



SRES's

SHREE RAMCHANDRA COLLEGE OF ENGINEERING

Lonikand, Pune – 412216

Report of an Event

❖ **Title of Event:** AICTE Sponsored Six Days Online Short Term Training Programme (STTP) On“ Recent Advances in Industrial Robotics and Applications” 23 to 28 November 2020

- **Date:**23 to 28 November 2020
- **Time:** 11.00 AM to 01.00 PM and 02.00to 04.00 PM Daily (IST)
- **Platform Name of Event:**Online: Microsoft Teams
- **Event Link:** https://teams.microsoft.com//meetup-join/19:meeting_ZWM0ZDQxMzktMGI2ZC00ZWU4LWJkMmYtMTIwYWY4MjllYzZm@thread.v2/0?context=%7B%22Tid%22:%22372f4bb0-1399-406c-878e-27b9f01d8fa3%22,%22Oid%22:%22d1171eb9-f942-4ba6-8bac-0508f75efe65%22%7D

❖ **Name of Organizer:** SRCOE

Name of Speaker:

- Dr:NikhilMariwala,
- Dr. C Sabarinathan,
- Dr.B.Meenakshipriya,
- Dr.B.Meenakshipriya,
- Sandeep Kumar,
- Prof. Dr. BharatkumarBhagatraj Ahuja
- Prof:Dr.D.K.Pratihar



- Prof: Dr.G. Kalaiarasan
- Mr. Bhupendrasingh Thakur
- Ms.ShivangiBhave

➤ **Objective of Event:** The aim of this STTP is to provide up gradation of knowledge and skills for students, research scholars and faculties involved in active research area of Industrial Robotics& applications.

➤ **Topics Covered:**

- Introduction to Machine Learning and role in Robotics
- Forward and inverse kinematics, velocity kinematics
- Hyper redundant robots for cluttered environment
- Artificial Intelligence &its Application in Robotics
- Robotics Process Automation
- How to handle Big Data in Manufacturing Process Simulations
- Robotics using Matlab
- Advanced Robotics
- Basic Kinematics, Dynamics and Motion Planning for Robot Manipulators
- Hyper redundant robots for cluttered environment
- Control of manipulators



