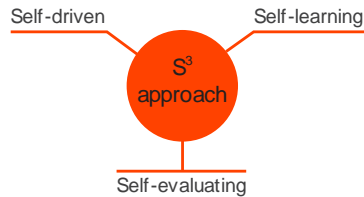# MOC

MechAnalyzer based Online Competition (MOC) as Virtual Internship (Aug.-Sept. 2021)

Brief

Learn the textbook concepts of mechanisms through realization and visualization using MechAnalyzer software.

Eligibility

Students of any college/university interested in mechanisms.

Modality

This online event "MechAnalyzer based Online Competition (MOC) as Virtual Summer Internship" will be conducted in collaboration with the two main developers of the MechAnalyzer software, Prof. Subir K. Saha of IIT Delhi and Mr. Rajeevlochana C.G. of Amrita Vishwa Vidyapeetham (Bengaluru), and IEC College of Engineering and Technology, Greater Noida.

Team

Teams having one coordinator and one co-coordinator, will be made by the organizing team and will be displayed on the website http://www.roboanalyzer.com/moc.html

Important Dates

- ❖ Call for Participation: July 10, 2021
- ❖ Last Date for Registration: Aug. 4, 2021
- ❖ Formation of the Teams: Aug. 11, 2021
- ❖ Webinar: Aug. 14, 2021 (Saturday)
- ❖ Dates of Interaction: Aug. 28, Sept. 4, 2021 (Saturday evenings)
- ❖ Video and Slides Submission: Sept. 12, 2021 (Sunday)
- ❖ Peer Review: Sept. 19, 2021 (Sunday)
- ❖ Mega Competition: Sept. 25, 2021 (Saturday evening)

Benefits to Participants

- ❖ Opportunity to correlate the concepts of classroom knowledge of mechanisms into practice
- ❖ Experience to work in a team with members across the country (and possibly the World)
- ❖ Art of making excellent presentations
- ❖ Becoming industry-ready
- ❖ Possible opportunity of summer/winter internship with MechAnalyzer team to add new modules
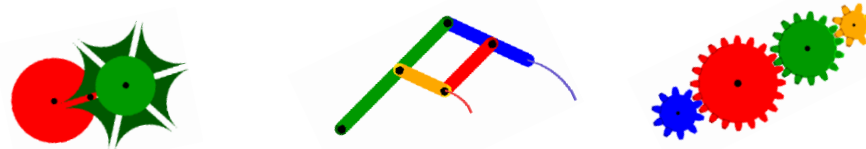
Programme

Following the team formation, the participants shall attend a one-day webinar on Aug. 14, 2021 (Saturday)

The tentative schedule of the Webinar on Aug 14, 2021:

10:00 to 10:30 Hours : Inaugural Talk by Professor Subir K. Saha, IIT Delhi
10:30 to 11:00 Hours : Technical Talk by Dr. Majid Hameed Koul, IUST, Srinagar
11:00 to 12:30 Hours : Introduction to MechAnalyzer
12:30 to 13:00 Hours : Briefing of the problem statement for the competition
13:00 to 14:00 Hours : Break
14:00 to 16:00 Hours : Hands-on Session using MechAnalyzer and doubt clearing of the participants about the problem statement and competition

- ❖ Several online interaction sessions (group-wise) with the participants will be kept to monitor their progress and doubt clearing. One of the later sessions will also emphasize on technical writing so that they can try to take up their work in the form of a decent publication.
- ❖ The teams shall be working on open-ended problem, thus allowing the teams to be innovative in their approach.
- ❖ Following the interaction session, participants will be asked to upload a video presentation of three 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 peer groups for evaluation.
- ❖ On the Final day, the submitted videos and the slides will be reviewed by a panel of experts for evaluation and feedback to the participating teams.
- ❖ The best team(s) in the competition will be rewarded and publicized on the MechAnalyzer website.

Certification

On successful completion of the competition, the participant names will be published on the MechAnalyzer website along with the slides 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 MechAnalyzer website.

Organizing Team

- ❖ Dr. Vinay Gupta, IEC College of Engineering and Technology, Greater Noida
- ❖ Dr. Ashish Singla, Thapar Institute of Engineering and Technology, Patiala
- ❖ Dr. Majid Hameed Koul, IUST, Srinagar
- ❖ Dr. Parmanand V. Nandihal, Sister Nivedita University, Kolkata
- ❖ Dr. Anil Sharma, LG Soft India Ltd., Greater Noida
- ❖ Mr. Rajeevlochana C. G., Amrita Vishwa Vidyapeetham, Bengaluru
- ❖ Prof. Subir K. Saha, IIT Delhi, New Delhi

Registration

- ❖ Registration Charges: Free
- ❖ Online Application Link: https://forms.gle/9KqBiipuWXa1BtRB9
- ❖ Contact Email: mechanalyzer21@gmail.com
- ❖ Website: http://www.roboanalyzer.com/moc.html