

**(Tod-Phod-Jod) on 24.08.2025.**

Photo gallery - DSTE- PCS&T- Conducted Awareness Programme on Break & Make (Tod Phod Jod) for Innovation Hub members at Dr. Abdul Kalam Science Centre and Planetarium on 24.08.2025 (Sunday) on this Programme 82 Students Participated.

The “Break & Make” initiative is designed to encourage creativity, innovation, and hands-on learning. It provides students with a platform to explore electronics and hardware in a practical way by dismantling and reassembling devices, thereby understanding their working principles. This activity not only enhances technical skills but also nurtures problem-solving abilities and builds confidence in handling real-life challenges of the Students.





## (Workshop & Demonstration) on 31.08.2025

Photo gallery - DSTE- PCS&T- Conducted Rocketry & Aeromodelling (Workshop & Demonstration) for Innovation Hub members at Dr. Abdul Kalam Science Centre and Planetarium on 31.08.2025 (Sunday) on this programme 84 students Participated.

This workshop is not just about building models or flying rockets it is about igniting curiosity, nurturing creativity, and fostering scientific thinking. Rocketry and Aeromodelling stand at the intersection of aerodynamics, physics, and imagination, offering a hands-on experience that brings textbooks to life. Through today's program, you will gain exposure to the principles of design, thrust, lift, propulsion, and flight stability, while also experiencing the joy of experimentation and innovation. More than technical knowledge, this workshop is about dreaming big about touching the skies, just like the pioneers of aerospace who turned imagination into reality.







## Robotics Competition

The Puducherry Council for Science and Technology (PCS&T) organized a Competition on Robotics at the Dr. Abdul Kalam Science Centre and Planetarium, Lawspet, Puducherry. The event was conducted to promote creativity, problem-solving, and innovation among the student members of the Innovation Hub.



The programme commenced with a warm welcome address. On behalf of the Commissioner-cum-Secretary (S,T&E) / Chairman (EC, PCS&T), the gathering was cordially welcomed, and special acknowledgment was extended to Mr. Murugan, Lecturer, EEE Department, Motilal Nehru Government Polytechnic College, Puducherry, who graced the occasion as the Judge for the competition. His presence and expertise in the field of Electrical and Electronics Engineering added great value to the event.

Officials from the Department of Science, Technology and Environment, staff members of PCS&T, and enthusiastic participants from the Innovation Hub attended the programme. The event provided a vibrant platform for students to demonstrate their technical knowledge, innovative thinking, and programming skills in the field of robotics.

The Robotics Competition aimed to inspire young innovators to explore automation and technology through hands-on experience. Participants showcased their creative designs and problem-solving approaches in developing robots capable of performing specific tasks efficiently.



Quoting the words of Dr. A.P.J. Abdul Kalam — “Science is a beautiful gift to humanity; we should not distort it.” — the event emphasized the importance of pursuing science and technology with ethics, creativity, and dedication.

The competition concluded successfully with active participation, enthusiastic presentations, and constructive feedback from the judge. The programme served as a great motivation for budding technologists to pursue their innovative ideas in the field of robotics and automation.

The participants showcased their innovative robotic models and explained the underlying principles and mechanisms to the panel. The judge evaluated the projects based on design, functionality, innovation, and presentation. The event concluded with appreciation for the participants' enthusiasm and creativity, motivating them to continue exploring advancements in robotics and automation.



The Robotics Competition successfully inspired the young minds to think beyond the ordinary and apply scientific knowledge for real-world problem-solving, aligning with PCS&T's vision of nurturing innovation and technological excellence among students.

### **IPR Awareness Programme**

The Puducherry Council for Science and Technology (PCS&T) organized a IPR Awareness Programme at the Dr. Abdul Kalam Science Centre and Planetarium, Lawspet, Puducherry. The programme was conducted with the objective of creating awareness among students and young innovators about the significance of Intellectual Property Rights in safeguarding creativity, innovation, and technological advancements.

