

# **CONSTITUTION OF THE INTERIIT TECH MEET**

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## I. PREAMBLE

The Constitution for InterIIT Technical Meet, here on referred to as, InterIIT Tech Meet was created in the year 2018 as an effort to formalize the structure of the Tech Meet after the successful commencement of 6 InterIIT Tech Meets at various IITs. This is the first step towards formalizing the process of organizing and execution of the InterIIT Tech Meets.

## II. VERSION HISTORY

Revision	Date & Venue	Description	Sections Affected
R00	25–26 Aug 2018 IIT Bombay	First Draft: Introduced to Inter IIT Tech Board	All
R01	22 Feb 2021 IIT Guwahati	Non-disclosure of name of IIT in front of judges	General Rules
R02	22 Feb 2021 IIT Guwahati	Modification in the scoring structure	Score Structure
R03	22 Feb 2021 IIT Guwahati	Inclusion of new domains	Competitive Events
R04	30 Jul 2023 IIT Madras	Minor changes to the wording	All
R05	30 Jul 2023 IIT Madras	Inclusion of Rulebook	General Rules
R06	30 Jul 2023 IIT Madras	Updation of Timeline for Do-mains/PS	General Rules
R07	30 Jul 2023 IIT Madras	Changes of Roles in the InterIIT Tech Board	InterIIT Tech Board
R08	30 Jul 2023 IIT Madras	Proposal to hold more Tech Board Meets	InterIIT Tech Board
R09	30 Jul 2023 IIT Madras	Change of period of Host IIT	Roles of Host IIT
R10	30 Jul 2023 IIT Madras	Defining roles of Contingent Leader and Secretary	Roles of Participating IIT
R11	30 Jul 2023 IIT Madras	Updated Pledge	Event Structure
R12	30 Jul 2023 IIT Madras	Proposal of No Prep Events	Event Structure
R13	30 Jul 2023 IIT Madras	Changes to the Scoring System	Results & Ranking

R14	30 Jul 2023 IIT Madras	Inclusion of Penalties	Results & Ranking
R15	30 Jul 2023 IIT Madras	Updated Trophies and Certificates	Results & Ranking

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### III. DEFINITIONS

**Host IIT:** The IIT which hosts the InterIIT Tech Meet.

**Organising Team:** Students from Host IIT managing planning, execution, and closure of the event.

**Contingent:** Team of students representing a specific IIT.

**Year:** Period after Host IIT appointment until the next Host is decided.

**Rulebook:** Document with event-specific rules, judging criteria, and scoring structure.

## IV. AIMS AND OBJECTIVES

### *IV.1. Vision*

India is a developing country. There are countless problems that it faces due to its population, geographic expanse, climate, infrastructure, and various other factors. A lot of efforts are being put in by various educational institutes for coming up with technology solutions that could address these issues. Numerous government policies and initiatives have created opportunities for promoting and encouraging the development of technology to address these issues. The IITs being premier education and research institutes, spearhead these initiatives. Enhanced collaboration between IITs would foster the development of technology solutions and also encourage more and more graduating students to pursue this into full-time ventures wherein they take this technology from research labs to end users, impacting a million lives. Inter IIT Tech Meets are envisioned to challenge participants to come up with technological solutions for the problems, compete with teams in a healthy environment, interact with like-minded people across the country, and promote the transfer of this technology to ventures which will address problems at grass-root levels.

### *IV.2. Mission*

The InterIIT Tech Meets will strive towards the vision by

- Coming up with problem statements for the event which
  - Address commonly faced problems by millions around the world, issues which are relevant to a social cause,
  - Address industrial problems and come up with a working prototype and aim towards taking this to implementation of technology in the industry,
  - Improve the living standards or ease life by suitable intervention of technology and/or its improved management,
  - Enhance collaboration and boost technology development.
- To serve as a platform for
  - Fair and healthy competition between teams and support the teams to come up with their best as they compete,
  - Social entrepreneurs, businesses, and NGOs who are willing to take forward these technology solutions from research labs to the millions who will be impacted by this,
  - Address industry-academia gaps through networking activities and challenges where diverse teams attempt to solve the problem,



- Interaction of people belonging to different segments of the technical community to initiate community development through collaboration and serve a larger socio-economic purpose.

The Tech Meet will have various events which will have some elements of competitiveness which ensure the best efforts are put in while coming up with solutions and building the technology that goes beyond the competition and improvise the solution based on feedback and enter the market as a competitive solution or be a stepping stone to fundamental or applied research and development.

