



विद्यानवोत्थान

TECHNOVATION SUMMIT 2025



Organized By

National Institute of Technology Silchar

In collaboration with
IIC 8.0, NIT Silchar



Model Exhibition



Competition



Workshop



Idea Pitching

Students from class IX - XII and UG levels can participate



Exciting prizes and awards



Learn beyond classrooms



Themes of the Summit



Energy security for clean earth



Sustainable solutions for disaster management



Smart Waste-to-Wealth for progressive India



Clean and Portable Water @2047



Agri-Tech for food security



Smart Mobility for Viksit Bharat

Bamboo & Natural Resource for resilient infrastructure



AI and cyber security for digital India



Indian knowledge system for STEM



Smart Learning for skill India



Space, Robotics & Drones for Atmanirbhar Bharat



17-18 DECEMBER 2025

For more details visit the website

<http://technovation.nits.ac.in>

For details contact

Dr. Ashish B. Deoghare, +91 9373986998

For details contact

Dr. Biplab Das, +91 6001323425



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Introduction & Rationale

The 21st century demands a new generation of students who can integrate technology, creativity, and entrepreneurship to address pressing societal challenges. With rapid technological transformations in AI, renewable energy, sustainable manufacturing, robotics, and digital education, there is an urgent need to expose students, both from schools and colleges to cutting-edge ideas, hands-on experiences, and collaborative opportunities.

The proposed विद्यानवोत्थान, the TechNovation Summit 2025 at NIT Silchar, aims to create a platform for innovation, knowledge sharing, and capacity building. By bringing together school students, undergraduate learners, and faculty mentors, this summit will foster interdisciplinary thinking and strengthen the innovation ecosystem of North-East India, in line with the National Education Policy (NEP 2020) and India Vision 2047.

Objectives

- To inspire school and college students through interactive lectures, demonstrations, and workshops on frontier technologies.
- To bridge the gap between theory and practice by enabling hands-on exposure through competitions and design challenges.
- To promote entrepreneurship and innovation among youth by showcasing start-up case studies, incubation facilities, and success stories.
- To build networks of collaboration among students, faculty, industry, and policymakers.
- To highlight regional strengths in bamboo-based technologies, renewable energy, and sustainable manufacturing, linking them with global trends.

Summit Structure (Tentative Two-Day Schedule)

Day 1 (17-12-2025): Inspiration & Exposure

- Inaugural Ceremony: Keynote address by eminent academicians/industry leaders.
- Plenary Lectures: Expert talks by renowned speakers from academia and industry.
- Student Exhibits: science models, prototypes, coding projects.
- Panel Discussion: “**Future Skills for India @ 2047**”.

Day 2 (18-12-2025): Innovation & Action

- Workshops: Robotics, IoT applications, CAD design for beginners, renewable energy models, product design, idea generation, entrepreneurship
- Various competitions will be organized among participants
- Valedictory Session & Awards distribution

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Organizing Committee

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Patron

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About the National Institute of Technology Silchar

National Institute of Technology Silchar (राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर) is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as an Institute of National Importance under the National Institutes of Technology Act, 2007.

