



**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 Kusgaon (Bk), Lonavala Pune – 410401

website: sit.sinhgad.edu

**Department of Engineering Sciences**

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

**Vision and Mission Statement: Institute**

**उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातु कटिबद्धाःवयम्**

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

### **Mission**

We believe in and work for holistic development of students and teachers. We strive to achieve this by imbibing a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer.

### **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: Department of Engineering Sciences**

### **Vision**

The department of Engineering Sciences is committed to support the core engineering programs with fundamental knowledge and skills with acumen to be leaders amongst the generation of engineers.

## Mission

The department of Engineering Sciences strives to incorporate the best pedagogical methods to deliver basic sciences to engineering students and to guide them to be proactive learners, deep thinkers and responsible citizens in the early stages of their engineering education.

## Short Term Goals

- To foster students of first year engineering for the respective programs of engineering through expert lectures, seminars & mini projects.
- To implement activity plan for overall development of students.
- To develop laboratories for meaningful implementation of curriculum and then for research.
- To encourage continuous up-gradation of faculty members through higher education and external interface with other universities.

## Long Term Goals

- To apply project and problem based learning approach for first year engineering program to create a bridge to support to core departments for guiding projects of students.
- To cultivate research in the field of Engineering Sciences for the benefit of society.

## Program Educational Objectives (PEOs)

Program Educational Objectives (PEOs)	
PEO1	To provide opportunity to acquire strong theoretical and sound practical knowledge of basic sciences, so as to enable them to excel in further education
PEO2	To develop talent among students to innovate, communicate, analyze, interpret and apply technical concepts to solve real time engineering problems.
PEO3	To aware and accomplish scientific and engineering breadth amongst student through various curricular, co-curricular and extra-curricular activities.
PEO4	To inculcate professional and ethical attitude among students for providing engineering solution in a global and societal context.
PEO5	To accomplish the overall development of students with the aid of project based learning environment.

## Program Specific Outcomes (PSOs)

Program Specific Outcomes (PSOs)	
PSO1	Get solid foundation in basic sciences along with engineering fundamentals for a successful professional career.
PSO2	Able to co-relate engineering issues to broad social context.

## 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



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 Kusgaon (Bk), Lonavala Pune – 410401

website: sit.sinhgad.edu

Department of Engineering Sciences

## Mentor-Mentee/ TG Activity Report (A.Y. 2020-21)

<b>Date:</b>	Sem-I & II
<b>Day:</b>	Every Tuesday
<b>Venue:</b>	Microsoft Teams (Online mode)
<b>Time:</b>	03.45 pm to 04:15 pm
<b>Teacher Guardian:</b>	Dr. Mangesh Ananta Waghmare
<b>Student Coordinator:</b>	--
<b>Event Conducted Under:</b>	Department of Engineering Sciences
<b>Activity Type:</b>	TG meetings
<b>Target Group:</b>	Students of Department of Engineering Sciences
<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 Tuesday for 30 minutes.
- Each teacher is assigned (15-20) students to have one to one interaction with them.
- In this semester total Five (05) TG meetings were conducted.
- TG agenda is prepared by the HOD & provided to every TG one day prior.
- Mentoring for FE students is done in TG meets.
- In this meet students are motivated for improving their academic performance; they are also motivated for overall improvement.
- Though it is displayed on Notice board, students are informed about all activities personally.
- TG's look into their problems and try to solve it.

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

Sr. No.	Issued discussed	Actions Taken
1	Regarding receiving of fees receipts from office.	It was communicated to the office and the receipts were given to the students.
2	Students had problems regarding exam form filling.	It was solved with the help from office.
3	Students had doubts regarding Entry Level Survey	Doubts were discussed and explained the importance of Entry Level Survey.
4	Students had queries regarding In-semester and End-semester examination patterns	The queries related to examinations were resolved.
5	Regarding NPTEL registration and certification	Students have registered for NPTEL certification courses.
6	Regarding CCC activities	Students have participated in CCC activities.

