

SSM Kerala

Swadeshi Science Movement, Kerala, is a popular Science Movement dedicated for the overall development of our country through the intervention of Science and Technology. It has been functioning in the State of Kerala since 1989, focusing on Science Popularization for Social Development. The main activities of Swadeshi Science Movement aim at fostering multi disciplinary approach to local problems and promotion of India's Scientific Heritage. It has been bestowed with two prestigious National Awards by Government of India viz. National Award for Outstanding efforts in Science and Technology Communication (2006-07) by Ministry of Science and Technology, and Jawaharlal Nehru Prize (2005-06) for Science Popularization by INSA.

IIST, Thiruvananthapuram

Indian Institute of Space Science and Technology was established in 2007 by ISRO under the Department of Space, Government of India to promote higher education and research in space sciences, technology, and engineering. IIST Thiruvananthapuram is Asia's first space university and Dr. A. P. J. Abdul Kalam, former President of India, was its first Chancellor. IIST offers regular engineering undergraduate, postgraduate and doctorate programmes with focus on space science, technology and applications. The academic programmes have been formulated to strengthen the fundamentals, experience the realities through practical work, and enhance the knowledge and understanding in the areas relevant and related to space. Also, the programmes so envisaged ensure adequate exposure in the emerging fields which will lead to experience knowledge synthesis.

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SSM-K, ASTN Team

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23 MAY, 2026

**Indian Institute of Space Science
and Technology (IIST), Thiruvananthapuram**



Focal Theme:

**Artificial Intelligence
Machine Learning and Robotics**

Organized by:



IIST
Thiruvananthapuram



Swadeshi Science Movement
Kerala

Supported by:



**APJ Abdul Kalam Technological
University (KTU)**



UST



STUDENT BRANCH
IIST



Arivial Sangam,
Tamil Nadu

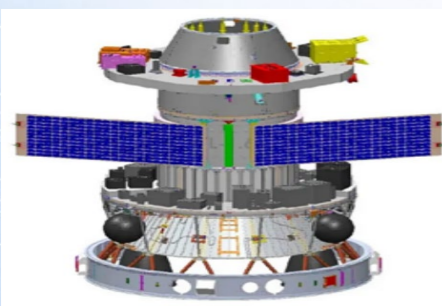


The Swadeshi Science Movement has been organising National Seminar titled 'ARYABHATEEYAM' in memory of the great mathematician Aryabhata who lived in the 5th Century. The subject of the seminar is different every year, focussing on various aspects of science and technology that are of relevance to India. The theme selected this year is 'Artificial Intelligence Machine Learning and Robotics'.

The programme is organised by Swadeshi Science Movement in association with Indian Institute of Space Science and Technology (IIST), Valiamala P.O, Thiruvananthapuram which will host the event on 23 May 2026.

About the Seminar

The integration of Artificial Intelligence (AI), Machine Learning (ML), and Robotics is transforming various aspects of day to day human life and brainstorming intelligent automation in profound ways. AI-powered virtual assistants are revolutionizing applications from household chores, scheduling appointments to managing finances and assisting astronauts in space stations. Systems like self-driving cars and smart homes are efficiently using AI-powered autonomy for increased human safety and comfort. In the field of personalized medicine, AI systems are making a significant impact, allowing for tailored treatments based on individual genetic profiles. Factory shop floors and research facilities are using more and more AI-powered robots to perform maintenance tasks, collect data, and assist in scientific experiments. Such robotics and AI collaboration is expected to shape 'Industry 6.0' in terms of safety, autonomy and reliability with specific focus on machine - optimized production processes, detecting defects, and improving product quality worldwide.



As these technologies continue to evolve, even more exciting developments in the future are expected. Increased autonomy in decision-making and action is becoming a reality, with machines learning to adapt to changing situations and making decisions on their own. Enhanced collaboration between humans and machines is also becoming common, with AI systems working alongside humans to achieve common goals.

The impact of AI, ML, and Robotics is not limited to just industry and research facilities. It's also transforming the way we work, learn, and interact with each other. With the rise of automation, there are concerns about job displacement and security risks. However, many experts believe that while some jobs may become obsolete, new ones will be created demanding high technical skill set. As we move forward, it's essential that we prioritize responsible AI development and deployment. This includes investing in education and retraining programs for workers who may be displaced by automation, as well as developing guidelines and regulations for the use of AI in critical areas such as healthcare and finance.

This Seminar is intended to motivate the students to take up this area as their profession and contribute in a significant way, so as to enable the nation active the goal of Viksit Bharat by 2047.

Highlights

- Best BTech Project Competition
- Ideathon
- Keynote Address
- Invited talks by Eminent Scientists
- IIST Campus visit

Topics to be covered

- Vyomitra Half Humanoid
- Robotic Applications
- Intelligent Robots and Machine Learning
- Medical and Industrial Robotics

How To Apply

A completed online application form
(Registration Link: <https://forms.gle/j8pKFAJsmnbz7Xno9>)
with the following documents should be attached:

1. Curriculum Vitae (CV)
2. A one-page abstract of the paper B-Tech project with result and relevant graphs and photos.



Who Can Apply

1. Delegates

- B-Tech/ M-Tech students
- PhD scholars and early-career researchers
- Academicians and researchers

2. Competition

- B-Tech students

Registration

Participants are requested to register names as delegates before **15th May, 2026** along with the registration fee. Those who intend to present their project on the above mentioned and related topics are requested to submit the 5 page writeup on or before **15th May, 2026**. Papers for presentation will be selected by a Technical Committee.



Registration Fee:
Rs. 300/-

Awards:



Rs.10,000/-



Rs.5,000/-