

Proposals for

General Secretary Technology

Technology Students' Gymkhana

Indian Institute of Technology Kharagpur

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Proposal 1: Biweekly Competitive Programming Contest for the Student Community

Overview:

Today, coding has become a monumental opportunity creator in the world of technology, from computer science to healthcare, finance, and marketing. By participating in coding competitions and immersing yourself in coding, you create avenues to be a part of world class institutions and arenas. This enables students to develop a mindset of creation and problem solving ability, creativity, and analytical thinking, which are integral for success in any field.

A healthy coding culture helps students in their future endeavours by equipping them with the necessary technical skills and problem-solving abilities while also becoming a foundation for development of further technologies. By making an IIT Kharagpur centric platform I wish to create an environment for forwarding the coding skill and problem solving abilities with the growth of individuals stemming from friendly competition between peers and competitors alike.

Proposal:

1. I propose the creation of an Institute-wide platform in collaboration with **AlgoZenith** which will be able to host **Competitive Programming contests** that are specially catered to the needs of the students, these contests will be **highly customizable** with options to choose difficulty level.
2. This platform will also host **Bi-weekly coding competitions** that will be open to all the students in the Institute, leading to the creation of a **Institute-wide Leaderboard**. The Leaderboard will be reset every academic year so that the new batches are incentivized to participate.
3. Collaboration with **Industry-experts** and getting problem statements from external sources in the competitive coding scene will be highly beneficial as it will drive learning and allow us to be part of the management and execution of an event encompassing corporate and industry involvement.
4. The frequency of events will ensure that people have optimal chances to compete and take part in consecutive competitions and not miss out on major chances to test their skill.
5. I am excited to have our very own honoured alumni **Mr.Vivek Gupta**, co-founder of the competitive coding platform AlgoZenith onboard with us on this proposal.

Impact:

1. This platform will help nurture coding culture amongst the students of the institute, and will encourage intra-batch interaction on the same.
2. It will help develop a culture of problem solving in the student community.
3. Competitive programming being the gatekeeper to most rounds of interviews during the internship drive and placements, this initiative directly benefits the students and bolsters the institute's efforts in this direction.

Groundwork:

AlgoZenith has been contacted and the confirmation to set up the platform at the earliest onboarding of freshers has been cleared. The concept of a Ramp Up of difficulty over the semester has been discussed alongside logistics.

The planning for organising bootcamps and workshops for freshers and sophomores on relevant topics is already under execution.

Implementation and platform were deemed feasible after discussions with relevant authorities.

Proposal 2: InnovateX: Bridging Industry and Emerging Tech

Overview:

By adopting emergent and deep tech problem statements in an event created to foster innovation in our technical institution, I am trying to invoke the possibility of creating entirely new solutions to general problems and enable students to innovate and build industry grade solutions.

The aim is to perpetuate creation and innovation here on campus and create a substantial creative problem solving approach among participants and generate positive input from competing teams around campus. I take inspiration from corporate involvement after Inter IIT events, in which companies have reached out to teams. The latent talent of the technology community can be showcased in such an event while giving them a stage and the possibility of networking.

Proposal:

1. I propose an **annual onboarding** and collaboration of multinational companies to provide an opportunity for all the students in our institute to bolster and put in brainstorming and technical execution skills aimed at finding solutions in the form of **world-class products** and innovations to the **industry-level problems**.
2. Teams from all over the campus can participate and test their skills on an **individual** or **inter-hall** basis in events lasting **6-8 weeks**.
3. I hope to solve real life problems and develop solutions which are the **benchmark of innovation** and **technical skill**.
4. The existence of a DeepTech focused event on campus will interest **multiple segments** of the industry enabling career opportunities for the students and providing them with a **launching pad** for their future endeavours.

Impact:

1. The students will be to develop corporate connections and inculcate relevant skill sets for new opportunities.
2. Exposure to corporate culture at the learning age will empower students to enhance their overall personality and presentability.
3. Prizes and incentives for students from respective organisations will give them a taste of financial independence and empower them to take on further challenges.

Groundwork:

Multiple companies have been reached out and have shown interest in collaborating and providing problem statements while aligning with the vision of the proposal, being a precedent for more intertwined participation of industry and corporations in the event.

Contacted with the respective authorities of Technology Students Gymkhana about this and they are ready to do this.

Proposal 3: General Championship and Inter IIT Tech Meet event videos and Blog series

Overview:

IIT Kharagpur boasts the most exceptional community of students when it comes to technology. The performance of our Inter IIT Contingent is a testament to this claim. By creating a video and blog series, I wish to bring to freshers the mindset involved in tackling Inter IIT problem statements and motivate them to participate in future events.

The idea is to make the student community acquainted with the winning strategies and the people behind them. By creating an engagement for the community in the form of a short concise informative documentary of multiple contingent members I hope to bring about a shift in the outcome and adoption of these prestigious Inter IIT events.

This will raise awareness about the general championship and Inter IIT right from the grassroot level and will inspire participation among the audience in various events in order to contribute to the KGP culture and to their holistic development. It will provide a platform to gain information from seniors who have had first hand experience of the event and allow students to learn from top tech minds.

Proposal:

1. I propose the creation of a **video and blog series, GCdiaries and InterIIT diaries**.
2. Featuring past participants and their experiences to ensure greater penetration of information among the student community to make them acquainted with the **IIT Kharagpur technology culture**.
3. A concise and effective accumulation of **Data and Experiences** from Technology Students at the helm of their respective skill sets will show the path to students who want to follow in their footsteps and create new avenues for themselves.

Impact:

1. An induced spirit of inquisitiveness and promotion of a culture of discussions over panels and forums to help develop and further perplexing ideas.
2. Give shape to ideas with the element of teamwork, innovation and development of new strategies and theories. This will act as a catalyst in reimagining what can be accomplished here in our esteemed technical institution.
3. Development of a technology fuelled college initiative with students at the helm and guiding a path through to the industry and the world beyond.
4. Allowing collaboration and partnership in the same space with people striving to develop on their ideas and transforming them to reality.

Groundwork:

Inter IIT contingent members have been consulted and have shown interest in this initiative. Film production will be handled by a film production crew

Have consulted with the respective authorities of Technology Students Gymkhana and got the permission to release them from their official handles.

Proposal 4: KTJ

Overview:

As an institute of national importance, IIT Kharagpur strives to make a mark on the world. To this effect Kshitij focuses heavily on the evolution of the fest to not only empower technology but also serve as a stage for showcasing the talent our nation has.

Kshitij has a vision of Think | Create | Enjoy. The hard work and passion put in by the students has continued to help Kshitij achieve greater heights every year. Through a Kshitij Initiative, it is indeed possible to expand the reach of our institute to global realms and make Kshitij, which is the biggest Techno-Management fest in Asia, bigger than it already is. This serves as a focal point to represent our nation while also enhancing a rich cultural exchange.

Proposal:

1. I propose the conduction of the **Kascade** initiative in neighbouring countries like **Nepal, Bhutan, Bangladesh.**
2. Organising events of Kshitij with all the qualifying winners being invited to IIT Kharagpur.
3. International recognition of talent in respective domains will foster competitive spirit.

Impact:

1. Kshitij will be able to expand internationally and more participants coming to the fest and will increase the level of competition and footprint.
2. International cooperation among neighbouring nations will be accentuated through this initiative.

Groundwork:

Kshitij organisers were consulted regarding feasibility and logistics, all of which have been discussed. Impact of this event and its value proposition have also been worked on, greenlighting this initiative.

Mailed the Technical institutions of these countries and got a positive response for the conduct of this event.