ROBOANALYZER-BASED ONLINE COMPETITION AS A VIRTUAL SUMMER INTERNSHIP (ROC 2022)

SELF-DRIVEN   SELF-LEARNING   SELF-EVALUATING

THEME

Role of Robotics in achieving United Nations Development Program's Sustainable Development Goals and Approach for Possible Solution or Part of Solution using RoboAnalyzer.

ELIGIBILITY

Students/ Faculty Members/ Employees of any Institutions interested in robotics.

MODALITY

This online event "RoboAnalyzer based Online Competition (ROC) as Virtual Summer Internship" will be conducted by Embedded Systems and Robotics Lab, Tezpur University, in collaboration with the two main developers of the RoboAnalyzer software, Professor Subir K. Saha, Indian Institute of Technology Delhi and Mr. Rajeevlochana C.G., Amrita Vishwa Vidyapeetham, Bengaluru.

TEAM

Team of four members will be made having one as coordinator, and another one as co-coordinator. Teams will be made by the organizer and will be displayed on the websites www.tezu.ernet.in and www.roboanalyzer.com .

IMPORTANT DATES

Call for participation : 1st April 2022
Last Date of Registration: 20th May 2022
Announcement of Teams : 30th May 2022
Date of Webinar: 12th June 2022
Date of interactions: 18th and 25th June 2022 (Saturday evenings)
Final Day of Competition: 9th July 2022
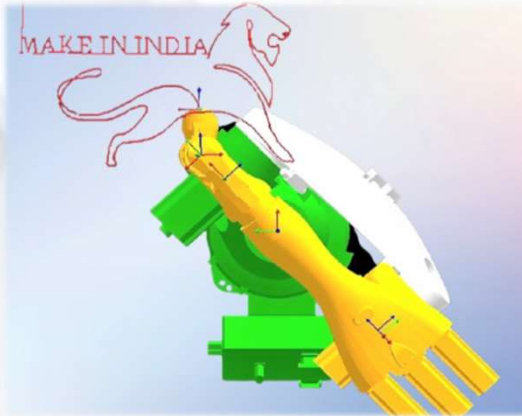
PROGRAMME

- Following the team formation, the participants will be participating online for a one day webinar. The programme will be as follows:

  10:00 to 10:30 Hours: Inaugural Speech by Professor Subir K. Saha, IIT Delhi, India
  10:30 to 11:00 Hours: Speech by Ratan Othayoth (RA-Ambassador), Johns Hopkins University, United States
  11:00 to 11:30 Hours: Introduction to Robotics
  11:30 to 12:30 Hours: Introduction to RoboAnalyzer and Problem Statement

- Several online interactive sessions (group-wise) with the participants will be kept for discussion on their progress and doubt clearing.

- The teams shall be working on the problem statement inculcating innovative in their approach.

- Following the interactive sessions, participants will be asked to upload a video presentation of 3 minutes duration along with six slides. The template for first slide of the presentation will be provided to the teams.

- The presentation of each group will be provided to other fellow groups for evaluation.

- On the Final day, the video will be demonstrated to a panel for evaluation, remarks and question answer to the participants.

- The best team will be selected based on the question answer and video presentation session and will be awarded with a book "RoCK-BEE by S. K. Saha".

BENEFITS

- Opportunity to correlate the concept of classroom knowledge into practice.
- Experience to work in a team with members across the country (and possibly the world).
- Skill of making a good presentation and becoming industry-ready.
- A few of the selected participants may get an opportunity for summer/winter internship at Embedded Systems and Robotics Lab, Tezpur University with virtual tour to the Robotics Lab at IIT Delhi.

CERTIFICATION

On successful completion of the competition, the participant names will be recorded in the RoboAnalyzer and Embedded Systems and Robotics Lab (ERL) websites along with the slides and videos submitted by the teams. This activity follows a strict "No Explicit Certificate policy", i.e., the participants will not be given any certificate. Their work can be claimed by referring to their project details that shall be put on the RoboAnalyzer and ERL websites.

ORGANIZING TEAM

- Dr. Nayan M Kakoty, Tezpur University, Assam
- Dr. Zahnupriya Kalita, Tezpur University, Assam
- Mr. Abhijit Boruah, Dibrugarh University, Assam
- Dr. Manashita Borah, Tezpur University, Assam
- Mr. Rajeevlochana C. G., Amrita Vishwa Vidyapeetham, Bengaluru Campus
- Prof. Subir K. Saha, IIT Delhi, New Delhi.

REGISTRATION

Registration fee: Free
Online Application Link:
https://forms.gle/STZZaomv9wEgcfZh9