



SINHGAD TECHNICAL EDUCATION SOCIETY'S

SINHGAD INSTITUTE OF TECHNOLOGY

(Affiliated to SavitribaiPhule Pune University, Pune & Approved by AICTE)

Gat No. 309/310, off Mumbai Pune Expressway Kusgaon (Bk), Lonavala Pune – 410401

website: sit.sinhgad.edu

Career Counseling Centre

Robotics and IOT Workshop Activity Report AY 2020-21

Vision and Mission Statement: Institute

उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटिबद्धाः वयम् ।

We are committed to produce not only good engineers but good human beings, also.

Mission

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity & technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

Vision and Mission of the Department

Objectives of Cell:

The objective is to achieve the excellence in Technical Education, by acquiring autonomous status to the institutes with recognition at national and International level. For this, we are committed to:

- Promote awareness and participation in competitive exams
- Promoting foreign language program, Entrepreneurship amongst students
- Encouraging Alumni interaction cell.
- Create environment for Research and getting industry-sponsored projects for students.

Long Term Goals

- To produce competent professional engineers
- To create excellent teaching learning facilities
- To foster research in the field of mechanical engineering for the benefit of society

Short term Goals:

- To successfully implement the activity plan evolved through faculty and students deliberations
- To upgrade laboratories with excellent facilities for implementation of curriculum and consultancy
- To arrange specific skill development programs ,National conferences, Technical festivals and other activities for overall development of students



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Robotics and IOT Workshop (AY 2020-21)	
Day:	01 day
Date:	20 March 2021
Venue:	SIT, Lonavala (Online mode)
Time:	from 10:00 AM to 1:00pm
Staff Co-coordinator:	Prof. Mayur S. Raut
Student Coordinator:	Sourabh Naik
Resource Person:	1. Mr. Sahil Poday 2. Mr. Aditya Chaudhary
Event Conducted Under:	Department of ENTC
Activity Type:	Robotics and IOT awareness
Target Group:	Students and faculties of S.I.T Lonavala.
Program Objectives :	To create awareness in students and faculties as well as parents for robotics and IOT

Brief Summary of the Event / Program

Expert explained in details of Internet of things .Some of the key features explained are as follows: Internet of Things is about limiting human involvement in that communication network. The internet here becomes not a network of humans connected through devices, but a network of devices talking to each other. IoT is basically a network of things capable of communicating with other things.


Robotics is also about reducing human involvement. With robotics, we develop ways to delegate human tasks to machines. Robots can assist or even replace humans in doing tasks. So it makes sense that these disciplines can benefit from collaboration. Robotics and IoT working together are how we can actually bring the power of computing into the physical world.

Internet of Robotic Things is a field of research that describes the collaboration of the fields of Internet of Things and Robotics.

IoRT is not IoT aided by Robotics or Robotics driven by IoT- but rather an amalgamation of the disciplines. It was slowly formed as a result of realizations that the two fields had a lot of overlapping of purpose, and could greatly benefit from a focus on their combination. Although the concept of IoT has existed for more than two decades, and robotics even longer, IoRT is a rather novel field of research.

Boucher:







EVENT NO :08




Sinhgad Institutes
Sinhgad Technical Education Society, Lonavala Campus
Career Counseling Center
In Association with
TechYUG
Presents

