



Sinhgad Institutes

**SINHGAD TECHNICAL EDUCATION SOCIETY'S**

# **SINHGAD INSTITUTE OF TECHNOLOGY**

**(Affiliated to Savitribai Phule Pune University, Pune & Approved by AICTE)**

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

website: sit.sinhgad.edu

Department of Mechanical Engineering

## **Mentor-mentee/ Teacher Guardian Report AY 2020-21**

**Vision and Mission Statement: Institute**

**उत्तमपुरुषान् उत्तमाभियन्तुन् 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.

### **QUALITY POLICY**

Our Quality Policy is aimed at achieving 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:

- Provide excellent infrastructure facilities.
- Employ highly qualified and experienced faculty.
- Encourage the faculty for improvement in qualifications.
- Promote the institute - industry interaction.
- Create environment for research and getting industry-sponsored projects for students.

**Vision and Mission Statement: Mechanical Department**

### **Vision**

Nurture Excellent Mechanical Engineers Imparting Technical & Professional Skills Along With Ethical Values To Serve The Society.

### **Mission**

1. To impart quality education through effective teaching-learning techniques and practical skills.
2. To provide a conducive environment for excelling the students and faculty in technical and professional skills.

- To make competent mechanical engineers with moral and ethical values to serve the 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
- To improve the qualifications of staff consistently to match the professional and technical requirements of society.

### 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
- To start PhD center

## Program Educational Objectives (PEOs)

Program Educational Objectives (PEOs)	
PEO1	To develop students to achieve high level of technical expertise with Strong theoretical background and sound practical knowledge
PEO2	To inculcate research environment for enhancement of Academia – Industry collaboration through conference
PEO3	To prepare graduates to be sensitive to ethical, societal and Environmental issues while engaging their professional duties, Entrepreneurship and leadership. .
PEO4	To Enhance ability of students for providing Engineering solution in a global and societal context
PEO5	Pursue higher education for professional development.

## Program Specific Outcomes (PSOs)

Program Specific Outcomes (PSOs)	
PSO1	: Recognize, formulate and analyze Real life Mechanical engineering problems through different skill set
PSO2	Apply the acquired Mechanical Engineering knowledge for entrepreneur and to the advancement of society

## Program Outcomes (POs)

List of Program Outcomes (POs)		
<b>PO1</b>	<b>Engineering Knowledge</b>	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
<b>PO2</b>	<b>Problem Analysis</b>	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
<b>PO3</b>	<b>Design/Development of Solutions</b>	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
<b>PO4</b>	<b>Conduct Investigations of Complex Problems:</b>	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
<b>PO5</b>	<b>Modern Tool Usage:</b>	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
<b>PO6</b>	<b>The Engineer and Society:</b>	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
<b>PO7</b>	<b>Environment and Sustainability:</b>	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
<b>PO8</b>	<b>Ethics:</b>	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
<b>PO9</b>	<b>Individual and Team Work:</b>	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
<b>PO10</b>	<b>Communication:</b>	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
<b>PO11</b>	<b>Project Management and Finance:</b>	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
<b>PO12</b>	<b>Life-Long Learning:</b>	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change



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## **Mentor-Mentee/ TG Activity Report (AY 2020-21)**

<b>Date:</b>	Sem-I& II
<b>Day:</b>	Every Saturday
<b>Venue:</b>	Microsoft Teams (Online mode)
<b>Time:</b>	9:30 am to 10:10am
<b>Staff Co-coordinator:</b>	Prof. R.S.Patil
<b>Event Conducted Under:</b>	Department of Mechanical Engineering
<b>Activity Type:</b>	TG meetings
<b>Target Group:</b>	Students of Mechanical Department.
<b>Program Outcome:</b>	Parental relation is developed between faculty And student for overall development .

### **Brief Summary about Activity:**

- Teacher Guardian meet is conducted on every Thursday for 30 minutes.
- Each teacher is assigned 15-17 students to have one to one interaction with them.
- In this semester total Ten (10) TG meetings were conducted.
- TG agenda is prepared by the TG coordinator & provided to every TG one day prior.
- Mentoring for SE & TE students by final year students is done in TG meets.
- In this meet students are motivated for improving their academic performance; they are also motivated for overall improvement. TG's look into their problems and try to solve it.
- Though it is displayed on Notice board, students are informed about all activities personally.

