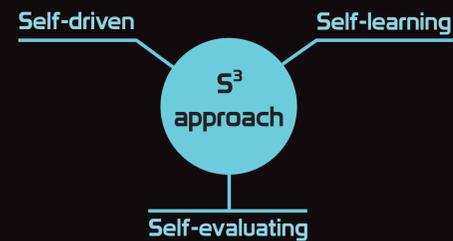


BRIEF

Learn the textbook concepts of Robotics through realization and visualization using RoboAnalyzer.



MODALITY

This online event “RoboAnalyzer-based Online Competition (ROC)” will be conducted by Dr. Nayan M. Kakoty of the Embedded Systems and Robotics Lab, Tezpur University, in collaboration with the two main developers of the RoboAnalyzer software, Mr. Rajeevlochana C. G. of Amrita Vishwa Vidyapeetham, Bengaluru Campus and Prof. Subir K. Saha of IIT Delhi.

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

Date of Announcement of Call for Participation: September 5, 2020

Last date for registration: October 2, 2020

Date of announcement of the teams: October 5, 2020

Date of Webinar: October 12, 2020 (Start date of the ROC: 5 weeks)

Date of Interaction: Around October 26, 2020

Date submission of video and .pdf of six slides: November 16, 2020 (End date)

Final Day of interaction: November 30, 2020

BENEFITS OF PARTICIPANTS

- Opportunity to correlate the concept of classroom knowledge of robotics into practice.
- Experience to work in a team with members across the country (and possibly the World)
- Skill of making a good presentation
- Becoming industry-ready

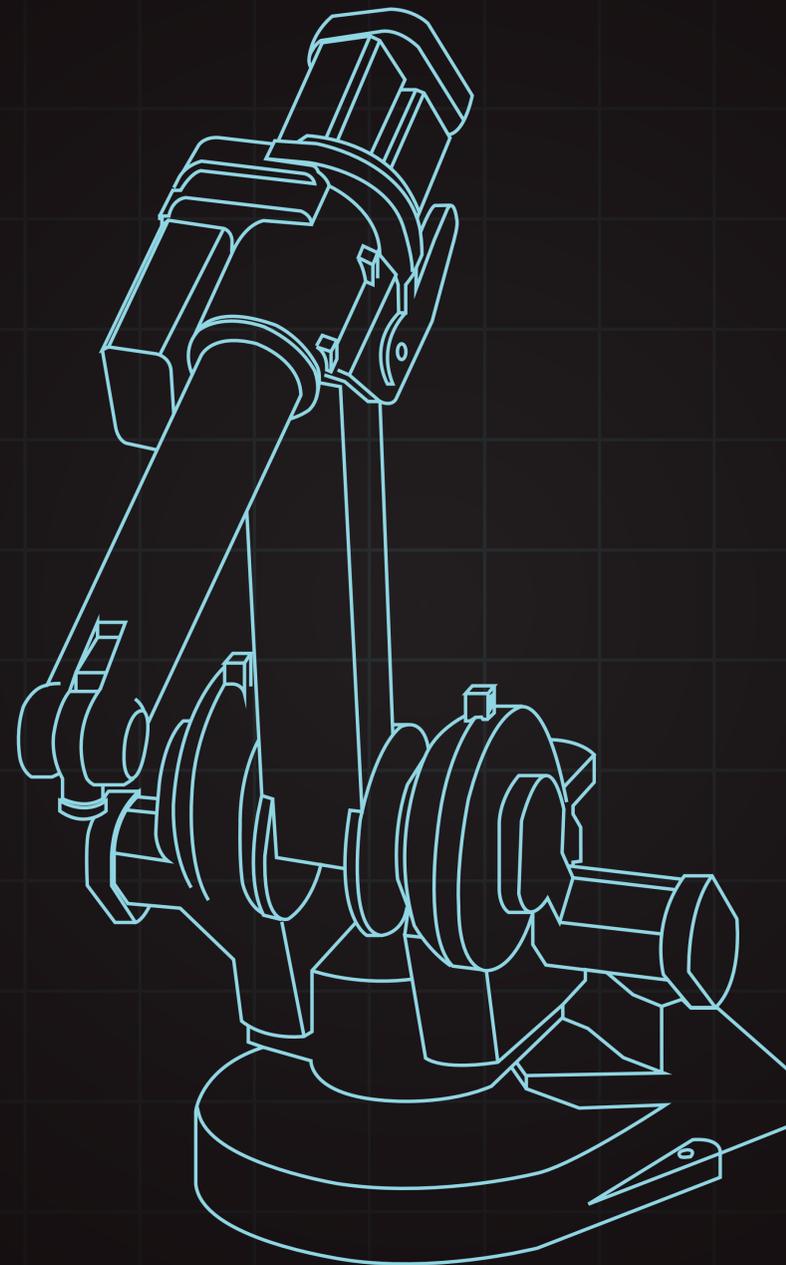
REGISTRATION

Registration Fee: Free

Online Application Link: <https://forms.gle/mIRxXbUEnrAaRQec7>

Contact Email: ra2020oc@gmail.com

ROC



PROGRAMME

- **Online webinar:** An online webinar for about half a day with the tentative programme as follows:
 - 10:00 Hours to 10:30 Hours: Inaugural Speech by Professor Subir K. Saha
 - 10:30 Hours to 11:00 Hours: Introduction to Robotics
 - 11:00 Hours to 12:30 Hours: Learn Robotics using RoboAnalyzer
 - 12:30 Hours to 13:00 Hours: Briefing of the problem statement for the competition
- **Online interaction session:** A group-wise online interaction session for a few hours will be arranged after about a week from the start of the ROC.
- At the end of the ROC, participants will be asked to upload a video presentation of 3 minutes duration along with six slides in .pdf.
- Three teams will evaluate one team in a circular way, i.e., Team 1 will be evaluated by Teams 2, 3, and 4, and will give marks out of 10.
- On the final day the video will be demonstrated to a panel of experts for comments, and Q&A.
- The best team will be selected based on the peer evaluation and the Q&A session on the final day and will be awarded with a book “Introduction to Robotics by S. K. Saha”.
- On successful completion of the competition, the participant names will be listed on the ROC website.

CERTIFICATION

No explicit certificate will be provided by the organizer. However, a self-certified page will be created by the participant by making six slides in one page. On the title they **MUST** add

“We certify that this project was undertaken by us for the RoboAnalyzer-based Online Competition (ROC) conducted by Dr. Nayan M. Kakoty of Tezpur University in collaboration with Prof. S. K. Saha of IIT Delhi and Mr. Rajeevlochan C. G. of Amrita Vishwa Vidyapeetham, Bengaluru Campus during October 12, 2020 to November 30, 2020.”

The organizers are exploring to put up this one page on their webpage as a valid documentation presented to the organizer.

ORGANIZING TEAM

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

RoboAnalyzer-based Online Competition