

# Online Short Term Course on "Robot Learning and Control"



02-13 November, 2020

Centre for Continuing Education (CCE)

Indian Institute of Science, Bangalore, India - 560012

## Course Content:

This course will explore the new area of interaction between learning and control specifically applied to robotic systems, both from a foundational level together with a view toward application. The course will first build the necessary framework to understand robot kinematics and dynamics, sensing and estimation, machine learning and control. With these fundamentals, we will then study methodologies for learning, control and deployment of a wide variety of behaviors/tasks in robotic systems.

## Minimum Qualification Required:

B.Tech, B.E

## Course Coordinator:

- Shishir N Y, Assistant Professor, Robert Bosch Center for Cyber Physical Systems (RBCCPS), CSA Dept., Indian Institute of Science, Bangalore – 560012

## Prerequisites:

Basics of linear algebra and probability theory

Email: [shishirk@iisc.ac.in](mailto:shishirk@iisc.ac.in)

**Registration:** This course can be attended only by registration. The number of participants is limited to 30-40. The registration will be accepted on a first-come first-served basis.

**Duration:** 02 – 13 November, 2020 (two weeks)

Apply online at: <http://cce.iisc.ac.in/ssp-stc.html>

**The registration fee is INR 10000 +18% GST**

**Last Date to Apply: 28/10/2020**

**Note: Classes will be conducted via Microsoft Teams.**