## V. GENERAL RULES

- The Tech Meet will be hosted by the Host IIT at its campus for a minimum of 2 days to a maximum of 5 days. It will be an annual event.
- The Host IIT shall be responsible for drafting the Rule Book, which shall comprise of
  - the rules and regulations which all the participating IITs must abide by,
  - the maximum size of the contingent for individual events in High Prep, Mid Prep and Low/No Prep categories,
  - the list of tentative domains and event details planned for the year,
  - a detailed scoring system for each of High Prep, Mid Prep and Low/No Prep events,
  - any additional rules for penalties applied to various violations,and shall be accepted pending ratification at the Board meeting.
- The name of IITs shall strictly not be disclosed at any point of time during the competition to the judges.
- The Host IIT is expected to setup an official communication forum which shall be utilized by all IITs to propose suggestions, discuss concerns or objections regarding any and all issues pertaining to the Tech Meet.
- The Host IIT is expected to release the tentative list of domains at the earliest, which is to be notified through the communication channel.
- It is mandatory for the Host IIT to finalize all the domains for the problem statements by the pre-decided dates set during the Board Meeting. The problem statements shall be frozen by at least 7 days before the commencement of first High Prep, Mid Prep and at least 15 days prior for Low/No Prep Events.

### *V.1. Code of Conduct*

- Intentional damage to competition setups/ practice setups, the infrastructure of Host IIT at competition venue or to demonstration/setup of other IITs can result in disqualification in the event,
- Usage of pirated/unauthorized versions proprietary software technologies during any stage of competition or development of prototype/demonstration if found will lead to disqualification of entry in that particular event.

- Violation of standard safety rules mentioned in the Rulebook while operating equipment or giving demonstrations may lead to penalties ranging from event score reduction to disqualification. The penalty is left to the discretion of judges during the event,
- Any individual if found involved in any prohibited activities/areas of the Host IIT shall be banned from participation in the Tech Meet of the particular year. The Host IITs are advised to include a list of such prohibited areas/activities inside their campus.

## VI. INTERIIT TECH BOARD

The board shall be constituted for the purpose of effective supervision of the InterIIT Tech Meet. The headquarters of the Tech Board will be located at the host IIT. The Tech Board is constituted with the following members:

- Chairman of the InterIIT Tech Board (Director of Host IIT)
- Chairman of the InterIIT Tech Meet (Dean of Student Affairs of Host IIT or any equivalent institute functionary)
- Convener(s) of the InterIIT Tech Meet
- Representation from all IITs consisting of General Secretary Technical Affairs (or equivalent institute functionary), and the Contingent Leader.

The Chairman of the Tech Board shall preside over all meetings. In their absence, the Convener of the Tech Meet shall occupy the chair and conduct the proceedings of the meetings. In the absence of the Chairman and the Convener, a nominee appointed by the Chairman/Convener will occupy the chair and conduct the proceedings of the meetings. The minutes of all the meetings shall be recorded and circulated to the members of all IITs after each board meeting.

The quorum for the conduction of the Tech Board meeting shall be representation from a minimum of half of all IITs. All decisions shall be passed on approval by a majority of votes of present IITs. Each IIT has one vote. In case of a tie, the Chairman or their nominee shall make the final decision.

The Tech Board Meeting will happen at least twice a year. The first board meeting should happen as soon as the academic year begins. This meeting will be held to decide the grounds for the problem statements for the year. This meeting to decide the initial structure of the InterIIT Tech Meet, events to be included, suggestions for the number of events, the genre of events and the timeline for finalization of the problem statements/events. The second board meeting should be conducted at the end of the InterIIT Meet for feedback and to decide the Host IIT for the next Inter IIT Tech Meet.

There is provision to host the Tech Board Meeting in the event that, the Tech Meet to be rescheduled/canceled due to unavoidable circumstances beyond the control of Host IIT.

## VII. ELIGIBILITY

All bonafide full time students of all IITs, who will be getting degree/diploma from the concerned IIT, are eligible to participate. A consolidated list of the contingent members, attested as bonafide students by the Dean of Students/Registrar of concerned IIT, should be submitted to the Chairman of the Tech Meet before a stipulated time before commencement of meet.

### VIII. SELECTION OF THE HOST IIT

The Host for the next InterIIT Tech Meet shall be decided at the ad-hoc Tech Board Meeting conducted before the end of the academic year. Each IIT willing to host the next InterIIT shall submit a proposal approved by the Director of their institute and shall submit the same to the Chairman of the Tech Board. In the event there is only a single IIT submitting a proposal, it shall be declared as Host IIT for the next InterIIT Meet. In an event where there are more than one IITs submitting proposals, there shall be a discussion of the proposals by the Tech Board. The Host will then be decided by preferential voting. The host IIT cannot submit a proposal for hosting the next edition during the second Tech Board Meeting. In the event that no IIT submits a proposal, the Chairman of the Tech Board shall invite proposals from Directors of IITs. At this stage, the Host IIT is also eligible to apply.

