

TL Innovation Challenge

“Sustainable Campus”

7th Inter IIT Tech Meet, IIT Bombay

Preamble

Matters related to sustainable development, albeit global in nature, are best handled at the local level. This line of thinking is particularly true to the higher education context, where the design and implementation of sustainability initiatives on campuses can demonstrate how a given university translates the principles of sustainable development into practice, at the institutional level. Yet, there is a paucity of specific events where a dialogue among sustainability academics and practitioners concerned with a) research, projects b) teaching and c) planning and infrastructure leading to campus greening takes place, so as to allow a transdisciplinary and cross-sectoral exchange of ideas and experiences on the issues, matters and problems at hand.

Through this challenge we wish to start campus-based research and teaching projects, regenerative campus design, low-carbon and zero carbon buildings, waste prevention, and resilient transport, among others. It will also demonstrate the role of campuses as platforms for transformative social learning and research, and explores the means by which university campuses can be made more sustainable.

The aims of this challenge are as follows:

1. To provide universities with an opportunity to obtain information on campus greening and sustainable campus development initiatives from round the world
2. To document and promote information, ideas and experiences acquired in the execution of research, teaching and projects on campus greening and design, especially successful initiatives and good practice
3. To introduce methodological approaches and projects which aim to integrate the topic of sustainable development in campus design and operations.

Problem Statement

- Every contingent will have to identify a problem on their campus addressing which could improve the campus life. The problem should address at least one of the following categories
 - Waste management
 - Water conservation
 - Reduce food wastage

- Reduce power consumption
- The contingent will be evaluated on following parameters
 - Identification of a problem on their campus. A study of the problem providing some numbers which justify why addressing this could have a major impact.
 - Proposing a solution for addressing this problem. Remember that it will be a blend of technology and it's management. The proposed solution should include all these factors and its relevant implementation plan for your campus.
 - Innovation in terms of technology which is used to address the problem.
 - Testing of a Proof-of-Concept for solving the problem. No points will be awarded for just the fabrication of the PoC. Field trials of the device should be submitted for points.
 - Implementation of the solution on your campus

Exact details of event, what is expected from contingents

Category of the competition, event points associated with it

Judging Criteria

Evaluation parameters

Qualifying score

Rules and Regulations

Size of teams

Do's and Don'ts

FAQs

Updates and Clarifications