The programme commenced with a warm welcome address. On behalf of the Commissioner-cum-Secretary (S,T&E) / Chairman (EC, PCS&T), Special appreciation

was conveyed to the resource person, Mr.M.Veerakumar, Vocational Instructor, Kalaignar Karunanithi Government Higher Secondary School, Puducherry, for graciously accepting the invitation and sparing his valuable time to deliver a special technical talk on Intellectual Property Rights. His presence added great value to the programme, considering his experience and expertise in the field.



During the IPR Awareness Programme was highlighted. Intellectual Property Rights play a vital role in protecting original ideas, inventions, artistic works, and innovations from unauthorized use or infringement. For Innovation Hub members who are actively involved in developing innovative models, prototypes, and research outputs, awareness of IPR is essential to ensure legal protection and recognition of their intellectual efforts.

The programme emphasized that proper understanding of IPR not only safeguards innovation but also encourages creativity, promotes commercialization of ideas, and contributes to national economic growth. It was pointed out that lack of awareness often leads to loss of ownership rights, misuse of ideas, and missed opportunities for innovators. Hence, such awareness programmes are crucial for nurturing a culture of innovation and responsible research among students.



The presentation covered the following key topics:

- Introduction to Intellectual Property Rights
- Types of IPR: Patents, Copyrights, Trademarks, Industrial Designs, and Geographical Indications
- Importance of protecting intellectual property
- Eligibility criteria and basic procedures for filing patents and copyrights
- Common mistakes made by innovators regarding IPR
- Role of IPR in innovation, startups, and entrepreneurship

The resource person explained complex concepts in a simple and engaging manner, using real-life examples and case studies to help participants relate theory to practice. Special emphasis was laid on patents and their relevance to students involved in innovative projects and research activities.

The technical session was followed by an interactive discussion, during which the participants actively raised questions related to IPR registration, ownership rights, patent filing costs, and the process involved in protecting innovative ideas developed at the student level. The resource person patiently addressed all queries and clarified doubts, making the session highly engaging and participatory.

The IPR Awareness Programme organized by the Puducherry Council for Science and Technology on 14.12.2025 was conducted successfully and achieved its intended objectives. The programme significantly contributed to enhancing the awareness and understanding of Intellectual Property Rights among the Innovation Hub members.



Such initiatives play a pivotal role in nurturing informed, responsible, and innovation-driven students who can contribute meaningfully to scientific and technological development. PCS&T's continuous efforts in organizing awareness programmes are commendable and will undoubtedly have a long-term positive impact on the student community.

The programme concluded with a note of gratitude to the resource person, participants, and organizing team for their valuable contributions and active involvement in making the event a grand success

## Artificial Intelligence (AI) Awareness Programme

The Puducherry Council for Science and Technology (PCS&T) organized an **Artificial Intelligence (AI) Awareness Programme** at the Dr. Abdul Kalam Science Centre and Planetarium, Puducherry. The programme was conducted with the objective of creating awareness among students and young innovators about the fundamentals, applications, and significance of Artificial Intelligence in driving innovation, automation, and technological advancement.

The programme commenced with a warm welcome address. On behalf of the Commissioner-cum-Secretary (Science, Technology & Environment) / Chairman (Executive Council, PCS&T), special appreciation was conveyed to the resource person, **Mr. R. Kamalakannan**, Assistant Professor, Information Technology, Saradha Gangadharan College, Velrampet, Puducherry, for graciously accepting the invitation and sparing his valuable time to deliver an insightful technical talk on Artificial Intelligence. His expertise and experience in the field significantly enriched the programme.



During the programme, the importance and growing relevance of Artificial Intelligence across various sectors were highlighted. Artificial Intelligence plays a crucial role in transforming industries through intelligent systems capable of learning, reasoning, and decision-making. For Innovation Hub members actively involved in developing innovative models, applications, and research-based solutions, awareness of AI concepts and tools is essential to remain competitive and future-ready.



