

Three Day Hands-on Workshop

on

Simulation of Robotic Manipulators

Jan 27-29, 2022

Jointly organized by IHFC and MTAB

Robotics Simulation gives design validation as well as helps to preview the working of the robot. This hands-on workshop aims at introducing robotic manipulator concepts and applications using simulation tools. Three such simulation tools, namely, RoboAnalyzer, AristoSIM, WorkspaceLT are introduced to the participants. Engineering students, teachers and young working professionals from industry can experience and gain knowledge of robotic arm design and deployment through case studies.

Program Schedule

Date	Time	Topic	Expert
Jan 27 Thu.	10:00 – 11:30 AM	Introduction to Robotic Manipulators: Forward Kinematics & Introduction to <u>RoboAnalyzer</u>	<u>Prof. S.K. Saha, IIT Delhi</u>
	11:30 – 1:00 PM	Practice Session in RoboAnalyzer	Mr. Yogendra Mahajan, MTAB Dr. Venkat Bokka, IHFC
	2:00 – 5:00 PM	Assignment Session	Mr. Yogendra Mahajan, MTAB Dr. Venkat Bokka, IHFC
Jan 28 Fri.	10:00 – 11:30 AM	Inverse Kinematics	Prof. S.K. Saha, IIT Delhi
	11:30 – 1:00 PM	Assignment Session in RoboAnalyzer	Mr. Yogendra Mahajan, MTAB Dr. Venkat Bokka, IHFC
	2:00 – 3:30 PM	Material Handling Application using <u>AristoSIM</u>	Mr. Yogendra Mahajan, MTAB

	3:30 – 5:00 PM	Practice Session in AristoSIM	Mr. Yogendra Mahajan, MTAB
Jan 29 Sat.	10:00 – 11:30 AM	Welding Application using Workspace LT	Mr. Yogendra Mahajan, MTAB
	11:30 – 1:00 PM	Practice Session in Workspace LT	Mr. Yogendra Mahajan, MTAB
	2:00 – 5:00 PM	Assignment Session in AristoSIM & Workspace LT	Mr. Yogendra Mahajan, MTAB Dr. Venkat Bokka, IHFC

Last Date for Registration: Jan 25, 2022, 11:59 PM IST

Registration Fee (including GST):

Students (UG/PG): ₹ 6,000/-

Faculty: ₹ 9,000/-

Industry: ₹ 12,000/-

Note: Registration Fee is non-refundable. Fee once paid shall not be refunded.

For more details visit the program webpage at www.ihfc.co.in/Sorm

For program related queries and for bulk/group registrations or nomination of employees by organizations, please write to

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