

CONSTITUTION OF THE INTERIIT TECH MEET

INDEX

I	PREAMBLE	3
II	VERSION HISTORY	4
III	DEFINITIONS	6
IV	AIMS AND OBJECTIVES	7
IV.1	<i>Vision</i>	7
IV.2	<i>Mission</i>	7
V	INTERIIT TECH BOARD	9
VI	SELECTION OF THE HOST IIT	12
VI.1	<i>Guidelines</i>	12
VII	RESPONSIBILITIES OF THE HOST IIT	14
VIII	RESPONSIBILITIES OF PARTICIPATING IITs	17
IX	ELIGIBILITY	18
IX.1	<i>Eligibility of Participating IIT</i>	18
IX.2	<i>Eligibility of Participating Students</i>	18
X	EVENT STRUCTURE	20
X.1	<i>Inauguration Ceremony</i>	20
X.2	<i>Collaborative and Networking Events</i>	20
X.3	<i>Competitive Events</i>	20
X.4	<i>Closing Ceremony</i>	22
XI	GENERAL RULES	23
XI.1	<i>Code of Conduct</i>	23
XI.2	<i>Code of Conduct</i>	24
XI.3	<i>Rulebook</i>	25
XII	RESULTS & RANKING	27
XII.1	<i>Judges</i>	27
XII.2	<i>Score Structure</i>	27
XII.3	<i>Penalties</i>	28
XII.4	<i>Trophies & Certificates</i>	29

INDEX 2

XIII	PUBLIC RELATIONS & MEDIA OUTREACH	31
XIV	IP POLICY	32
	<i>XIV.1 Rights</i>	32
	<i>XIV.2 Protection</i>	32
XV	PROVISIONS TO MAKE AMENDMENTS	33
A	CODE FOR SCORING	34
B	OPEN FLOOR SESSION	37
C	MAIL LIST	38

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 Domain-s/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
R16	22 Aug 2025 IIT Bombay	Change paragraph and bullet point style to numeric style for each referencing	Full constitution
R17	22 Aug 2025 IIT Bombay	Update in schedule and minimum number of tech board meets in a year	InterIIT Tech Board
R18	22 Aug 2025 IIT Bombay	Organising the responsibilities of the Host IIT, the Organising Team and the Conveners	Responsibilities of the Host IIT
R19	22 Aug 2025 IIT Bombay	Specifying eligibility criteria for participating IIT and participating students	Eligibility
R20	22 Aug 2025 IIT Bombay	Participant Identification and ID Card Policy	Penalties
R21	22 Aug 2025 IIT Bombay	Rules for Rolling Trophy	Trophies and Certificates
R22	22 Aug 2025 IIT Bombay	Detailed guidelines for IP Policy	IP Policy
R23	22 Aug 2025 IIT Bombay	Replacing Host IIT with Organizing Team	Penalties & Events
R24	22 Aug 2025 IIT Bombay	Code for scoring reliably	Code for Scoring
R25	22 Aug 2025 IIT Bombay	Formalizing rulebook requirements	General Rules
R26	22 Aug 2025 IIT Bombay	Open Floor session in Board Meets	Provisions to Make Amendments
R27	22 Aug 2025 IIT Bombay	Including Board members in proposal submission	Selection of Host IIT
R28	22 Aug 2025 IIT Bombay	Restructuring for completeness	General Rules & Event Structure

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

a. 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

- a. The InterIIT Tech Meets will strive towards the vision by
 - i. Coming up with problem statements for the event which
 - (a) Address commonly faced problems by millions around the world, issues which are relevant to a social cause,
 - (b) Address industrial problems and come up with a working prototype and aim towards taking this to implementation of technology in the industry,
 - (c) Improve the living standards or ease life by suitable intervention of technology and/or its improved management,
 - (d) Enhance collaboration and boost technology development.
 - ii. To serve as a platform for
 - (a) Fair and healthy competition between teams and support the teams to come up with their best as they compete,
 - (b) 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,

- (c) Address industry-academia gaps through networking activities and challenges where diverse teams attempt to solve the problem,
 - (d) Interaction of people belonging to different segments of the technical community to initiate community development through collaboration and serve a larger socio-economic purpose.
- b. 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. InterIIT Tech Board

a. 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:

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

b. 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.

c. 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.

d. 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.

