

# BSSE presents Bioengineering Ideathon

## About BSSE

The Centre for BioSystems Science and Engineering (BSSE) at the Indian Institute of Science (IISc) is a young and dynamic department focused on cutting-edge research in the areas of bioengineering, biotechnology, biomaterials science, biomedical engineering, systems biology, and medicine.

The primary activities of BSSE include the following:

1. Providing intellectual and infrastructural support to perform interdisciplinary research to investigate biological systems.
2. Training and equipping students from undergraduate through postdoctoral research level to pursue academically rigorous and industrially relevant research problems

The major goal of BSSE is to integrate research activities in the aforementioned areas with interactions and collaborations to provide avenues for multidisciplinary research activities with translational outcomes. The ultimate goal is to use engineering tools to better understand the biological scenarios and explore possible diagnostic, therapeutic, and theranostic applications. Research activities in the department are spearheaded by students and faculty, who have procured competitive grants for studies related to bioengineering research.

With sustained efforts from the faculty and students, the Annual BSSE symposium will be organized on January 19 and 21, 2023. The prime objective of the symposium is to acquaint the students and corporate fraternity worldwide to recent developments in bioengineering, particularly immunoengineering, systems biology, and biomedicine. The symposium will enhance the communication network within the research fraternity and also serve as a platform that provides a glimpse of the technological advances in these research areas in India through a series of plenary talks. The symposium will also conduct an ideathon event with an intent to encourage aspiring innovators in bioengineering.

## About the Ideathon

Entrepreneurship and innovation are the driving forces that will steer the world into a brighter future. Great ideas, when nurtured, can pave the way for spectacular success. IDEATHON facilitates this vision by providing a platform for potential ideas to be translated to solve unmet needs in Indian healthcare system.

The broad theme of the ideathon is **Translational medicine**. Ideas will be multidisciplinary in nature and should address a problem or need. The interactive mentoring session will mainly focus on ideation, innovation and implementation.

### **Rules and Regulations:**

- This pitch is open to UGs, JRFs, Project assistants, PGs, PhD students and Post Docs.
- This is a team participation event. Team can consist of at least 1 member to a maximum of 3 members. A person cannot be a part of more than one team.
- You are expected to come up with new and innovative ideas, any kind of plagiarism will lead to disqualification.
- The decision of the organizers/judges will be final and no communication in this regard will be entertained.
- Last date of application – **12<sup>th</sup> Jan 2023**.

### **Prelims:**

Submit your idea here: <https://tinyurl.com/bsse-ideathon>

Based on initial screening, top 10 teams will be called for the finale to IISc Bengaluru on 19<sup>th</sup> Jan 2023.

### **Evaluation Parameters**

The project will be judged by a panel based on the following criteria:

- **Innovativeness:** How innovative / creative / unique is the idea? Was there a novel approach applied to solve the problem?
- **Technical competence:** How technically simple/ sophisticated / advanced was the solution?
- **Social impact:** How impactful is the idea? How will it impact society?
- **Commercial viability:** Is there a business potential? Market value of the product.

**On 15<sup>th</sup> Jan 2023, a mentoring session will be conducted for pitching and refining the idea for the selected finalists.**

**Winners will be awarded exciting cash prizes and certificates**

For further details please contact us at: [rajeshyadav@iisc.ac.in](mailto:rajeshyadav@iisc.ac.in)