#### *VIII.1. Guidelines*

The proposal should be submitted with a cover letter attested by the Director of the Institute. It should contain details on the following:

- Details of participation of the IIT in previous InterIIT Tech Meets,
- Details of hosting of the InterIIT Tech Meet or events of similar scale in the past,
- Details of organising team structure and tentative dates for hosting the meet,
- Details of accommodation capacity, infrastructure which will be needed for hosting the InterIIT Tech Meet,
- Details of new initiatives, long-term problem statements that they wish to bring in the Inter IIT Tech Meet should be discussed.

### IX. RESPONSIBILITIES OF THE HOST IIT

The Host IIT is responsible for organising the InterIIT Tech Meet of the current year. They have the following responsibilities:

- Appoint organising team to manage the affairs of the event, its planning, execution and acceptable closure of the event. This organising team will be led by 1 or 2 Convener(s). The Convener(s) will serve as the point of contact for the participating IITs,
- Ideate and plan the events of the meet and manage the logistics for the event,
- Draft the Rulebook, that shall be used during the period of the competition,
- Maintain the official website and social media handles. An official web domain shall be established for all subsequent InterIITs. It is the responsibility of the Host IIT to bear the cost of the web domain during the period through which they bear the title of Host IIT. All access to the web domain shall be handed over to the next Host IIT upon the selection of the successor Host IIT,
- Make accommodation arrangements for Participating Contingents during the InterIIT Tech Meet,
- Make arrangements for judges, as applicable for the event,
- Ensure that the Contingent of Host IIT and the InterIIT Tech Meet Organizing team are completely independent and have no common members. In case of violation of this rule, the Host IIT will be disqualified for the events in which the common member was registered,
- Bear the cost of hosting the meet, which includes,
  - Infrastructure for the events - posters, setup for competitions, etc.,
  - Merchandise for the participants,
  - Judges - fees and transport,
  - Medals and Certificates,
  - Website and its maintenance.

The Host IIT shall mention the basic amenities/facilities being by provided them in the Rulebook for the convenience of participants.

A nominal fee can be levied on each participant. This fee is to be decided by the Host IIT, and the breakdown of the same shall be included in the Rulebook.

## X. RESPONSIBILITIES OF PARTICIPATING IITs

Participating IITs have to form a contingent of participants which will attend the InterIIT Tech Meet. Participating IITs have to appoint Contingent Leader, who shall lead the team from their IIT. The roles of the Contingent Leader (inclusive but not limited to) are as follows:

- act as the Point of Contact between the Participating IIT and the Host IIT,
- responsible for the formation and registration of the teams for various events in the meet.

In addition to the Contingent Leader, each participating IIT can appoint a maximum of 2 Deputy Contingent Leader(s), who in absence of the Contingent Leader shall act as the primary Point of Contact between the Participating IIT and the Host IIT.

General Secretary Technical Affairs (or equivalent institute functionary) of each Participating IIT, are also expected to submit

- details of the Contingent Leader and Deputy Contingent Leader(s) at least 10 days before the commencement of the first event,
- and the list of the complete Participating Contingent from that IIT at least 10 days before the commencement of the offline event or the last date of registration, whichever is later,

attested as bonafide students by the Dean of Students/Registrar of concerned IIT, to the Convener(s) of the meet.

The Host IIT also participates in the meet. They will also appoint a contingent leader and form their own contingent.



## XI. EVENT STRUCTURE

The meet shall have events that comprise of competitions and events for networking and improving interaction amongst participants.

### *XI.1. Inauguration Ceremony*

Inauguration of the meet should start with the pledge which is to be administered by an individual from the Host IIT. The pledge has been included as a part of this so as to remind everyone of the mission and vision of the event - healthy competition and interaction between peers, exchange of ideas, and betterment of technology. It also highlights that whatever was worked on for the sake of competition should be improved beyond, and shaped so as to solve the problems of millions round the globe.

#### **XI.XI.1.1. Pledge**

*"I solemnly swear and pledge to participate in the xth InterIIT Tech Meet with honesty and impeccable integrity and compete in a fair manner. I promise to use this event as a platform to collaborate, learn from and exchange ideas with my fellow participants. I would strive to use this opportunity to develop solutions for the betterment of society understanding that the best way to predict the future, is to create it."*

### *XI.2. Collaborative and Networking Events*

The InterIIT Tech Meet shall have events specifically for enhancing interaction between participants. It is also important to involve alumni, professors, people from the industry, and entrepreneurs in these events. Project showcases, poster presentations, lecture series, unconferencing etc., are some events that can be included. Events including cross-contingent teams can also be organised. The collaborative events may have participating points towards the overall tally.