Host IIT should mandatorily conduct the following Tech Board Meetings:

Timeline	Purpose
At least 1 month before the release of the first problem statement for that year's InterIIT Tech Meet	<ul style="list-style-type: none"> i. Decide the grounds for the problem statements for the year ii. Decide the initial structure of the InterIIT Tech Meet, events to be included, suggestions for the number of events, the genre of events iii. Timeline for finalization of the problem statements/events. iv. Presentation and ratification of the rulebook v. Mandatory Open Session for presentation of Constitutional Amendments by participating IITs
Immediately after the conclusion of that year's InterIIT Tech Meet	<ul style="list-style-type: none"> i. For levying penalties not mentioned in the Constitution ii. Releasing of the provisional results for that year's InterIIT Tech Meet
Within 2 months after the conclusion of that year's InterIIT Tech Meet	<ul style="list-style-type: none"> i. For feedback to the Host IIT ii. Presenting ideas for improving the construct of the InterIIT Tech Meet to the Tech Board iii. For officially opening the floor for next year's InterIIT Tech Meet

Within 2 weeks after the 3 week period from the submission of the first proposal for the following year's hosting rights

- i. To provide feedback on submitted proposals for hosting the following edition of the InterIIT Tech Meet
 - ii. To (reschedule another meet to) finalize the Host IIT for the following edition of the InterIIT Tech Meet
 - iii. Mandatory Open Session for presentation of Constitutional Amendments by participating IITs
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e. 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.

VI. Selection of the Host IIT

a. 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.

- i. 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.
- ii. Each IIT willing to host the next InterIIT shall submit a proposal approved by the Director of their institute. Such a proposal shall be submitted, via email, by a member-email of the Board to the Chairman of the Tech Board and copy it to all members of the Board. A list of emails of members of the Tech Board shall be maintained in appendix C.
- iii. In the event there is only a single IIT submitting a proposal, a majority vote by the IITs present in the Tech Board meeting is required for declaring the applying IIT as the Host IIT for the next InterIIT Meet. In case, the applying IIT fails to get such a vote, it shall modify its proposal to meet the suggestions made by the Board. The new proposal should be resubmitted and discussed in a Tech board meeting.
- iv. 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.
- v. 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.

VI.1. Guidelines

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

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

VII. Responsibilities of the Host IIT

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

- i. 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,
- ii. Ideate and plan the events of the meet and manage the logistics for the event,
- iii. Draft the Rulebook, that shall be used during the period of the competition,
- iv. 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,
- v. Make accommodation arrangements for Participating Contingents during the InterIIT Tech Meet,
- vi. Make arrangements for judges, as applicable for the event,
- vii. 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,
- viii. Bear the cost of hosting the meet, which includes,
 - (a) Infrastructure for the events - posters, setup for competitions, etc.,
 - (b) Merchandise for the participants,
 - (c) Judges - fees and transport,
 - (d) Medals and Certificates,
 - (e) Website and its maintenance.

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

c. 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.

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

- i. Appoint an 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),
 - ii. Make accommodation arrangements for Participating Contingents during the InterIIT Tech Meet,
 - iii. Make arrangements for judges, as applicable for the event,
 - iv. Ensure that the Contingent of Host IIT and the InterIIT Tech Meet Organising 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,
 - v. Bear the cost of holding the official domain “interiit-tech.com” and hand over its credentials to the next Host IIT upon the selection of the successor Host IIT,
 - vi. Bear the cost of hosting the meet, which includes,
 - (a) Infrastructure for the events - posters, setup for competitions, etc.,
 - (b) Merchandise for the participants,
 - (c) Judges - fees and transport,
 - (d) Medals and Certificates,
 - (e) Website and its maintenance.
 - vii. Provide gender-neutral workspace with internet access.
- d. The Chairman of the InterIIT Tech Meet will serve as the answerable authority of the Host IIT. In their absence, such a duty may be performed by an appointee.
- e. 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.

