



ROBOWORLD – JORHAT ENGINEERING COLLEGE
PRESENTS

ARNAB KISHOR BORDOLOI

YOUNG TECHNOVATOR COMPETITION, 2021



TOPICS

- Robotics
- Health Technology
- Affordable Housing
- Flood
- Agriculture
- Tourism
- Education
- Environment
- Covid-19
- Waste Management
- Miscellaneous (any topic)

STAGE 1 – Abstract Submission

The abstract should be submitted on or before 25th August, 2021.

STAGE 2 – Pitch Presentation

Few selected teams will be informed on 28th August, 2021 and will be called for pitch presentation, i.e. Stage-2. Tentative date is 05th September, 2021.

Team ranks will be decided based on stage-1 and stage-2 results. Top 5 teams will present their ideas during prize distribution ceremony on 9th September, 2021.

FREE REGISTRATION

All teams will get certificates



1st Place – Prize worth ₹6000

1st Runner-up – Prize worth ₹ 4000

Top 3 junior teams – Exciting prizes worth ₹ 2000

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Stage-1 | Problem Statement

Individuals or Teams are required to come up with novel, creative and practical ideas to build a device or solution in any of the given topics.

Topics

- **Robotics**
- **Health Technology**(any technology, including medical devices, IT systems, algorithms, artificial intelligence (AI), cloud and blockchain, designed to support healthcare organizations)
- **Affordable Housing**(modularity, functional designs, and use of innovative technology to reduce the cost of construction, etc)
- **Flood**(innovative solutions for flood prevention, and mitigation, damage control etc)
- **Agriculture**(application of technology to produce more with less, to make the farming process more efficient, from field monitoring to the food supply chain itself)
- **Food**(provide creative and technological solutions to contemporary challenges such as population growth and its repercussions on food security, the digitalisation of society, the effects of climate change, the lack of natural resources, food waste and the environmental impact of food production)
- **Tourism**(application of Information Technology (IT) or Information and Communications Technology (ICT) in the travel, tourism and hospitality industry)
- **Education**(to improve the quality of education and enhance the learning process. Most importantly, technology should magnify the teaching and learning process as well as facilitate better performance of educational systems as it emphasises upon effectiveness and efficiency)
- **Environment**(challenge-oriented approach to solutions that bring together excellent natural sciences, which underpin the development and application of technologies, to understand and deliver a sustainable future)
- **Covid-19**(Innovative solutions to accelerate the development, production and equitable distribution of vaccines, diagnostics and therapeutics for COVID-19, social distancing app and devices, smart mask, automated sanitizer dispenser)
- **Waste Management**(Solutions for providing hygienic, efficient and economic solid waste storage, collection, transportation and treatment or disposal of waste)
- **Miscellaneous topics**



Abstract Format

- a. **Title** (the general topic under study/ the specific topic of your research)
- b. **Objectives** (the central questions or statement of the problem your research addresses)
- c. **Description**
 - **Beneficiaries** (the main reason(s), the exigency, the rationale, the goals for your research)
 - **Method of tackling the problem** (The methods section is usually the second-longest section in the abstract. It should contain enough information to enable the reader to understand what was done, and how.
 - **Proposed solution** (Your proposed solution should relate the current situation to a desired result and describe the benefits that will accrue when the desired result is achieved.)
 - **Technical Details** (The technical part consists of describing how the functionalities will be implemented. Moreover, this part highlights the technical requirements and constraints of the project to meet the needs of end-users)
- d. **Application** (the significance or implications of your findings or arguments)
- e. **Future Prospects** (Describe how, in the short or long term what the project would contribute to)

Event Structure

- i. The competition is divided into 2 stages.
 - a. **Stage 1** - Abstract Submission
 - b. **Stage 2** - Pitch Presentation¹
- ii. The abstract should be submitted on or before 25 August 2021.
- iii. Few selected teams will be informed on 28 August 2021 and will be called for pitch presentation i.e. Stage-2(tentative date-05/09/2021).
- iv. The winners will be decided based on Stage-1 and Stage-2 scores.
- v. Top 5 teams would be required to present their ideas during the prize distribution ceremony on 09 September 2021.



Prize

- i. A prize distribution ceremony ² will be held on 09/09/2021.
- ii. The prizes for the winners are as follows:
 - **1st Place** - Rs. 6000 worth prize
 - **1st Runner-up** - Rs. 4000 worth prize
 - **Exciting prize for 3 Junior Teams**- Rs. 2000 worth prize
 - **E-certificates** for all participants.

Rules

- a. The ideas must be novel and based on practicality.
- b. The ideas may be from the given topics but not necessarily limited by it.
- c. The ideas must be submitted in the form of Abstract.
- d. The above "Abstract Format" may be referred to.
- e. The abstract should not exceed 500 words
- f. Deadlines are to be strictly followed for abstract submission.
- g. The Judge's decision will remain final in all respects.
- h. Any changes will be notified.

Team details

- a. Each team may consist of a maximum of 4 members.
- b. Individuals will also be considered as a single member team.
- c. Each team should have a team name.
- d. The team leader is responsible for registration.
- e. The team members must be students of Jorhat Engineering College.



Abstract Evaluation

- Abstract
- Novelty, Creativity, Practicality and Effectiveness
- Solution
- Technical Details
- Application and Future Prospects

Submission

- The team must submit their Abstract along with the registration forms(Google Form) given below.
- The last date for registration as well as abstract submission is on or before 25th August 2021.
- “https://docs.google.com/forms/d/e/1FAIpQLSchVXWIZ6ivBG6VevIEaDJxcYAkTKimMvYPKOuRSMA84ZsOHw/viewform?usp=sf_link”

Contact Us

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Note


1. Pitch Presentation dates, information and format will be available soon.
2. Preferably online through G-meet or Zoom, keeping the current situation in mind.

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