**Dr. Mangesh A. Waghmare**

**TG**



**Dr. P. S. Patil**

**HOD**

**Department of Engineering Sciences**

**Allocation of Teacher Guardian (TG):**

Sr. No.	Name of Faculty	Dept.	Contact No.	Batch	Roll No.
1	Prof. S. P. Jadhav	FE	9657226330	A1	A01-A20
2	Prof. P R Chakranarayan	FE	9225268848	A2	A21-A40
3	Prof. S.G. Dabade	MECH	9766914691	A3	A41- ONWARDS
4	Dr. M. A. Waghmare	FE	9011467383	B1	B01-B20
5	Prof. T. V. Adikane	COMP	9764662518	B2	B21-B40
6	Prof. D.M Chahyal	FE	9960183686	B3	B41- ONWARDS
7	Prof. D. S. Ghodke	MECH	9881776196	C1	C01-C20
8	Prof. S. B. Sasane	FE	9657992798	C2	C21-C40
9	Prof. F. S. Ghodichor	IT	9823901007	C3	C41- ONWARDS
10	Prof. B. M. Tayde	FE	9881416521	D1	D01-D20
11	Prof. S. S. Mali	FE	7972036016	D2	D21-D40
12	Prof. S. D. Shinde	E&TC	8412844770	D3	D41- ONWARDS
13	Prof. S. B. Patil	MECH	8007848280	E1	E01-E20
14	Prof. R. N. Kamble	FE	9975711504	E2	E21-E40
15	Prof. S. A. Bhad	E&TC	9702806814	E3	E41- ONWARDS

**Dr. Mangesh A. Waghmare**

**TG**



**Dr. P. S. Patil**

**HOD**

**Department of Engineering Sciences**

**TG Meeting Record:**

### Students Meeting Record (SEMESTER I/II)

Meeting No. :Date: 18.05.2021

Time: 03.40 PM

No.	Points Discussed	Action Taken
1	Importance of Lr Meet	
2	Collected mobile nos of parents	• Students have completed
3	Discussed importance of Entry	the entry level survey
4	level survey	of all the subjects.
5	Discussed exam pattern	
6	Discussed importance of text	
7	and reference books	
8		

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
B-01	P	B-07	A	B-13	A	B-19	P
B-02	P	B-08	A	B-14	A	B-20	A
B-03	P	B-09	A	B-15	P		
B-04	P	B-10	P	B-16	P		
B-05	P	B-11	A	B-17	A		
B-06	P	B-12	P	B-18	P		

Sign of Student

Sign of Teacher-Guardian

Sign of Class Teacher

Sign of HOD

### Students Meeting Record (SEMESTER I/II)

Meeting No. :Date: 25.05.2021

Time: 03.40 PM

No.	Points Discussed	Action Taken
1	Discussed importance of Practical	• few students have
2	Taken review on entry level survey	enrolled for NPTEL
3	Motivated students for NPTEL	Certification programs
4	certification programs	• students have started
5	Discussed importance of Practice	solving practice tests.
6	tests	
7		
8		

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
B-01	P	B-07	P	B-13	P	B-19	P
B-02	P	B-08	P	B-14	P	B-20	P
B-03	P	B-09	P	B-15	P		
B-04	P	B-10	P	B-16	P		
B-05	P	B-11	P	B-17	A		
B-06	P	B-12	P	B-18	P		

Sign of Student

Sign of Teacher-Guardian

Sign of Class Teacher

Sign of HOD

*(Handwritten Signature)*



*(Handwritten Signature)*

**Dr. Mangesh A. Waghmare**

**TG**

**Dr. P. S. Patil**

**HOD**

**Department of Engineering Sciences**

### Students Meeting Record (SEMESTER I/II) ✓

Meeting No. : Date: 08.06.2021

Time: 03.40 PM

No.	Points Discussed	Action Taken
1	Explained importance of practice tests	• Students have started solving practice tests.
2	Discussed performance of students in practice tests.	• Queries, doubts related to Microsoft Teams App have been resolved.
3	Motivated students to perform well in In-sem exam	
4	Discussed exam pattern for In-sem exam	