f. The Organising Team is responsible for conducting the affairs of the InterIIT Tech Meet. Their responsibilities include:

- i. Ideate and plan the events of the meet and manage the logistics for the event,
- ii. Draft the Rulebook, that shall be used during the period of the competition,
- iii. Provide a list of basic amenities/facilities being provided to them in the Rulebook for the convenience of participants,
- iv. Maintain the official website and social media handles,
- v. Maintain confidentiality of problem statements before their official release
- vi. Maintain confidentiality of information of registered members and submissions during all parts of the InterIIT Tech Meet,
- vii. Review and approve registered student lists and SAC/EC submissions after ensuring compliance with rules,
- viii. Issue ID Cards to all members of the contingent coming for the InterIIT Tech Meet. These ID cards should only include the following:
 - (a) A picture of the student with their name
 - (b) A unique ID as text and/or image
 - (c) Contact information

g. The Convener(s) will lead the functioning and exercise the authority of the Organising Team. In addition to the responsibilities of the Organising Team, they will also bear the following responsibilities:

- i. Serve as the de-facto Chairman of the InterIIT Tech Board in absence of the Chairman of the InterIIT Tech Board,
- ii. Serve as the answerable authority representing the Organising Team,
- iii. Serve as the point of contact for the participating IITs, or appoint appropriate points of contact,
- iv. Ensure that all information is shared strictly on a need-to-know basis within the Organising Team, with the Convener maintaining oversight of the flow and access of such information

VIII. Responsibilities of Participating IITs

a. 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:

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

b. 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.

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

- i. details of the Contingent Leader and Deputy Contingent Leader(s) at least 10 days before the commencement of the first event,
- ii. 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.

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

IX. Eligibility

a. 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.

IX.1. Eligibility of Participating IIT

a. Pandit Jawaharlal Nehru pioneered the establishment of the Indian Institutes of Technology to provide trained technical personnel of international class to the nation who would act as leaders in technology for the newly born independent India. For an IIT to be a part of the InterIIT Tech Meet, it

- i. Should be recognised as an Indian Institute of Technology by the IIT Council established by the IIT Act,
- ii. Have an active student body to oversee participation

IX.2. Eligibility of Participating Students

a. For a student to participate in the InterIIT Tech Meet, they should meet all of the following criteria

- i. Currently enrolled in an IIT which is eligible to participate in the InterIIT Tech Meet,
- ii. Currently enrolled in a full time offline academic program whose entire duration should be greater than 18 months,
- iii. Currently not a part of an exchange program to visit the IIT which they wish to represent.

b. If a student is enrolled in a Joint-Degree program then the following eligibility criteria applies

- i. At least one of the participating Institutes in the joint degree should be an IIT eligible to participate in the InterIIT Tech Meet, said student can only represent an IIT which is eligible,
- ii. Currently enrolled in a full time offline academic program whose entire duration should be greater than 18 months,

- iii. Complete at least one semester at the IIT on behalf of which they wish to participate before the commencement of the offline event,
 - iv. Currently not a part of an exchange program to visit the IIT on behalf of which they wish to participate.
- c. If the candidate is eligible to participate on behalf of more than one IIT, they can choose the IIT they wish to represent. A student can represent only one IIT in a given edition of InterIIT Tech Meet.
- d. It shall be the sole responsibility of the representatives of each participating IIT to ensure that only eligible students are registered for participation. The Organising Committee reserves the right to verify the eligibility of registered students. Any deviation from the prescribed norms or non-compliance with the eligibility criteria shall result in the disqualification of the concerned contingent from the specific problem statement(s) involved.

X. Event Structure

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

X.1. Inauguration Ceremony

- a. 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.

X.X.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."

X.2. Collaborative and Networking Events

- a. 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.