“Robotics and I.O.T Workshop 2021”
20th March 2021

Organizer

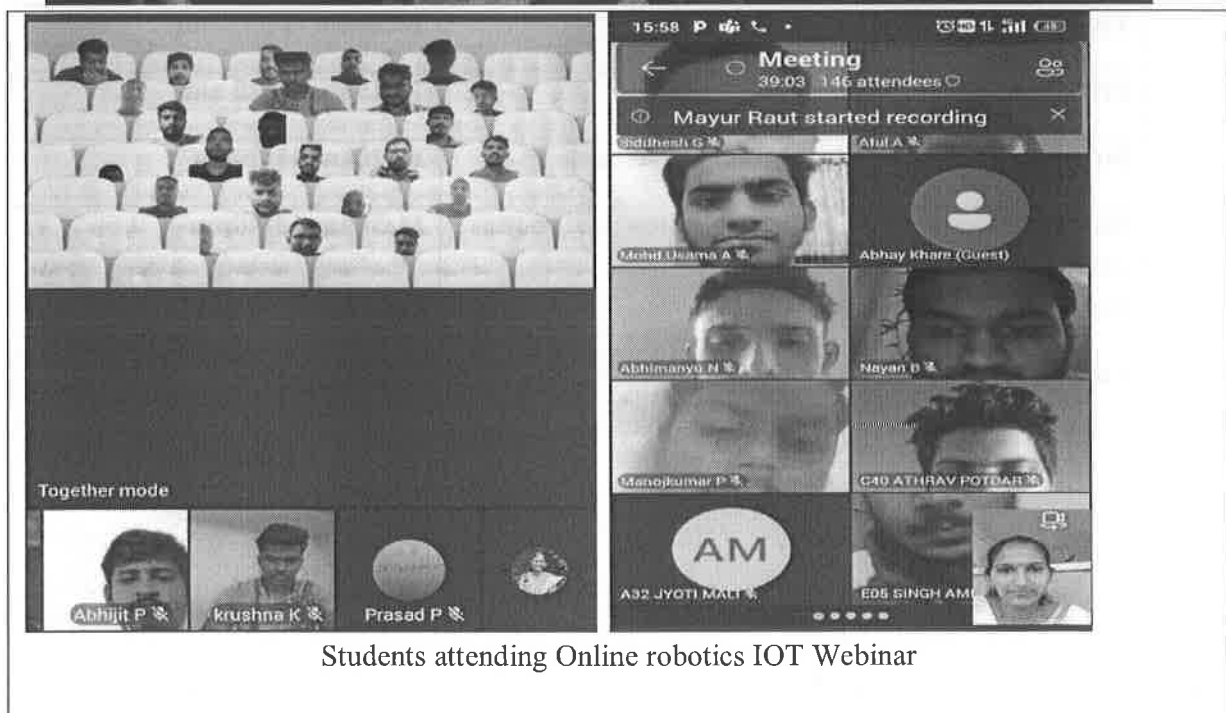
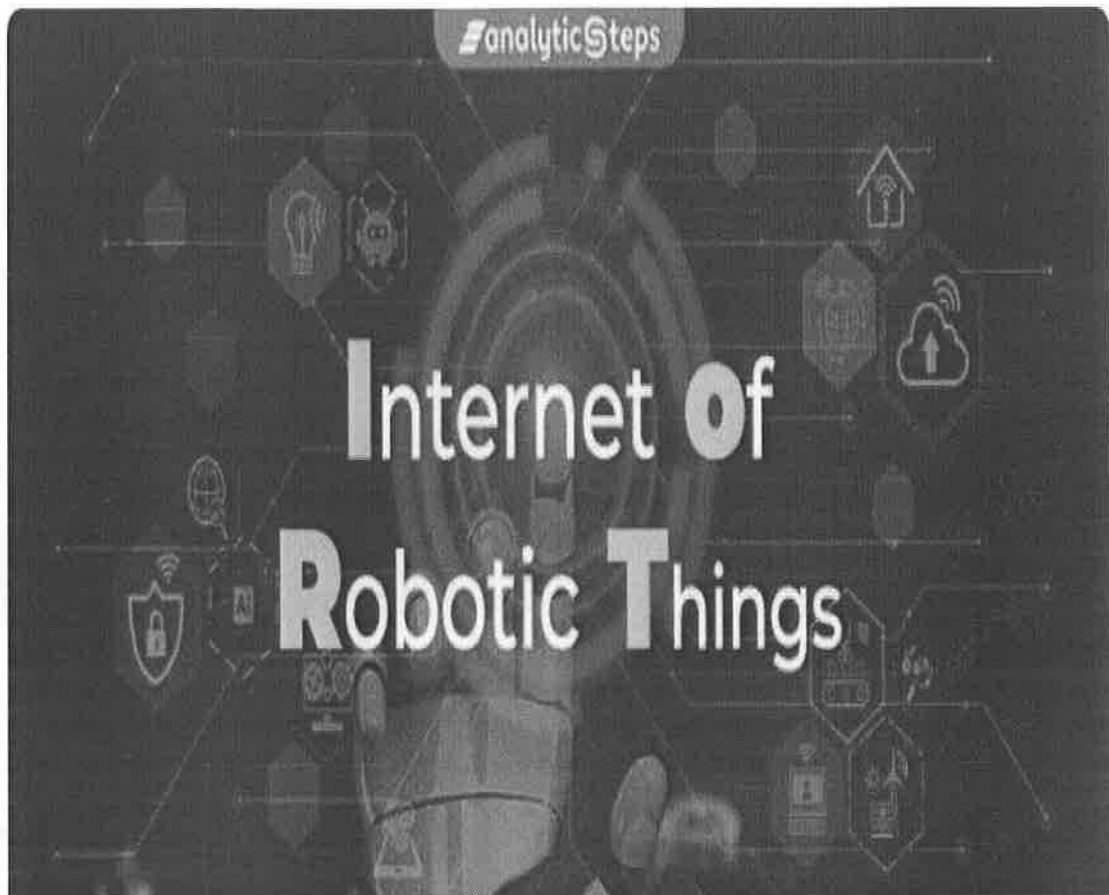
 Campus Director Dr. M. S. Galkwad	 Vice-Principal SIT Dr. D. D. Chaudhari	 OCC-Head Prof. M. S. Raut	 Speaker Mr. Sahil Podesy	 Speaker Mr. Adity Chauthery	 Coordinator Mr. Sourbh Nalk
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 Mr. V. D. Raskar Technical-Head	Registration Link: https://workshop2021.herokuapp.com/	Timing 10AM to 1PM Venue Microsoft Teams
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Schedule if any: -