### **Issues discussed and actions taken in the TG meeting:**

Sr.No.	Issued discussed	Actions Taken
1	Regarding receiving of fee receipt from office.	It was communicated to the office and receipt was given to the students.
2	NPTEL form filling and explaining the importance of NPTEL	Students started filling forms for NPTEL registrations



***Mechanism of Execution -***

- ★ Regular interactive meeting conducted with a group of around 20 students.
- ★ Student's overall performance is monitored keenly by TG teacher.
- ★ Student's feedback & suggestions about Teaching Learning process are taken.
- ★ Through TG at Home activity, TG visits students home to strengthen communication & maintain rapport with Parents by informing regular progress of students.

***Teacher - Guardian Manual***

This manual contains overall personal details of each student which includes his / her academic performance, achievements in Co - curricular, Extracurricular activities & the details of TG interaction with parents.

### Allocation of Teacher Guardian and Class Teacher:

SR.NO	YEAR & DIVISION	Class Teacher	ROLL NO.		LOCATI ON	NAME OF MENTORS
			FROM	TO		
1	SE(A)	Prof. Pankaj Gharde	SMA01	SMA16	<b>Online mode (M.S.Teams)</b>	Dr. Tayde Mohan Murlidhar
2	SE(A)		SMA17	SMA33		Mr. Kulkarni Prasad Dattatray
3	SE(B)		SMB01	SMB15		Mr. Mohite Maruti Ananda
4	TE (A)	Prof.L.P.Pranik	TMA01	TMA20		Mr. Lakal Narendra Vyankatrao
5	TE (A)		TMA22	TMA41		Mr. Meshram Sharad Rajabhau
6	TE (A)		TMA42	TMA61		Mr. Hirulkar Nitesh Hirulkar
7	TE (B)	Prof. S.N.Lokhande	TMB01	TMB19		Mr. Mathapati Santosh Shivalingayya
8	TE (B)		TMB20	TMB39		Mr. Wankhede Sagar Vishnurao
9	TE (B)		TMB40	TMB59		Mr. Lokhande Prasad Eknath
10	TE (C)	Prof.Sumit Dewarshi	TMC01	TMC17		Ms. Jawale Pratiksha Prakash
11	TE (C)		TMC18	TMC34		Mr. Wasnik Amit Ramesh
12	TE (C)		TMC35	TMC55		Mr. Chavan Sachin Vasatrao
13	BE (A)	Prof S.M.Gikwad	BMA01	BMA15		Mr. Narode Annasaheb Ramdas
14	BE (A)		BMA16	BMA30		Mr. Karankoti Shrikanth .Vithoba
15	BE (A)		BMA31	BMA46		Mr. Patil Ravichandra Somshekhara
16	BE (A)		BMA47	BMA60		Mr. Ogale Agnivesh Purushottam
17	BE(A)		BMA61	BMA72		Mr. Chaudhari Bharat Ramesh
18	BE (B)	Prof.Abhijeet Patil	BMB01	BMB15		Mr. Shinde Niket Ashok
19	BE (B)		BMB16	BMB31		Ms. Salunkhe Shital Balbhim
20	BE (B)		BMB32	BMB45		Mr. Gaikwad Vinayak.Vilas
21	BE (B)		BMB46	BMB59		Mr Lokhande Sachin Namdeo
22	BE(B)		BMB60	BMB74		Mr. Bhojar Santosh Bhimrao
23	BE (C)	Prof. Swapnil Shinde	BMC01	BMC15		Mr. Pandit Sanket Gangadhar
24	BE (C)		BMC16	BMC31		Mr Gharde Pankaj Ramkrushna
25	BE (C)		BMC32	BMC45		Mr. Ugare Vivek Malgonda
26	BE (C)		BMC46	BMC59		Mr. Linge Pravin Mohan
27	BE(C)		BMC60	BMC74		Mr. Devarshi Sumit Sadashiv
28	BE (D)	Prof. Shital Patil	BMD01	BMD15		Mr. Shinde Swapnil Sanjay

29	BE (D)		BMD1 6	BMD3 9		Ms. Raut Yogini Mayur
30	BE (D)		BMD4 0	BMD5 3		Mr. Patil Suraj Bhujgonda
31	BE (D)		BMD5 4	BMD6 5		Mr. Nimbalkar Amol Netaji
32	BE(D)		BMD6 6	BMD7 7		Mr. Ghodke Dattatray Sukhdeo

*R. S. Patil*



*S. M. Gaikwad*

**Prof R. S. Patil**  
TG Coordinator

**Prof S.M. Gaikwad**  
HOD Mechanical Dept.

### Student Registration Form

**STUDENT REGISTRATION FORM**

ACADEMIC YEAR 2020-2021 (SEMESTER I/II)

Students Name- VIJAY SONI

Permanent Registration no.:- 718249046 DOB:- 21 Dec 1999

Class and branch: BE Mech Div: 0 roll no: BMD47 email:- Vjsoni420@gmail.com

Phone (student): 9414664823 -Phone (parent) 9928052310.