X.3. Competitive Events

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

c. 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:

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

X.X.3.1. Categorisation of Competitive Events

a. The ~~Host-IT~~ Organising Team shall propose categorisation of competition based on the following criteria:

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

b. The ~~Host-IT~~ Organising Team shall be presenting the categorisation adopted by them during first tech board meeting. ~~Host-IT~~ Organising Team 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-IT~~ Organising Team fails to get a majority in voting for their proposed categorisation, they shall follow the competition categorisation structure as presented below.

c. Competitions have been categorised as follows:

i. **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

ii. **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.

iii. **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.

iv. **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.

d. 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.

X.4. Closing Ceremony

a. 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.

XI. General Rules

- i. 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.
- ii. The Host IIT shall be responsible for drafting the Rule Book, which shall comprise of
 - (a) the rules and regulations which all the participating IITs must abide by,
 - (b) the maximum size of the contingent for individual events in High Prep, Mid Prep and Low/No Prep categories,
 - (c) the list of tentative domains and event details planned for the year,
 - (d) a detailed scoring system for each of High Prep, Mid Prep and Low/No Prep events,
 - (e) any additional rules for penalties applied to various violations,and shall be accepted pending ratification at the Board meeting.
- iii. The name of IITs shall strictly not be disclosed at any point of time during the competition to the judges.
- iv. 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.
- v. The Host IIT is expected to release the tentative list of domains at the earliest, which is to be notified through the communication channel.
- vi. 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.

XI.1. Code of Conduct

- i. 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,
- ii. 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.

- iii. 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,
- iv. 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.
 - i. 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.
 - ii. The Organising Team shall be responsible for drafting the Rule Book which outlines important information for that edition of InterIIT Tech Meet and shall be accepted pending ratification at the Board meeting.
 - iii. The name of IITs shall strictly not be disclosed at any point of time during the competition to the judges.
 - iv. The Organising Team is expected to set up 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.
 - v. The Organising Team is expected to release the tentative list of domains at the earliest, which is to be notified through the communication channel.
 - vi. It is mandatory for the Organising Team 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.

XI.2. Code of Conduct

- i. 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,
- ii. 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.

- iii. 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,
- iv. 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.

XI.3. Rulebook

The rulebook should mandatorily contain the following:

- i. The rules and regulations which all the participating IITs must abide by,
- ii. List of prohibited areas and activities in the Host IIT,
- iii. Dates of the offline InterIIT Tech Meet with date and time of commencement and termination of accommodation and food services,
- iv. The maximum size of the contingent for individual events, such as, in High Prep, Mid Prep and Low/No Prep categories,
- v. The list of tentative domains and event details planned for the year,
- vi. Dates and/or date ranges for release of different problem statements and/or events
- vii. A detailed scoring system for each of High Prep, Mid Prep and Low/No Prep events,
- viii. Last date of submission deadline of the problem statements. This date should be no later than 3 days prior to the date of commencement of the Tech Meet,
- ix. Official Communication forum(s) that will be used during the Tech Meet. In case multiple forums are used, a clear set of precedence should be mentioned,
- x. Detailed guidelines of procedure of registration of participating IITs, their admin members and participants of individual events,
- xi. Registration, food, accommodation and any other fees that is to be paid by the participating IITs and/or its admin/participants along with appropriate deadlines and procedure of payment and verification,
- xii. Discuss the format of submission of problem statements as well as a contingency submission route in case of emergencies,

- xiii. Any additional rules for penalties applied to various violations,
- xiv. Final date or date-range of release of any submission guidelines for individual events before the deadline of the full submission,
- xv. Deadline of submission of any and all mid-term and end-term submissions of problem statements,
- xvi. Discuss policy on usage of paid API/software in generating solutions,
- xvii. Discuss policy on any on-spot type evaluation,
- xviii. Discuss policy on IP rights for individual events,
- xix. Guidelines and procedure of handling contentions,
- xx. Details of Convener(s).

XII. Results & Ranking

XII.1. Judges

a. 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. 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.)

