

Joint Online Two Weeks Certificate Program

Social Robotics

June 28 – July 4, 2021

E & ICT Academy at PDPM Indian Institute of Information
Technology, Design and Manufacturing, Jabalpur

Jointly Organized by:
MNIT Jaipur
PDPM IITDM Jabalpur
NIT Patna

Objective & Scope

The course imparts in depth knowledge on Social Robotics.

Speakers (tentative)

- Prof. Ashish Dutta, Professor, IIT Kanpur
- Prof. Aparajita Ojha, Professor, PDPM IITDM Jabalpur
- Prof. Domineco Prattichizzo, University of Siena, Italy
- Dr. Madan Mohan Dabbeeru, Rakuten India
- Prof. T. Matsumaru, Waseda University, Japan
- Prof. Tomohiro Shibata, Kyushu University, Japan
- Prof. Vijay Kumar Gupta, Professor, PDPM IITDM Jabalpur
- Prof. V.M. Gadre, Professor, IIT Bombay
- Dr. Shantha Kumar Mohan, IIT Palakkad

Key Features

- Online / Live lectures sessions by subject experts.
- Comprehensive tutorials and practice notes.
- Online lab and training sessions.
- Follow up sessions and discussion forums on research problems and internships.

Last Date for registration

June 25, 2021

Principal Coordinator

Prof. V K Gupta
IITDM Jabalpur
vk Gupta@iiitdmj.ac.in
Ph: +91-761-2794413



Course Contents

- Introduction to Robotics
- Robot Kinematics
- Wheeled Mobile Robots
- Artificial Intelligence and Machine Learning
- Deep Learning for Computer Vision
- Path and Trajectory Planning
- Reinforcement Learning
- Robots in healthcare
- Robot Control and Design
- Rehabilitation Robotics

Course Fee Details

Academic (student/faculty): 500 INR

Industry People : 1000 INR

Others : 1000 INR

Foreign Participants: 4000 INR

Online payment details:-

Bank Name: INDIAN BANK

A/C No. : 50302042708

IFSC Code: IDIB000M694

Branch: Mehganwan, IITDM Branch

For more details and application form visit:

<https://www.iiitdmj.ac.in/ict.iiitdmj.ac.in/Autumn-2021/social-robotics.html>

Contact Email: ritu.bhatnagar@iiitdmj.ac.in