Parent's name Sanjay soni and address:- 39 A2, Jawahar Nagar, Ajmer, Rajasthan  
Occupation: Business (Jewellery shop)

Name of hostel:- Private Room Room no- - If not staying in hostel give address: Flat No 7, Panchratna society, Bhanganwadi, Lonavala.

Admission fee receipt no: \_\_\_\_\_ amount \_\_\_\_\_ date: \_\_\_\_\_

**Previous years records**

Class/Branch	Roll No	Result of sem I	Result of Sem II	Involvement in major activity
FE	26	7.84/10	7.54	Lawn Tennis.
SE	32	8.26	6.26	IEI Club President
TE	28	6.3	7.10	GO-KART
BE	047	9.84	9.10.	V-Labs

Area of interest- Aerospace & Abroad studies.

Hobbies: Singing, Trekking.

**I hereby undertake that:**

1. I shall maintain my attendance above 75% otherwise I may not be allowed for appearing in exam.
2. I shall complete and submit term work before due date.
3. I shall participate in all curricular and extracurricular activities of institute enthusiastically.
4. I shall follow all rules and regulations of University and STES Campus.
5. I shall accept Changes as and when in this form.
6. The information given here is true and correct.

Date: 03/02/2021 Signature of student: [Signature]

Sign and remarks of Teacher Guardian: Prof. M. Raut (Best in Academics)

Class Teacher: [Signature] HOD: [Signature]  
H.A. Shinde

**HEAD**  
Dept. of Mechanical Engineering  
S.I.T., Lonavla-410 401.

3) Points discussed and action taken

**TG Meeting Record:**

Students TG Meeting Record (SEMESTER I/H)

Meeting No. : 02  
Date : 21/8/2020  
Time : 10:30am . Online

No.	Points Discussed	Action Taken
1	NPTEL Registrations started	Enrolled students
2	Pay the fees & do registration	Fees paid by students
3	Project - group formation for BE	groups formed.
4	Topic selection for B.E	Topics selected
5	Industry Internships	started enrolling
6		
7		
8		

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
01	-	08	P				
02	-	09	-				
03	P	10	P				
04	P	11	P				
05	-	12	P				
06	P						
07	-						

Sign of Teacher Guardian: Prof. Y.M. Raut 21/8/2020  
Sign of Class Teacher: Prof. Abhishek Patil

Students TG Meeting Record (SEMESTER I/II)

Meeting No. : 04  
Date : 04/03/2021  
Time : 10:30 am Online .

No.	Points Discussed	Action Taken
1	Participate in intercollege Project comp <sup>n</sup>	1 team with 48 groups participated
2	CAD - training	started
3	Hypermesh training course	started
4	Publication in NEETME - 2021	41 papers published.
5	Assignment	completed by students
6	Midterm submission	completed by students
7		
8		

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
01	-	08	P				
02	P	09	P				
03	-	10	P				
04	P	11	P				
05	P	12	P				
06	P	13	-				
07	P	14	-				

Sign of Teacher Guardian: Prof. Y.M. Raut 4/3/2021  
Sign of Class Teacher: Prof. P.S. Shinde




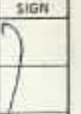





**Call record:**


SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA  
DEPARTMENT OF MECHANICAL ENGINEERING  
PHONE CALL RECORD SEM: ~~III~~ IV - 2020 - 20 21  
Name of CLASS COORDINATOR: \_\_\_\_\_

CLASS: BE  
Div: D

CLASS COORDINATOR SIGN: 