- i. The scores of the teams shall be normalized according to the mean of the scores acquired by all the participants,
- ii. 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,
- iii. The scores of the remaining teams shall be normalized again according to the mean of the scores acquired by the remaining participants,
- iv. 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,
- v. The scores of the remaining teams shall be normalized again according to the mean of the scores acquired by the remaining participants,
- vi. 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,

- vii. 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,
- viii. 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),
- ix. 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,
- x. 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,
- xi. No two events in the same category shall have different event points,
- xii. Individual awards (bonuses of any kind), if any, shall not contribute towards the overall tally.

XII.3. Penalties

- a. 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 Organising Team, and subjected to ratification by the Tech Board.
 - i. In the event that any two IITs are found guilty of plagiarism, both IITs will be disqualified from participation in that particular event,
 - ii. 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,
 - iii. Late submissions shall attract penalty on the points allocated to that stage of the event, according as
 - (a) for delays up to 10 minutes - a penalty of 25% shall be levied,
 - (b) for delays between 10 and 60 minutes - a penalty of 75% shall be levied,
 - (c) for delays beyond 60 minutes - a penalty of 100% shall be levied,
 - iv. Exceeding the allotted time during the final presentation shall attract penalty on the points allocated to that stage of the event, according as

- (a) by less than 10 seconds - a penalty of 5% penalty shall be levied,
 - (b) by a time between 10 and 30 seconds - a penalty of 10% shall be levied,
 - (c) by a time between 30 and 60 seconds - a penalty of 15% shall be levied,
 - (d) by a time greater than 60 seconds - a penalty of 25% shall be levied,
- v. 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.
 - vi. Possession and display of the InterIIT Tech Meet ID Card, issued by Organising Team, during presentations of problem statements, shall not be considered a breach of anonymity or incur any penalties related to disclosure of identity before the judges.
 - vii. Display of name of the participant during presentations in individual events will not be considered as breach of anonymity or incur any penalties related to disclosure of identity before the judges.

XII.4. Trophies & Certificates

- a. 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.
- b. The Overall General Championship Trophy of the InterIIT Tech Meet will be a rolling trophy, awarded annually to the IIT securing the highest overall score across all events.
- c. In the event that an IIT wins the Overall General Championship for three consecutive years, that IIT shall be conferred permanent ownership of the trophy. A new trophy shall thereafter be made for subsequent editions of the Tech Meet.
- d. The IIT declared as the overall winner will be responsible for the safekeeping of the trophy and must physically return the trophy to the Organising Committee of the next Host IIT within a stipulated time prior to the commencement of the opening ceremony of the following Tech Meet. In case of damage, it should be reported to the Host IIT and the trophy should still be returned to the Host IIT.
- e. Failure to comply will result in withholding of overall scores for that IIT for a period of 1 year.
- i. 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,

- ii. 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,
- iii. 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,
- iv. 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,
- v. 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,
- vi. Certificate of honor and a memento shall be awarded to all members winning the Gold/Silver/Bronze medals in a particular event,
- vii. 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

- a. 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.
- b. 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

a. 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.

XIV.1. Rights

- i. The Organising Team shall foster collaborations that reserve IP rights of any technology developed with the Individual, Group of Individuals, or Organisation who developed it.
- ii. In the interest of upholding the quality of problem statements or other collaborations, the collaborating organization may hold a certain share of IP rights. In such a case, appropriate information shall be conveyed at/before the launch of the event or the release of the problem statement, whichever is later.
- iii. The Organising Team/Host IIT cannot claim/hold rights to any technology developed as a part of the InterIIT Tech Meet.

XIV.2. Protection

a. 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. 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.
- b. The first and the last Tech Board Meet of a given year should have mandatory Open-Floor Sessions to take applications for amendments for all members of the Board. The guidelines of conducting such a session had been detailed in appendix B