### *XI.3. Competitive Events*

The Host IIT will ideate domains for the competitions. These problem statements will be released on the official website as per the schedule.

**Generic guidelines for Problem Statements** The competitive elements of some events are included to provide small incentives and encourage participants to deliver despite the challenges. This is to fuel innovation under given constraints.

Competition problem statements should be so chosen that they are in line with our vision and mission. Some of the domains (non-exhaustive) which could be considered are listed below:

- Sustainability - energy, waste management, water conservation etc.,
- Technology for healthcare,
- Technology for the upliftment of agriculture,
- Education technology,
- Transportation technology,
- Technologies enhancing indigenous manufacturing capabilities,
- Techno-finance and Techno-design based problems.

#### XI.XI.3.1. Categorisation of Competitive Events

The Host IIT shall propose categorisation of competition based on the following criteria:

- expected number size of the team working on problem,
- amount of time to be devoted towards problem-solving prior to attending the event
- whether competition demands a hardware proof of concept/demonstration or involves the implementation of the solution.
- monetary or non-monetary resources involved in the project.

The Host IIT shall be presenting the categorisation adopted by them during first tech board meeting. Host IIT shall release the competition categorisation to be adopted by them at least one week before the board meet on the official forum of communication and shall try to incorporate changes (if any). In case the Host IIT fails to get a majority in voting for their proposed categorisation, they shall follow the competition categorisation structure as presented below.

Competitions have been categorised as follows:

- **High-Prep Competition**

These are the competitions that involve proof-of-concept demonstration, implementation etc., that happen during the meet. This requires extensive preparation of any prototypes, submissions, etc., from the contingent as per the problem statement. The problem-solving will require sustained efforts of 4-10 weeks or more with weekly input of 10-30 hours. The typical team size required for this will be more than 6. A significant amount of prototyping costs/resources will be involved in high-prep competition

- **Mid-Prep Competition**

These are the competitions that involve demonstration or presentations that happen during the meet. This may require the preparation of some prototypes, submissions, etc., from the contingents as per the problem statement. The problem-solving will require a sustained effort of anywhere between 2-4 weeks with weekly input of 8-20 hours. The typical team size required for this will be between 3-8 people.

- **Low-Prep Competition**

These are the competitions that involve presentations that happen during the meet. This may require the preparation of some submissions, etc., from the contingents as per the problem statement. The problem-solving will require a sustained effort of anywhere between 4-7 days. The typical team size required for this will be between 2-4 people.

- **No-Prep Competition (optional)**

These are the competitions that involve that require on-the-spot efforts with no prior preparation of any prototypes, submissions, etc., from the contingent. The typical team size required for this will be between 2-4 people.

The event points of High-Prep competition must be greater than Mid-Prep and Low/No-Prep competition and Mid-Prep competition must greater than Low/No-Prep competition.

#### *XI.4. Closing Ceremony*

Inter IIT Tech Meet will have a closing ceremony as its last event. All the positions shall be awarded during the closing ceremony. The meet will be declared closed at the end.

## XII. RESULTS & RANKING

### *XII.1. Judges*

The selection of Judges for all events will be at the discretion of the Host IIT. No bonafide student of any IIT shall be part of the judging panel. Decisions taken by the judges shall be final and binding in all cases. Care must be taken that judges are fully aware of the intricacies of the event and the judging criteria.

### *XII.2. Score Structure*

A scoreboard will be maintained on the website of the meet. This will be updated after the announcement of results of individual events. The number of Gold, Silver, and Bronze Awards shall be restricted to a maximum of TWO in a particular problem statement. (\*\*The only exception to this would be when multiple IITs have performed equally and tied at the qualifying cut-off in the problem statement.)