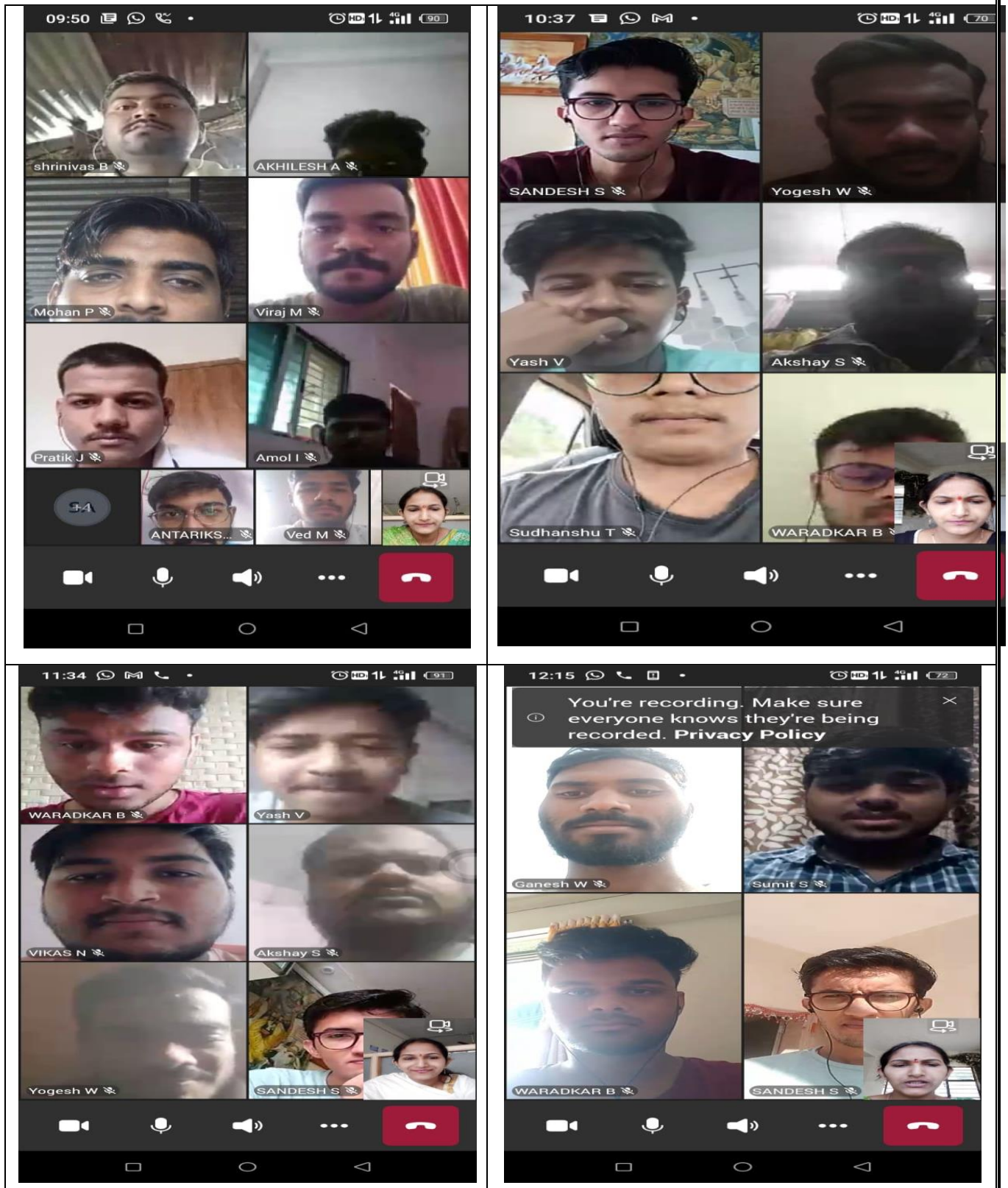
DATE	SR NO	ROLL NO	NAME OF STUDENT	REMARK OF PHONE CALL	TG SIGN
20/08	1	02	Adhe Ajay	Not answer call	
20/08	2	09	Aghao Supnil	Attending from next week	
20/08	3	08	Bone oniket	-c-	
20/08	4	07	Gaurav Kumar	-c-	
20/08	5	15	Pawar Ashale	-c-	
20/08	6	18	Narenra Gopal	out of rich	
20/08	7	57	Awari Suraj	-c-	
22/08	8	48	Borade Vinayak	Attending this week	
20/09	9	40	Datta Kambale	-c-	
20/09	10	20	Dajal Yuvaraj	-c-	
20/09	11	22	Jay Gosavi	-c-	
20/09	12	36	Deshmukh Anand	Attending improvement	
20/09	13	40	Gidwani Noor	will improve attendance	
20/09	14	45	Govind Kulkarni	-c-	
20/09	15	48	Kunal Vike	-c-	
29/10	16	37	moon suraj	-c-	
29/10	17	60	Nirmal Shing	Low attendances due to sun	
29/10	18	71	Nisal Siddhant	will improve attendance	
29/10	19	61	Nisal Siddhant	-c-	
29/10	20	68	Patil Sunil	warning about attendance	
15/11	21	03	Patil Gopal	Low attendance	
15/11	22	04	walkar Pankaj	-c-	
15/11	23	06	Zade, Rahul	-c-	
15/11	24	23	Shubham Vaidya	out of rich	
15/11	25	24	Zansi Jalraj	Not attending	
15/11	26	17	Shubham Vaidya	Not attending	