A. Code for Scoring

```

1 import pandas as pd
2 import numpy as np
3 from scipy.stats import rankdata
4
5 def get_scores(scores, max_score, scale_factor=0.9):
6     podium = {'Gold': [], 'Silver': [], 'Bronze': []}
7     scores = scores.sort_values(by=['Score'], ascending=False)
8     scores = scores[scores['Score']>0].reset_index(drop=True)
9     # return scores
10
11     # Gold
12     scores_gold = scores.copy(deep=True).reset_index(drop=True)
13     scores_gold['Norm'] = (scores_gold['Score'] - scores_gold['Score']
14     '.mean())/(scores_gold['Score'].max() - scores_gold['Score'].
15     mean())
16     if (scores_gold['Norm']==1).sum() > 1:
17         podium['Gold'] = list(scores_gold[scores_gold['Norm']==1]['
18         Team'])
19     elif scores_gold['Norm'][0] - scores_gold['Norm'][1] <= 0.05 and
20     scores_gold['Norm'][1] != scores_gold['Norm'][2]:
21         podium['Gold'] = [scores_gold['Team'][0], scores_gold['Team']
22         ][1]]
23     else:
24         podium['Gold'] = [scores_gold['Team'][0]]
25     cut = len(podium['Gold'])
26
27     # Silver
28     scores_silver = scores.copy(deep=True).iloc[cut:].reset_index(
29     drop=True)
30     scores_silver['Norm'] = (scores_silver['Score'] - scores_silver[
31     'Score'].mean()/(scores_silver['Score'].max() - scores_silver['
32     Score'].mean())
33     if (scores_silver['Norm']==1).sum() > 1:
34         podium['Silver'] = list(scores_silver[scores_silver['Norm']
35         ]==1]['Team'])
36     elif scores_silver['Norm'][0] - scores_silver['Norm'][1] <= 0.05
37     and scores_silver['Norm'][1] != scores_silver['Norm'][2]:
38         podium['Silver'] = [scores_silver['Team'][0], scores_silver[
39         'Team'][1]]
40     else:
41         podium['Silver'] = [scores_silver['Team'][0]]
42     cut += len(podium['Silver'])

```

```

33     # Bronze
34     scores_bronze = scores.copy(deep=True).iloc[cut:].reset_index(
drop=True)
35     scores_bronze['Norm'] = (scores_bronze['Score'] - scores_bronze[
'Score'].mean())/(scores_bronze['Score'].max() - scores_bronze['
Score'].mean())
36     if (scores_bronze['Norm']==1).sum() > 1:
37         podium['Bronze'] = list(scores_bronze[scores_bronze['Norm'
']==1]['Team'])
38     elif scores_bronze['Norm'][0] - scores_bronze['Norm'][1] <= 0.05
and scores_bronze['Norm'][1] != scores_bronze['Norm'][2]:
39         podium['Bronze'] = [scores_bronze['Team'][0], scores_bronze[
'Team'][1]]
40     else:
41         podium['Bronze'] = [scores_bronze['Team'][0]]
42     cut += len(podium['Bronze'])
43
44     # Points
45     scores_points = scores.copy(deep=True).reset_index(drop=True)
46     scores_points['Norm'] = (scores_points['Score'] - scores_points[
scores_points['Score']<=scores_points['Score'].mean()]['Score'].
mean())/(scores_points['Score'].max() - scores_points[
scores_points['Score']<=scores_points['Score'].mean()]['Score'].
mean())
47     scores_points['Norm'] = scores_points['Norm'].apply(lambda x:
max(x, 0))
48     scores_points['Scale'] = [1]*len(podium['Gold']) + [scale_factor
]*len(podium['Silver']) + [scale_factor**2]*len(podium['Bronze'])
+ list(np.power(scale_factor, 2+rankdata(max_score-scores['Score'
']).to_numpy()[cut:], method='min'))
49     scores_points['Point'] = scores_points['Norm'] * scores_points['
Scale'] * max_score
50     scores_points['Point'] = scores_points['Point'].apply(lambda x:
round(max(x, 0.1*max_score) if x > 0 else 0, 2))
51
52     scores_points['Medal'] = ['Gold']*len(podium['Gold']) + ['Silver'
]*len(podium['Silver']) + ['Bronze']*len(podium['Bronze']) + [''
]*(len(scores_points)-cut)
53
54     scores['Point'] = scores_points['Point']
55     scores['Medal'] = scores_points['Medal']
56     scores['Scale'] = scores_points['Scale']
57     scores['Norm'] = scores_points['Norm']
58     del scores_gold, scores_silver, scores_bronze, scores_points
59
60     return scores

