



PROPOSALS

By:

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Contesting for the Post of
General Secretary, Technology
Technology Students' Gymkhana
Indian Institute of Technology Kharagpur Academic
Session 2025-2026

PROPOSALS

1) Knowledge Sessions by Societies under General Secretary Technology

Objective:

The primary goal of this initiative is to provide students, especially first-year students, with open access to workshops, seminars, and knowledge sessions conducted by various technology-driven societies and clubs operating inside the Indian Institute of Technology Kharagpur. This initiative will allow students to explore various domains of technology without the prerequisite of being a member of a particular society or club.

Background & Justification:

As a first-year student, gaining exposure to different technical fields can be challenging. Many workshops and learning opportunities are restricted to members of specific societies and clubs, limiting accessibility for those who wish to explore various domains before committing to a particular group. Open knowledge sessions will bridge this gap, fostering an inclusive learning environment and encouraging interdisciplinary engagement among students. This will also minimise the number of students leaving the societies/clubs in the middle of their tenure as they find their interest or passion does not align with that respective society/club. This will also lead to more students getting involved in various societies/clubs as they have the basic knowledge and motivation of each society/club and will be able to follow their interests.

Implementation Plan:

The Technology Committee, Technology Students' Gymkhana will organise and manage the logistics for the conduction of the workshops/seminars, logistics such as venue management and scheduling of workshops, while the event will be fully organised by the particular societies and clubs.

- **The societies will be categorised as follows:**

- **Consulting-Oriented:** 180 Degrees Consulting, Business Club, Quant Club
- **Development-Oriented:** Computer Graphics Society, Developers' Society, Grimoire of Code
- **Data-Oriented:** Kharagpur Data Analytics Group
- **Robotics-related:** Kharagpur Robosoccer Students' Group, Aerial Robotics Society, Technology Robotics Society, Prodex

The workshops and seminars will be conducted offline on weekends and holidays from August to October.

Conclusion:

This initiative aims to foster a culture of learning and exploration at IIT Kharagpur, ensuring that every student has the opportunity to gain technical knowledge beyond their academic curriculum. By making technical learning more accessible and structured, we can nurture a more informed and engaged student community, ultimately contributing to the institute's technological excellence. Additionally, by increasing participation in Open IIT events and fostering a spirit of interdisciplinary collaboration, we can further strengthen our institute's legacy in technological innovation and excellence.

Ground Work :

I have met the stakeholders of various technology societies and the clubs that come under the Technology Committee and talked about the feasibility of conducting these workshops. Prodex, Computer Graphic Society, Business Club and other research groups like Aerial Robotics Kharagpur in the Indian Institute of Technology have shown interest in conducting sessions for the student community.

2) Technology and Defence Exhibition

Objective:

To organise a two-day Technology and Defence Exhibition on the occasion of the 75th Anniversary of IIT Kharagpur. The event will feature exhibitions from leading defence companies and the Indian Armed Forces (Army, Air Force, and Navy). This initiative aims to raise awareness among students about technological advancements in defence and inspire them to contribute towards national development.

Event Details:

- **Dates:** 15th-18th August
- **Venue:** IIT Kharagpur Campus
- **Duration:** 2-3 Days (within the given dates)
- **Organizing Bodies:** Technology Committee, Technology Students' Gymkhana

Key Highlights:

- **Defence Expo:** Showcasing cutting-edge defence technologies, weaponry, and innovations from Indian defence companies and the Armed Forces.
- **Industry Participation:** Leading defence organisations and companies will exhibit their latest research, equipment, and technological developments.
- **Interactive Sessions:** Panel discussions and keynote speeches by defence experts, scientists, and industry leaders.
- **Career Awareness:** Insights into career opportunities within the defence public and private sector industries, including DRDO, HAL, BEL, TATA Advanced Systems Limited and various divisions of the Indian Armed Forces.
- **Live Demonstrations:** Military simulations, drone technology, and advanced defence systems provide a hands-on experience for attendees.
- **Student Engagement:** Opportunities for students to network with experts, explore research collaborations, and gain inspiration for defence-related projects.

Funding & Collaboration:

- A budget proposal will be made to the Institution to manage the logistics in the Institute
- A collaboration will be made with the Indian Army, Indian Navy and Indian Air Force to conduct the defence expo
- Collaboration will take place with companies and organisations that are in the defence sector of India like HINDUSTAN AERONAUTICS LIMITED (HAL), BHARAT ELECTRONICS LIMITED (BEL), BEL OPTRONIC DEVICES LIMITED.

Impact & Significance:

This exhibition aligns with IIT Kharagpur's dedication to national service and technological innovation. By hosting a Defence Expo, students will gain exposure to cutting-edge advancements and be inspired to contribute to the defence sector. The event will not only increase awareness about career opportunities in defence but also ignite a sense of patriotism and responsibility among young engineers to innovate for the nation's security and progress.

Conclusion:

The Technology and Defence Exhibition at IIT Kharagpur will be a landmark event, bringing together industry leaders, academia, and students. Through this initiative, we aim to foster a strong connection between technology and national service, encouraging students to explore opportunities in defence and contribute meaningfully to India's technological future.

Ground Work:

- I have talked with the NCC units at IIT Kharagpur and discussed the feasibility of the collaboration.
- I have talked with the Air Officer Commanding of the Kalaikunda Air Base Station and got a positive response from them.
- A small-scale defence expo was held in Kshitij 2025, and I managed the whole logistics for the weapon display from the Indian Air Force.

3) Addition of Low-Preparation Events in the General Championship

Objective

To provide students with an opportunity to develop skills in domains that require minimal prior preparation, ultimately enhancing their participation in the Inter-IIT Technology Meet.

Background

Adding low-preparation events to the General Championship will help bridge the gap in Inter-IIT preparation by giving students the chance to participate in competitions that require quick thinking, problem-solving, and analytical skills—without needing extensive prior preparation. Given the increasing relevance of domains like Sustainability and Energy Consulting, incorporating such events will significantly contribute to IIT Kharagpur's performance at the Inter-IIT Technology Meet.

Implementation Plan

1. Open IIT Event:

- A preliminary Open IIT competition will be organised to introduce and encourage participation in low-preparation events.
- The event will focus on domains such as Sustainability, Energy Consulting, and other real-world problem-solving challenges.

2. Integration into General Championship:

- After successfully conducting the Open IIT Event, the Low-Preparation Event will be proposed to be added to the General Championship.
- This will ensure consistent participation, skill development, and better preparation for the Inter-IIT Technology Meet.

Impact

- Enhanced Performance in Inter-IIT Technology Meet: By familiarising students with problem statements aligned with Inter-IIT challenges, it will contribute to the success of the Indian Institute of Technology Kharagpur in the Inter IIT Tech Meet.
- Skill Development: Participants will gain critical thinking, decision-making, and consulting skills that will be useful beyond competitions.

Groundwork

- Discussed the initiative with various stakeholders of the Inter-IIT Technology Meet, who expressed interest and support for the idea.
- Analysed previous years' problem statements and identified domains for low-preparation events like Sustainability and Energy Consultancy.