Sr.No	Activity	Time
1	Saraswati Vandana and Welcome of Guest	10 am-10:10 am
2	Vice Principal Speech	10:10am -10:15 am
3	Principal Speech	10:15am-10:20 am
4	Introduction of Robotics and IOT by Speaker	10:20am-11:30am
5	Hands On training and Demonstration of Robotics and IOT applications	11:30am-12:40pm
6	Question and Answers	12:40pm-12:55pm
7	Vote of Thanks	12:55pm-1pm

Photographs of the activity:



Students attending Online robotics IOT Webinar

Outcome

- Principles of robotics and IoT were learnt.
- The IoT and robotics communities are coming together to create The Internet of Robotic Things (IoRT). ...
- IoT devices are usually designed to handle specific tasks, while robots need to react to unexpected conditions.
- Artificial intelligence and machine learning help these robots deal with unexpected conditions that arise.
- **IoT:** Sensing, connectivity, communication, intelligent processing, self-learning, and scalability are some of the features of IoT. IoT networks take sensory input, perform intelligent computations, learn from the environment, communicate with users and with other devices, can be controlled from any distance via simple methods, and perform operations that produce some outcome.
- The future will witness a network of connections that extend to every device you use, from your smartwatch, your vacuum cleaner, and the lawn sprinklers, to your dog-walking robot. Every device will be learning and improving with every bit of data it consumes, and hopefully, it will all contribute to us living easier lives.

Attendance

Yogini Raut	Joined	20/3/2021, 9:50:00 AM
Sambhaji Gaikwad	Joined	20/3/2021, 9:51:00 AM
Srikanth Karankoti	Joined	20/3/2021, 9:53:00 AM
Aganivesh Ogale	Joined	20/3/2021, 9:44:00 AM
Rohit Sonwane	Joined	20/3/2021, 9:54:00 AM
Shreya Magdum	Joined	20/3/2021, 9:56:00 AM
Shreya Magdum	Joined	20/3/2021, 9:50:00 AM
Sahil Poday(Guest)	Joined	20/3/2021, 9:51:00 AM
Vishal Mali (Guest)	Joined	20/3/2021, 9:53:00 AM
Vijay Yadav (Guest)	Joined	20/3/2021, 9:44:00 AM
SACHIN LOKHANDE	Joined	20/3/2021, 9:54:00 AM
Santosh Dabade	Joined	20/3/2021, 9:56:00 AM
PATKI PRASAD PURUSHOTTAM	Joined	20/3/2021, 9:50:00 AM
Puja Salgude (Guest)	Joined	20/3/2021, 9:51:00 AM
Sanket Pandit	Joined	20/3/2021, 9:53:00 AM
Sanket Pandit	Joined	20/3/2021, 9:44:00 AM
Dr. Vibhav Ambardekar (Guest)	Joined	20/3/2021, 9:50:00 AM
Dr. Vibhav Ambardekar (Guest)	Joined	20/3/2021, 9:51:00 AM
Prakash Gaikwad (Guest)	Joined	20/3/2021, 9:53:00 AM
Tatyrao Kendre	Joined	20/3/2021, 9:44:00 AM
Mohan Tayde (Guest)	Joined	20/3/2021, 9:54:00 AM
Narendra Lakal	Joined	20/3/2021, 9:56:00 AM
Akash Varma	Joined	20/3/2021, 9:50:00 AM
RAKESH PARDESHI	Joined	20/3/2021, 9:51:00 AM