```

```
61 # return scores.sort_values(by=['Team'], ascending=True).  
    reset_index(drop=True)
```

B. Open Floor Session

- a. Every application of amendment shall be discussed with the following procedure:
 - i. The Board member presenting the amendment gets an uninterrupted duration to present the amendment.
 - ii. Atmost of 3 questions from other members of the Board shall be taken which should be addressed by the presenting member.
 - iii. A vote is to be taken to decide if such an amendment requires further discussion or it shall be rejected. Each IIT present in the Board Meeting shall get one vote. For an amendment to be taken up for further discussion, it shall receive at least 60% of the votes of the IITs present in the Board Meet, failing to which, the amendment shall be considered rejected.
 - iv. If an amendment is taken up for further discussion, such a discussion shall take place in an orderly fashion moderated by the Chairman, or their appointee, during which the presenting IIT can make minute changes to the structure of the amendment. For any major changes, a fresh application shall be submitted.

C. Mail List

a. The following shall be considered as an email list of members of the InterIIT Tech Board. This list shall be maintained and modified by the Host IIT.

Position	Email
Chairman, InterIIT Tech Board	director@iitb.ac.in
Chairman, InterIIT Tech Meet	dean.sa@iitb.ac.in
Convener, InterIIT Tech Meet	overall.coordinator@interiit-tech.com
Representative (General Secretary or Equivalent) - IIT Bombay	gsectech@iitb.ac.in
Representative (General Secretary or Equivalent) - IIT Delhi	caicgsec@iitd.ac.in
Representative (General Secretary or Equivalent) - IIT Kanpur	sntsecy@iitk.ac.in
Representative (General Secretary or Equivalent) - IIT Kharagpur	gsectsg-tech@hijli.iitkgp.ac.in
Representative (General Secretary or Equivalent) - IIT Madras	sec_cocur@smail.iitm.ac.in
Representative (General Secretary or Equivalent) - IIT Roorkee	gensec.technical@iitr.ac.in
Representative (General Secretary or Equivalent) - IIT Bhubaneswar	gsecsnt.sg@iitbbs.ac.in
Representative (General Secretary or Equivalent) - IIT Gandhinagar	technical.secretary@iitgn.ac.in
Representative (General Secretary or Equivalent) - IIT Hyderabad	scitech_secy@gymkhana.iith.ac.in
Representative (General Secretary or Equivalent) - IIT Jodhpur	gensecy_acac@iitj.ac.in
Representative (General Secretary or Equivalent) - IIT Patna	gensec_tech@iitp.ac.in
Representative (General Secretary or Equivalent) - IIT Ropar	gs.tech@iitrpr.ac.in
Representative (General Secretary or Equivalent) - IIT Indore	gs.scitech@iiti.ac.in
Representative (General Secretary or Equivalent) - IIT Mandi	technical_secretary@students.iitmandi.ac.in

Representative (General Secretary or Equivalent) - IIT Varanasi (BHU)	gensec.sntc@iitbhu.ac.in
Representative (General Secretary or Equivalent) - IIT Palakkad	sec_tech@smail.iitpkd.ac.in
Representative (General Secretary or Equivalent) - IIT Tirupati	technical_sec@iittp.ac.in
Representative (General Secretary or Equivalent) - IIT Dhanbad (ISM)	president_sg@iitism.ac.in
Representative (General Secretary or Equivalent) - IIT Bhilai	gensec_scitech_gymkhana@iitbhilai.ac.in
Representative (General Secretary or Equivalent) - IIT Jammu	academic.secretary@iitjammu.ac.in
Representative (General Secretary or Equivalent) - IIT Dharwad	gstech@iitdh.ac.in
Representative (General Secretary or Equivalent) - IIT Goa	gstechanical@iitgoa.ac.in
Representative (General Secretary or Equivalent) - IIT Guwahati	techsec@iitg.ac.in
