



**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](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

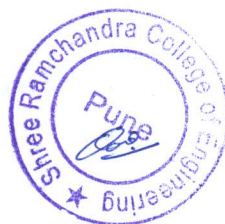


- Prof: Dr.G. Kalaiarasan
- Mr. Bhupendrasingh Thakur
- Ms.ShivangiBhave

➤ **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



➤ **Detailed Summary:**

- The influence of Robots in industries and society has been increased rapidly. There are almost all the areas in which we find the application of robotic technology and hence the robotic research field is expanding. Researchers around the globe are involved in advanced robotic systems to address the challenges. Keeping this in mind, to make the faculties of Engineering Institutions up-to-date in these areas, AICTE Sponsored Six Days Online Short Term Training Programme (STTP) On “Recent Advances in Industrial Robotics and Applications” was organized by SRCOE on 23 to 28 November 2020.
- The STTP program was inaugurated by lighting the holy Deep by Prof. Dr. Bharatkumar Bhagatraj Ahuja, Director, College of Engineering, Pune on the above dates in presence of all the dignitaries. The eminent personalities got for this STTP was from various streams and areas for various esteemed organizations and IITs some of them were Department Electronics and Communication Engineering Department, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, Pehowa Road, University, Haryana 136119, India, Hindusthan College of Engineering and Technology, Pollachi Main Rd, Coimbatore 641050, Tamil Nadu, India, Indian Institute of Technology Kharagpur, Kharagpur-721302, Engineering, Department of Design and Automation Vellore Institute of Technology, VIT university, Vellore – 632014, Tamil Nadu, India, School Of Mechanical Engineering, Department of Design and Automation Vellore Institute of Technology, VIT university, Vellore – 632014, Tamil Nadu, India, Metamorphosis Engitech India Private Limited - Unit I :- Gat No 1261, Sanaswadi, Pune Nagar Road, Tal Shirur Dist- Pune 412208, Pune, Maharashtra, India and few of them are from industries.
- **Conclusion Remarks:** Hopefully such STTPs would percolate advances in relevant technologies aimed at improving the quality of the teaching-learning process. This will encourage the teachers and students to take up the challenges in such interdisciplinary and multidisciplinary subjects as Robotics and applications.



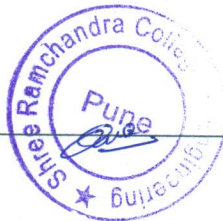
✓ **Attended by: Few Names**

Sr. No.	Name	Sr. No.	Name
1	Atul Bobade	35	Vaibhav Vijay Khond
2	Dhananjay Anant Wagholikar	36	Vidyadhar Balkrishna Rajmane
3	Dr. Avinash Shivajirao Chavanpatil	37	Hredeya Mishra
4	G Suganya	38	Gayatri Surendra Patil
5	Hemant Dadasaheb Supekar	39	V. Hariramsingh
6	Kiliyabban R	40	Hemant ChandraraharPisal
7	Nayani Kishore Nath	41	Kalaiarassan
8	Labid Bin Bashar	42	Mandar Ashokrao Vahadne
9	A. Nagaswathy	43	Manisha Abhijeet Nalawade
10	Illambirai N	44	Nikhil Pramod Ambole
11	Nagraj Shrihari Dixit	45	Patil Nivrutti Vishram
12	Nilesh Vijay Sabnis	46	Parkhe Ravindra Ambadas
13	Pawan Kumar Arora	47	Abreeque Faryal
14	Prashant Ramaji Gawalkar	48	Bhushan Ashok Burkule
15	Pritam Pandurang Kudale	49	Geetanjali Sharad Dhende
16	Raja P	50	Kundlik Balasaheb Kshirsagar
17	Russel M. Castillo	51	Ram Bansal
18	Saleem S Tevaramani	52	Rahulkumar Madhukar Sonar
19	Sayli Girish Gokhale	53	Sagar
20	Shreepad Sarange	54	Swapnil V Kasar
21	Shrikant Belsare	55	Parkash Tambare
22	Sivasakthi S	56	Naresh Ashok Jadhav
23	Sujit Bhausaheb Deshmukh	57	Dr Shantipal S Ohal
24	Sujit	58	Kaliyappan R
25	A D Dhass	59	Sumedhchwande
26	Amit Bhimrao Khalate	60	Hod_Mts
27	Ashok D. More	61	Nitin Gadhave
28	Basavaraj S Kothavale	62	Sachin Shrikant Kallurkar
29	Dawa Ram Shingdan	63	Sumedh Nilkanth Chiwande
30	Deasi Atharv		
31	Dr D S Jayalakshmi		
32	Medaka Gopi		
33	Mohnesh Dnyaneshwar Mandhre		
34	Rameshwari Vivek Lalge		



Prof. A. B. Bhane

**Prepared by**





Prof. M. K. Jadhav

**Checked by**