- The scores of the teams shall be normalized according to the mean of the scores acquired by all the participants,
- Gold shall be awarded to the team with the maximum normalised score and a maximum of one other team, provided their score lies within 5% of this normalized score. In case, two or more teams are tied with the same score within this 5% range, neither team will be awarded Gold,
- The scores of the remaining teams shall be normalized again according to the mean of the scores acquired by the remaining participants,
- Silver shall be awarded to the team with the maximum normalised score and a maximum of one other team, provided their score lies within 5% of this new normalized score. In case, two or more teams are tied with the same score within this 5% range, neither team will be awarded Silver,
- The scores of the remaining teams shall be normalized again according to the mean of the scores acquired by the remaining participants,
- Bronze shall be awarded to the team with the maximum normalised score and a maximum of one other team, provided their score lies within 5% of this new normalized score. In case, two or more teams are tied with the same score within this 5% range, neither team will be awarded Bronze,

- Instead of carrying forward the corresponding pre-decided points for Gold, Silver, and Bronze, the scores are then re-normalized about the mean of all the scores that are lower than the mean of the scores (threshold) acquired by all the participants,
- Each position after Gold, further receive a penalty of 10%, cumulative with every position (with Silver and Bronze as equivalent positions, with no differentiation between the medal winners),
- Qualifying the threshold ensures that teams with a positive normalised score receive at least 10% of event points. The other teams do not receive any points for participation,
- The event points for each type of event as per event categorisation is left to the discretion of Host IIT and will be included in the Rulebook,
- No two events in the same category shall have different event points,
- Individual awards (bonuses of any kind), if any, shall not contribute towards the overall tally.

### *XII.3. Penalties*

Violation of rules or the code of conduct outlined in the Constitution and/or the Rulebook will attract severe penalties. The following penalties shall be modified by the Host IIT, and subjected to ratification by the Tech Board.

- In the event that any two IITs are found guilty of plagiarism, both IITs will be disqualified from participation in that particular event,
- In the event that any IIT reveals its name, intentional or otherwise, at any point of time during the event, a 50% penalty shall be levied on the points allocated to that stage of the event,
- Late submissions shall attract penalty on the points allocated to that stage of the event, according as
  - for delays up to 10 minutes - a penalty of 25% shall be levied,
  - for delays between 10 and 60 minutes - a penalty of 75% shall be levied,
  - for delays beyond 60 minutes - a penalty of 100% shall be levied,
- Exceeding the allotted time during the final presentation shall attract penalty on the points allocated to that stage of the event, according as
  - by less than 10 seconds - a penalty of 5% penalty shall be levied,

- by a time between 10 and 30 seconds - a penalty of 10% shall be levied,
- by a time between 30 and 60 seconds - a penalty of 15% shall be levied,
- by a time greater than 60 seconds - a penalty of 25% shall be levied,
- For other violations not listed in the Constitution or the Rulebook, the penalties shall be determined on a case-by-case basis during the Board Meeting.

#### *XII.4. Trophies & Certificates*

Overall General Championship Trophy will be a rolling trophy. Any IIT that wins the Trophy for 3 consecutive years shall take permanent ownership the trophy and a new trophy shall be made for further meets.

- In the case of a tie in the overall points between multiple IITs, the IIT with the greater number of Gold medals will be declared winners,
- In the case that number of Gold medals match for multiple IITs, the IIT with the greater number of Silver medals will be declared winners,
- In the case that the number of Silver medals match for multiple IITs, the IIT with the greater number of Bronze medals will be declared winners,
- In the case the overall points and number of Gold, Silver and Bronze medals match for multiple IITs, the IITs will be declared as joint winners,
- In case of joint winners, the Rolling trophy shall be kept at each IIT for an equal amount during the year, the order for keeping the trophy can be decided by mutual consensus or by random allotment process,
- Certificate of honor and a memento shall be awarded to all members winning the Gold/Silver/Bronze medals in a particular event,
- Certificate of participation shall be awarded to all registered members of the contingent, subject to the limits of each problem statement,

### XIII. PUBLIC RELATIONS & MEDIA OUTREACH

The Host IIT's Public Relations Office or other equivalent institute's office(s) should be consulted and approval should be taken from Public Relations Officer or other equivalent institute functionaries before inviting/interacting with print/broadcast or online media about the Inter IIT Tech Meet or while they are covering the event.

However, the official media body of individual IITs are free to publish any relevant news about Inter-IIT Tech Meet on social media pages, websites, or printed media.

#### XIV. IP POLICY

The intellectual property rights of the product developed as part of Tech Meet lie with the Individual/Group of Individuals/Organisation who developed it. The organising team or the Host IIT takes no responsibility for protecting the IP rights of participants. It is up to the discretion of participants whether to display/demonstrate a product/solution/research for which a patent is pending.



## XV. PROVISIONS TO MAKE AMENDMENTS

A motion to amend, modify, formulate, or remove any point of this Constitution must be raised in an InterIIT Tech Board meeting and must be approved by at least two-thirds of the votes of members present. The final amendment will come into effect only after the approval of the Chairman of the InterIIT Tech Board.