The programme emphasized that a clear understanding of Artificial Intelligence not only enhances problem-solving capabilities but also fosters creativity, supports data-driven innovation, and contributes to economic and technological development. It was pointed out that limited awareness and exposure to AI technologies may restrict students from exploring emerging career opportunities and innovative applications. Hence, such awareness programmes are vital for nurturing a technology-driven and innovation-oriented mindset among students.

The technical presentation covered the following key topics:

- Introduction to Artificial Intelligence
- Evolution and scope of AI
- Key domains of AI: Machine Learning, Deep Learning, Natural Language Processing, and Computer Vision

- Real-world applications of AI in healthcare, education, industry, and smart systems
- Ethical considerations and responsible use of AI
- Role of AI in innovation, startups, and future careers



The resource person explained complex AI concepts in a clear and engaging manner, supported by practical examples, demonstrations, and real-world use cases. Special emphasis was laid on the relevance of AI for students pursuing innovative projects and research activities.

The technical session was followed by an interactive discussion, during which participants actively raised questions related to AI tools, learning pathways, career opportunities, ethical challenges, and implementation of AI in student-level projects. The resource person addressed all queries patiently and provided valuable guidance, making the session highly interactive and informative.

**The AI Awareness Programme organized by the Puducherry Council for Science and Technology was conducted successfully and achieved its intended objectives.** The programme significantly enhanced awareness and understanding of Artificial Intelligence among the Innovation Hub members.



Such initiatives play a pivotal role in nurturing skilled, responsible, and innovation-driven students who can contribute meaningfully to scientific and technological advancement. PCS&T's continuous efforts in organizing technology awareness programmes are commendable and are expected to have a long-lasting positive impact on the student community.

The programme concluded with a vote of thanks, expressing sincere gratitude to the resource person, participants, and the organizing team for their valuable support and active involvement in making the programme a grand success.

## Nano Technology Awareness Programme

The Puducherry Council for Science and Technology (PCS&T) organized a **Nano Technology Awareness Programme** at the Dr. Abdul Kalam Science Centre and Planetarium, Puducherry, with the theme “**The Power of Nanoscience in Modern Technology.**” The programme aimed to create awareness among students and Innovation Hub members about the fundamentals of nanoscience, its emerging applications, and its growing importance in modern scientific and technological advancements.



The programme commenced with a warm welcome address. On behalf of the Commissioner-cum-Secretary (Science, Technology & Environment) / Chairman (Executive Council, PCS&T), special appreciation was conveyed to the resource person, **Dr. A. Sivagamasundari**, Assistant Professor (Physics), Tagore Government Arts and Science College, Puducherry, for kindly accepting the invitation and sharing her expertise with the participants.

During the session, the resource person delivered an informative and engaging talk highlighting the concept of nanoscience and nanotechnology, explaining how materials at the nanoscale exhibit unique physical and chemical properties. She elaborated on the significant role of nanotechnology in various sectors such as medicine, electronics, energy, environmental protection, and advanced materials.

The talk also emphasized how nanotechnology contributes to the development of smarter devices, efficient energy systems, improved medical diagnostics, and sustainable technological solutions.



The expert further explained real-world examples of nanotechnology applications, including **nano-coatings, nano-sensors, and high-performance materials**, which are transforming industries and improving quality of life. The session inspired the participants to explore research and innovation opportunities in the rapidly evolving field of nanoscience.

The programme witnessed enthusiastic participation from students and Innovation Hub members, who actively interacted with the speaker and clarified their queries during the interactive session. The event successfully enhanced the participants' understanding of nanotechnology and motivated them to engage in scientific innovation and research.

The programme concluded with a vote of thanks expressing gratitude to the resource person for delivering an insightful lecture and to the participants for their active involvement, making the awareness programme a meaningful and successful event.