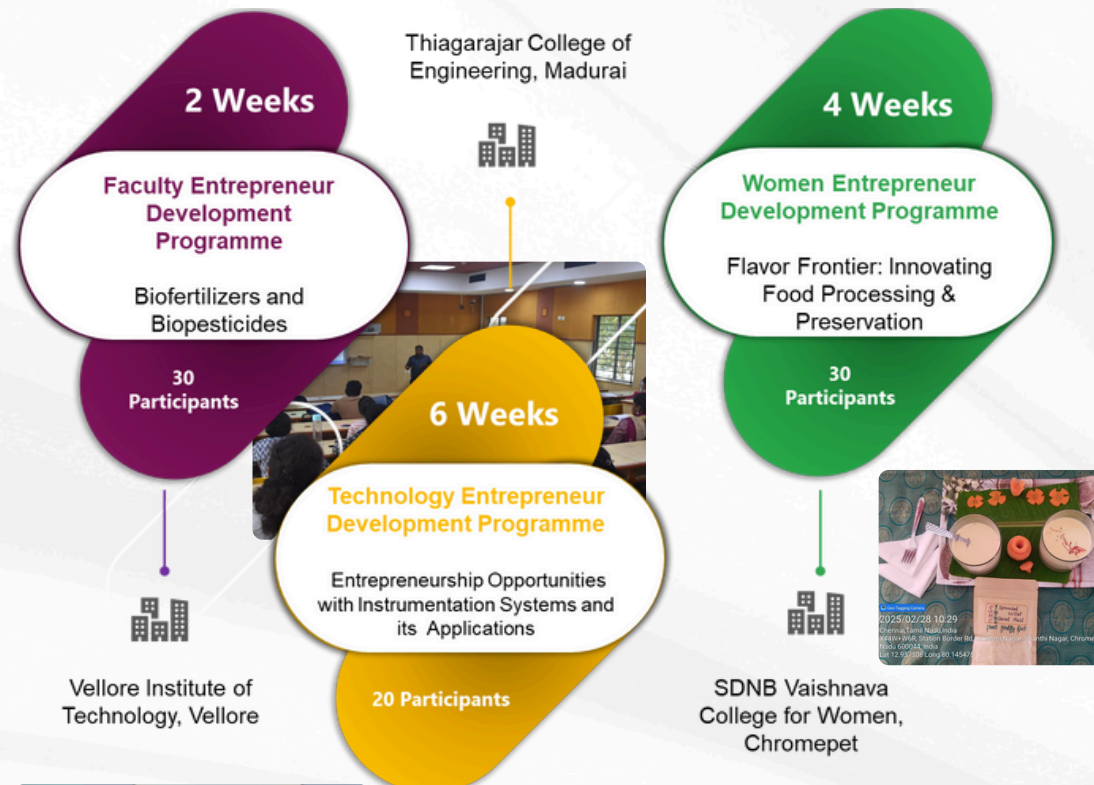


Entrepreneur Development Programmes (EDP)

The Department of Science and Technology (DST), Government of India, has sanctioned three key training programmes to foster entrepreneurship:

- Women EDP** – A four-week programme empowering women S&T graduates to become entrepreneurs.
- Technology EDP** – A six-week training for aspiring entrepreneurs in technology-driven sectors.
- Faculty EDP** – A two-week faculty training on bio-fertilizers and bio-pesticides to promote sustainable agriculture.

These initiatives drive innovation, self-reliance and economic growth.



WEDP on Flavor Frontier



FEDP on Biofertilizers and Biopesticides



TEDP





Quality Improvement of Science Education in Rural Schools

This programme enhanced the quality of science education, particularly for rural school students. Science teachers handling challenging topics from 6th to 8th standard were identified and given specialized training and exposure, leading to improved subject knowledge and more effective teaching practices.