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RAKESH PARDESHI	Joined	20/3/2021, 9:53:00 AM
RAKESH PARDESHI	Joined	20/3/2021, 9:44:00 AM
Vishal Mali (Guest)	Joined	20/3/2021, 9:54:00 AM
Amul	Joined	20/3/2021, 9:56:00 AM
Amul	Joined	20/3/2021, 9:50:00 AM
Amul	Joined	20/3/2021, 9:51:00 AM
Swapnil Shinde	Joined	20/3/2021, 9:53:00 AM
YASHKUNJIR	Joined	20/3/2021, 9:44:00 AM
Sumit Devarshi	Joined	20/3/2021, 9:54:00 AM
Sumit Devarshi	Joined	20/3/2021, 9:56:00 AM
Sumit Devarshi	Joined	20/3/2021, 9:50:00 AM
Himanshu Narayankar	Joined	20/3/2021, 9:51:00 AM
Himanshu Narayankar	Joined	20/3/2021, 9:53:00 AM
Sachin Chavan	Joined	20/3/2021, 9:44:00 AM
Sachin Chavan	Joined	20/3/2021, 9:54:00 AM
Sachin Chavan	Joined	20/3/2021, 9:56:00 AM
Sachin Chavan	Joined	20/3/2021, 9:50:00 AM
Kunal Mandawar	Joined	20/3/2021, 9:51:00 AM
Dhawal Jadhav	Joined	20/3/2021, 9:53:00 AM
Sonam Mishra	Joined	20/3/2021, 9:44:00 AM
Jay Yadav	Joined	20/3/2021, 9:54:00 AM
amol khot (Guest)	Joined	20/3/2021, 9:56:00 AM
Prasad Kulkarni	Joined	20/3/2021, 9:50:00 AM
Prasad Kulkarni	Joined	20/3/2021, 9:51:00 AM
Sourabh (Guest)	Joined	20/3/2021, 9:53:00 AM
SINHGAD INSTITUTE OF TECHNOLOGY		
LONAVALA, DR. MANIK GAIKWAD	Joined	20/3/2021, 9:44:00 AM
A-32 DEVASHISH LAHARIYA	Joined	20/3/2021, 9:54:00 AM
A-32 DEVASHISH LAHARIYA	Joined	20/3/2021, 9:56:00 AM
Narendra Sonwatkar	Joined	20/3/2021, 9:50:00 AM
Narendra Sonwatkar	Joined	20/3/2021, 9:51:00 AM
Madhu babu undru	Joined	20/3/2021, 9:53:00 AM
Rasika Chorat	Joined	20/3/2021, 9:44:00 AM
Suraj Patil	Joined	20/3/2021, 9:54:00 AM
Suraj Patil	Joined	20/3/2021, 9:56:00 AM
Saurabh Koli (Guest)	Joined	20/3/2021, 9:50:00 AM
Abhijit Patil	Joined	20/3/2021, 9:51:00 AM
Dilip Chaudhary	Joined	20/3/2021, 9:53:00 AM
SURESH SAWANT	Joined	20/3/2021, 9:44:00 AM
SHLOKKHAIRE	Joined	20/3/2021, 9:54:00 AM
Arun Jadhav	Joined	20/3/2021, 9:56:00 AM
Yash Dhanawade	Joined	20/3/2021, 9:50:00 AM
Yash Dhanawade	Joined	20/3/2021, 9:51:00 AM
Parth Chahande (Guest)	Joined	20/3/2021, 9:53:00 AM

