



Presents



INGENIUM'25

About INGENIUM'25

Ingenium: Unleashing Innovation

Ingenium, the premier Intra-Collegiate hackathon under Pragyan, NIT Trichy's ISO 9001:2015 and ISO 20121:2012 certified Annual Techno-Managerial Festival, challenges bright minds to solve real-world technical problems. It fosters creativity, collaboration, and impactful solutions with a focus on cutting-edge technologies.

From Ideas to Action

Ingenium stands out with its emphasis on practical implementation. Participants explore robotics, mechanics, and electronics, turning ideas into reality. This vibrant platform blends competition with camaraderie, empowering students to create and innovate using state-of-the-art tools and technologies.

**TOTAL PRIZES WORTH 1.5
LAKHS**

Phase Overview

Phase 1: Idea Submission

Teams submit project abstracts for evaluation by an expert panel
Outcome: Shortlisted teams are notified and invited to proceed to the next phase to transform their ideas into prototypes.

Phase 2: Mentorship and Prototype Development

Guidance: Teams receive mentorship from judges and industry experts. Teams refine their ideas and develop working prototypes with expert assistance.
Progress Review: Teams present their progress and demonstrate prototypes to the panel for feedback.

Phase 3: Pragyan Showcase

At Pragyan '25, teams present their fully developed prototypes in an interactive session. Industry experts and domain specialists evaluate projects progress reviews and final presentations to determine the winners.

Themes and Problem Statements

DEFENCE

Off-Road Transport Solution with Automated Features and Stabilization



INDUSTRIAL AUTOMATION

Intelligent Predictive Maintenance System using GenAI

GREEN ENERGY

Efficient Hybrid Energy Management for Sustainable Power Systems



Testimonials

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परियोजना 'एस.एफ.डी.आर.' / Project 'SFDR'



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सं./No. DRDL/501/SFDR/MISC/2024/14

दिनांक/Date: September 3, 2024

Subject : Experience of working with Exhibition, Sangam, Ingenium (ESI) Team, Pragyan'24

TESTIMONIAL

I, being part of Pragyan'24, have interacted with Exhibition, Sangam, Ingenium (ESI) team and would like to place the following on records about this team. The program was meticulously planned and well executed by the young team. This kind of programmes have multiple positive effects on the students and help bringing out their creative and novel ideas into lime light. They instigate fire of inspiration in the participants as well as in the organizers. The participants will be motivated to bring out their innovative concepts and exhibit their capability to turn these concepts in to useful products. Some of the products which were displayed in the ESI of Pragyan'24 have great impact on the society.

I would like to specially appreciate the organizing team for executing a mammoth programme of this order absolutely flawlessly. The technical tracks and themes included in the programme were highly innovative and state-of-the-art. The colossal efforts went behind the monumental success of the programme are highly appreciable. From deep heart, I wish the organizing team of ESI exhibition sangam and ingenium all success in their future endeavours.

Dr. PVRR Bhogendra Rao
Scientist – G
Project 'SFDR'

Steps to Register

1. Go to the Ingenium website.

<https://pragyan.org/ingenium-25>

1. Check all the available problem statements.

2. Choose the problem statement you want to work on.

3. Register through the attached Google Form.

4. Note that only the final round is offline; all other rounds are online.

5. In case of any doubts, call on the numbers provided on the website

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