Beneficiaries: 500 Govt. School Teachers

Collaborative Institutions

- Govt Arts College, Dharmapuri
- St. Antony's College of Arts and Science for Women, Dindigul
- Presidency College, Chennai
- S. T. Hindu College, Nagercoil
- Edayathangudy G.S. Pillay Arts & Science College, Nagapattinam
- KSR College of Arts and Science, Namakkal
- Govt Arts and Science College, Perambalur
- Loganatha Narayanaswamy Govt. Arts College, Ponneri
- Shanmuga Industries Arts & Science College, Tiruvannamalai
- National College, Tiruchirappalli



Physics Lab demonstration at Shanmuga Industries Arts & Science College, Tiruvannamalai



Brain Storming Session on Science & Technology

A brainstorming session on the schemes and projects of TNSCST was held on 7th January 2025. The session was presided over by Prof. Dr. S. Vincent, Member Secretary and followed by the National Experts Panel, including Prof. T. Balasubramanian, Former Vice-Chancellor of Chettinad Academy of Research & Education, Prof. N. R. Jegannathan, Former Professor of AIIMS, New Delhi and Dr. N. Senthilkumar, Professor at Mizoram University have provided valuable insights on enhancing project effectiveness, developing innovative strategies, and integrating interdisciplinary approaches. Council scientific officers actively participated in this session. This collaborative effort is expected to advance Council's mission to promote scientific research and technological development in Tamil Nadu.



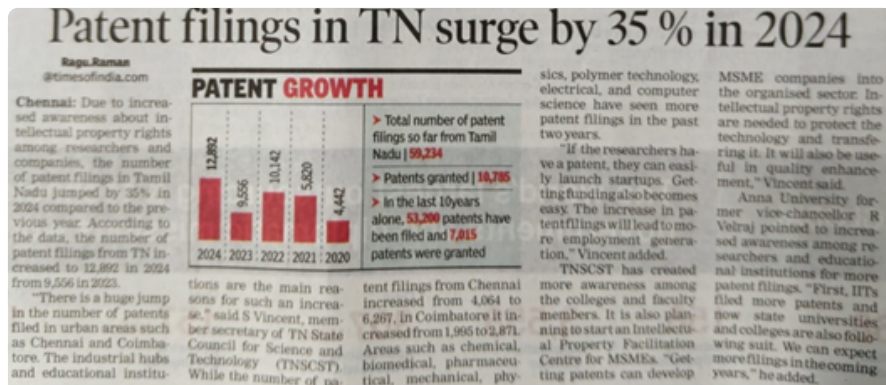
Workshop on NMR Spectroscopy for Rural Students

Workshop on NMR Spectroscopy for Rural Students, organized in collaboration with Department of Chemistry, Indian Institute of Technology Madras, Chennai on 23rd & 24th January 2025. This workshop aimed to provide in-depth knowledge and practical insights into the fascinating world of Nuclear Magnetic Resonance spectroscopy, designed specifically to support rural students in enhancing their scientific understanding and skills for Rural Students of the Tamil Nadu State. This programme benefited 100 rural students and sparked their interest in research.



Geographical Indication Filed for Vandavasi Korai Paai

PIC of TNSCST along with the applicant, Vandavasi Kaithemillath Korai Paai Viyabarigal Nala Sangam, Vandavasi, facilitated by Mother Teresa Women's University, Kodaikanal, submitted a GI application(No. 1447) for "Vandavasi Korai Paai" on 11th February 2025.

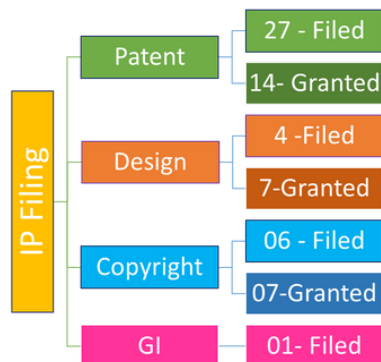


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IP Outcomes



Noorul Islam Centre for Higher Education (NICHE) have successfully secured a copyright from the Copyright Office, Government of India, for their pioneering work titled Digital Water Technology.

IPR Cells Received Patent certificates



Staff Achievements

- Dr. B. Senthilkumar has recognized as **Top 2% Scientist worldwide in 2024** by **Stanford University, USA** and **Elsevier** and published 2 papers in the reputed journal **The Lancet**.



Editorial Board Members

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