Pankaj Patil (Guest)	Joined	20/3/2021, 9:44:00 AM
Shital Salunkhe (Guest)	Joined	20/3/2021, 9:54:00 AM
Sanjiv Suresh	Joined	20/3/2021, 9:56:00 AM
Aishwarya khude (Guest)	Joined	20/3/2021, 9:50:00 AM
Puja Salgude (Guest)	Joined	20/3/2021, 9:51:00 AM
Suhas Madane	Joined	20/3/2021, 9:53:00 AM
Suhas Madane	Joined	20/3/2021, 9:44:00 AM
Mahesh Langhe	Joined	20/3/2021, 9:54:00 AM
Rahul Bhat	Joined	20/3/2021, 9:56:00 AM
DnyaneshwarS Mantri	Joined	20/3/2021, 9:50:00 AM
DnyaneshwarS Mantri	Joined	20/3/2021, 9:51:00 AM
Mahesh Khedkar	Joined	20/3/2021, 9:53:00 AM
Prachi Waghmare	Joined	20/3/2021, 9:44:00 AM
Akshay Rajput	Joined	20/3/2021, 9:54:00 AM
Akshay Rajput	Joined	20/3/2021, 9:56:00 AM
Akshay Rajput	Joined	20/3/2021, 9:50:00 AM
Akshay Rajput	Joined	20/3/2021, 9:51:00 AM
Dr.MilindRohokale	Joined	20/3/2021, 9:53:00 AM
Vinayak Gaikwad	Joined	20/3/2021, 9:44:00 AM
Vinayak Gaikwad	Joined	20/3/2021, 9:54:00 AM
Prathamesh shishte (Guest)	Joined	20/3/2021, 9:56:00 AM
Prathamesh shishte (Guest)	Joined	20/3/2021, 9:50:00 AM
Kalpesh Bhausahab pagar	Joined	20/3/2021, 9:51:00 AM
Kalpesh Bhausahab pagar	Joined	20/3/2021, 9:53:00 AM
Pratik Gouli	Joined	20/3/2021, 9:44:00 AM
Swapnil Borse	Joined	20/3/2021, 9:54:00 AM
Nishigandha Nangre	Joined	20/3/2021, 9:56:00 AM
Nishigandha Nangre	Joined	20/3/2021, 9:50:00 AM
Nikhil Pakhale	Joined	20/3/2021, 9:51:00 AM
Puja Salgude (Guest)	Joined	20/3/2021, 9:53:00 AM
Sumit Ghate	Joined	20/3/2021, 9:44:00 AM
Sumit Ghate	Joined	20/3/2021, 9:54:00 AM
Sumit Ghate	Joined	20/3/2021, 9:56:00 AM
Sunayana Nerkar	Joined	20/3/2021, 9:50:00 AM
Sunayana Nerkar	Joined	20/3/2021, 9:51:00 AM
Sunayana Nerkar	Joined	20/3/2021, 9:53:00 AM
Santosh Mathapati (Guest)	Joined	20/3/2021, 9:44:00 AM
Sagar Patil	Joined	20/3/2021, 9:54:00 AM
Dighole Anant (A-50) (Guest)	Joined	20/3/2021, 9:56:00 AM
Vijay Soni	Joined	20/3/2021, 9:50:00 AM
Vijay Soni	Joined	20/3/2021, 9:51:00 AM
Vijay Soni	Joined	20/3/2021, 9:53:00 AM
Pratik Mohite 71824485M (Guest)	Joined	20/3/2021, 9:44:00 AM
Shubham Angre	Joined	20/3/2021, 9:54:00 AM
Swastik Borkar	Joined	20/3/2021, 9:56:00 AM
Rushikesh Suryawanshi	Joined	20/3/2021, 9:50:00 AM