  
 PROF. S. M. GAWKWAD  
 HOD

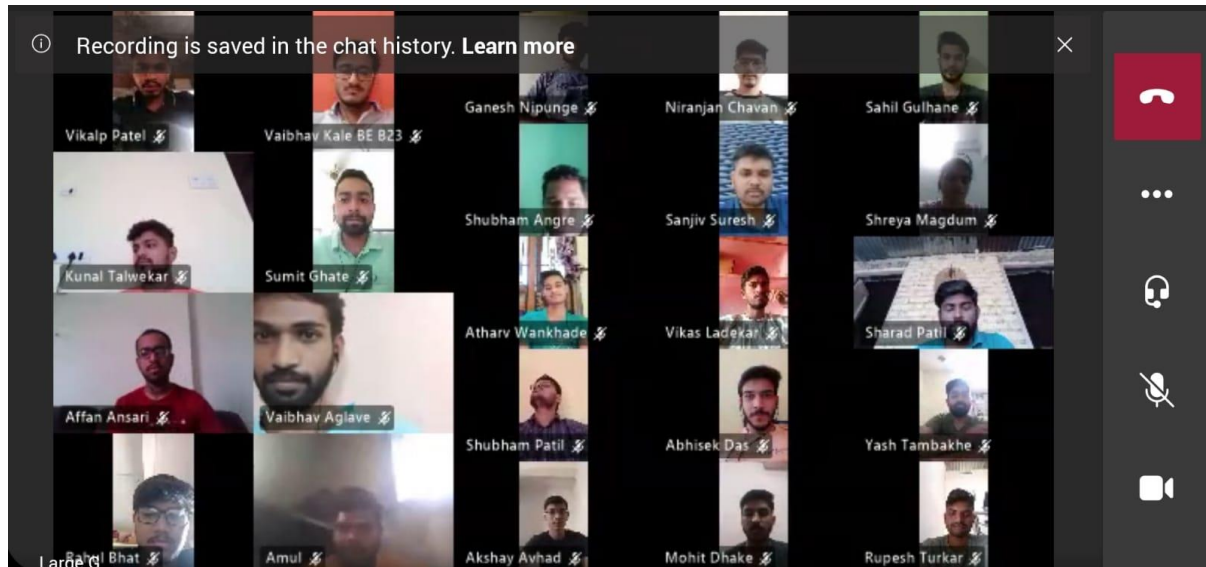


## Photographs of the activity

### 4) Glimpses of Online T.G. Meeting



Above image describes the Online T.G. Meeting by Microsoft Teams where T.G. Points were discussed by Prof. Y.M.Raut.



#### 4) Online Attendance in excel sheet in Microsoft team

T.G. Attendance for batch D3			
Full Name	User Action	Timestamp	
Yogini Raut	Joined	9/15/2020, 11:47:07 AM	
Harshal Thakur	Joined before	9/15/2020, 11:47:07 AM	
Sudarshan More	Joined before	9/15/2020, 11:47:07 AM	
Sudarshan More	Left	9/15/2020, 11:54:36 AM	
Rupesh Turkar	Joined before	9/15/2020, 11:47:07 AM	
Vidhulatha Ghadge	Joined before	9/15/2020, 11:47:07 AM	
Atharv Wankhade	Joined before	9/15/2020, 11:47:07 AM	
Vinayak Waje	Joined before	9/15/2020, 11:47:07 AM	
Jay Yadav	Joined before	9/15/2020, 11:47:07 AM	
Sahil Yeginwar	Joined before	9/15/2020, 11:47:07 AM	
Uzair Mallak	Joined before	9/15/2020, 11:47:07 AM	
jagdamba yadav	Joined before	9/15/2020, 11:47:07 AM	
Shubham soni	Joined	9/15/2020, 11:50:16 AM	
Shubham soni	Left	9/15/2020, 11:52:15 AM	
Shubham soni	Joined	9/15/2020, 11:53:37 AM	
Shubham soni	Left	9/15/2020, 11:53:44 AM	
Saiprasad Salavi	Joined	9/15/2020, 11:53:34 AM	
Saiprasad Salavi	Left	9/15/2020, 11:53:44 AM	
akash valiv	Joined	9/15/2020, 11:53:54 AM	
akash valiv	Left	9/15/2020, 11:54:01 AM	
akash valiv	Joined	9/15/2020, 11:54:01 AM	
akash valiv	Left	9/15/2020, 11:54:10 AM	
shubham Verma D	Joined	9/15/2020, 11:58:41 AM	

**Prof R. S.Patil**  
TG Coordinator



**Dr. M. S. GAIKWAD**  
PRINCIPAL  
Sinhgad Institute Of Technology, Lonavala

**Prof S.M.Gaikwad**  
HOD Mechanical Dept