Nagnath shinde	Joined	20/3/2021, 9:51:00 AM
Nagnath shinde	Joined	20/3/2021, 9:53:00 AM
Nagnath shinde	Joined	20/3/2021, 9:44:00 AM
Rushikesh Vanshette	Joined	20/3/2021, 9:54:00 AM
Rushikesh Vanshette	Joined	20/3/2021, 9:56:00 AM
Shweta Satpute	Joined	20/3/2021, 9:50:00 AM
Sahil Yeginwar	Joined	20/3/2021, 9:51:00 AM
Rajat Pawar	Joined	20/3/2021, 9:53:00 AM
KHOTKAR YOGESH	Joined	20/3/2021, 9:44:00 AM
Pravin Linge	Joined	20/3/2021, 9:54:00 AM
Akshay Avhad	Joined	20/3/2021, 9:56:00 AM
Rushikesh Kawale	Joined	20/3/2021, 9:50:00 AM
SHUBHAM JADHAV	Joined	20/3/2021, 9:51:00 AM
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SHUBHAM JADHAV	Joined	20/3/2021, 9:50:00 AM
saquib shaharyar	Joined	20/3/2021, 9:51:00 AM
Annasaheb Narode	Joined	20/3/2021, 9:53:00 AM
Aishwarya khude (Guest)	Joined	20/3/2021, 9:44:00 AM
Prasad Lokhande	Joined	20/3/2021, 9:54:00 AM
Vaibhav Aglave	Joined	20/3/2021, 9:56:00 AM
Dighole Anant (A-50) (Guest)	Joined	20/3/2021, 9:50:00 AM
Samir Admane	Joined	20/3/2021, 9:51:00 AM
HITESH KADAO	Joined	20/3/2021, 9:53:00 AM
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Vijay Deore	Joined	20/3/2021, 9:50:00 AM
PANDURANG PUNDE	Joined	20/3/2021, 9:51:00 AM
Rutuja Gavade	Joined	20/3/2021, 9:53:00 AM
Aishwarya khude (Guest)	Joined	20/3/2021, 9:44:00 AM
Rajay Rathod	Joined	20/3/2021, 9:54:00 AM
Madhuri Deore (Guest)	Joined	20/3/2021, 9:56:00 AM
Devashish Lahariya (Guest)	Joined	20/3/2021, 9:50:00 AM
NIKHIL NARAIE	Joined	20/3/2021, 9:51:00 AM
Amol Mali (Guest)	Joined	20/3/2021, 9:53:00 AM
Saurabh Koli (Guest)	Joined	20/3/2021, 9:44:00 AM
Aishwarya khude (Guest)	Joined	20/3/2021, 9:54:00 AM
Vishal jarad (Guest)	Joined	20/3/2021, 9:56:00 AM
Ravichandra Patil	Joined	20/3/2021, 9:50:00 AM
Akshay Nadgire	Joined	20/3/2021, 9:51:00 AM
Mr. shital patil (Guest)	Joined	20/3/2021, 9:53:00 AM
Harish Pardeshi	Joined	20/3/2021, 9:44:00 AM
Vikalp Patel	Joined	20/3/2021, 9:54:00 AM

Prathamesh Sathe	Joined	20/3/2021, 9:56:00 AM
Prathamesh Sathe	Joined	20/3/2021, 9:50:00 AM
B150428503Shubham Agrawal	Joined	20/3/2021, 9:51:00 AM
Sheetal Dudhade	Joined	20/3/2021, 9:53:00 AM
Dr. Vibhav Ambardekar (Guest)	Joined	20/3/2021, 9:44:00 AM
Nikhil Khapekar	Joined	20/3/2021, 9:54:00 AM
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ROKADE ANIL	Joined	20/3/2021, 9:50:00 AM
PRITHVIRAJ RAJENDRA PATIL	Joined	20/3/2021, 9:51:00 AM
Pramod Kokate (Guest)	Joined	20/3/2021, 9:53:00 AM
Sachin Babar	Joined	20/3/2021, 9:44:00 AM
Sunayana Nerkar (Guest)	Joined	20/3/2021, 9:54:00 AM
Nitesh Hirulkar	Joined	20/3/2021, 9:56:00 AM
Nilesh Kadam	Joined	20/3/2021, 9:50:00 AM
Shubham Jangam	Joined	20/3/2021, 9:51:00 AM
Shubham Jangam	Joined	20/3/2021, 9:53:00 AM
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amol khot (Guest)	Joined	20/3/2021, 9:54:00 AM
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Sourabh (Guest)	Joined	20/3/2021, 9:50:00 AM
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Akshay Bauskar	Joined	20/3/2021, 9:53:00 AM
Abhijeet Ghadge	Joined	20/3/2021, 9:44:00 AM
Abhijeet Ghadge	Joined	20/3/2021, 9:54:00 AM
Pankaj Gharde	Joined	20/3/2021, 9:56:00 AM
RohitRavi Ravi	Joined	20/3/2021, 9:50:00 AM
Sagar Wankhede	Joined	20/3/2021, 9:51:00 AM
Saurabh Koli (Guest)	Joined	20/3/2021, 9:53:00 AM
Ramesh Pudale	Joined	20/3/2021, 9:44:00 AM
Harshal Thakur	Joined	20/3/2021, 9:54:00 AM
Dighole Anant (A-50) (Guest)	Joined	20/3/2021, 9:56:00 AM
VISHAL MAHADIK	Joined	20/3/2021, 9:50:00 AM
Ajinkya Vinchurkar (Guest)	Joined	20/3/2021, 9:51:00 AM
Amar Pilangwad	Joined	20/3/2021, 9:53:00 AM



Prof Yogini Raut
Coordinator



Prof Mayur Raut
CCC Head




Dr. M.S. Gaikwad
Principal, Sinhgad Institute of Technology
Lonavala
SINHGAD INSTITUTE OF TECHNOLOGY
Kusgaon (Bk.), Lonavala-410401