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
B-01	P	B-07	A	B-13	P	B-19	A
B-02	P	B-08	A	B-14	P	B-20	P
B-03	P	B-09	P	B-15	P		
B-04	P	B-10	P	B-16	P		
B-05	A	B-11	A	B-17	A		
B-06	P	B-12	P	B-18	A		

Sign of Student

Sign of Teacher Guardian

Sign of Class Teacher

Sign of HOD

### Students Meeting Record (SEMESTER I/II) ✓

Meeting No. : Date: 22.06.2021

Time: 03.40 PM

No.	Points Discussed	Action Taken
1	Motivated students to enroll for NPTEL certificate programs.	• students have enrolled for NPTEL Certificate programs
2	Motivated students to be a part of various technical clubs.	• Students have started registration for different technical clubs of SIT
3	Motivated students to start preparation for End-sem exam	

Roll No.	Signature	Roll No.	Signature	Roll No.	Signature	Roll No.	Signature
B-01		B-07	A	B-13	A	B-19	
B-02		B-08		B-14	A	B-20	A
B-03		B-09	A	B-15			
B-04		B-10		B-16			
B-05		B-11	A	B-17	A		
B-06		B-12	A	B-18	A		

Sign of Student

Sign of Teacher Guardian

Sign of Class Teacher

Sign of HOD

**Dr. Mangesh A. Waghmare**

**TG**



**Dr. P. S. Patil**

**HOD**

**Department of Engineering Sciences**



**Call record:**

Phone Call Record

Class:	FE	Roll No:	B-02	Name of Student:	Adavale Ajit
Cell No:	996050639	Parent No:	7350265052	Fees Paid	60,000
				Balance	75152
Date	Time	Call Received By	Instruction / Discussion (In short)		
17-05-21	03:45	Student	will pay in this week		
		Father: switched off	(Balance fees Rs 75152/-)		

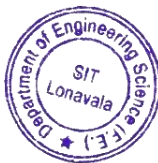
Phone Call Record

Class:	FE	Roll No:	B-04	Name of Student:	Badhe Tushar
Cell No:	771998955	Parent No:	9373209861	Fees Paid	40,000
				Balance	39199
Date	Time	Call Received By	Instruction / Discussion (In short)		
17-05-21	03:50	Father: did not receive			
		student -	will pay balance fees up to 15.06.2021		

Phone Call Record

Class:	FE	Roll No:	B-05	Name of Student:	Bargal Shubham
Cell No:	808058490	Parent No:	868919328	Fees Paid	20,000
				Balance	3245
Date	Time	Call Received By	Instruction / Discussion (In short)		
17-05-21	03:55	Student	will pay balance fees today		

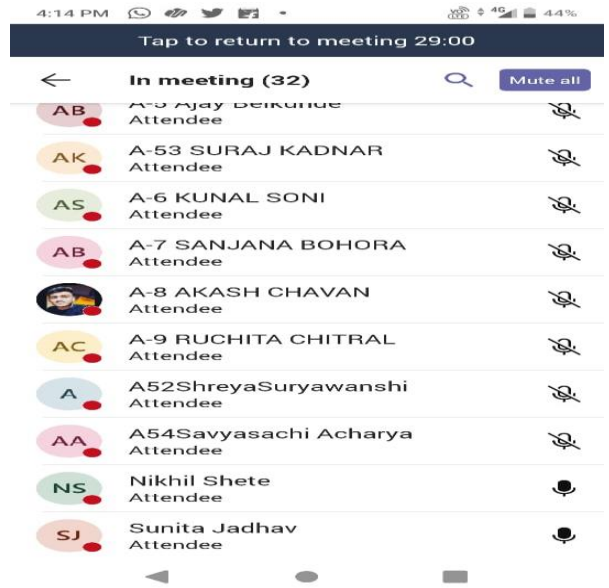
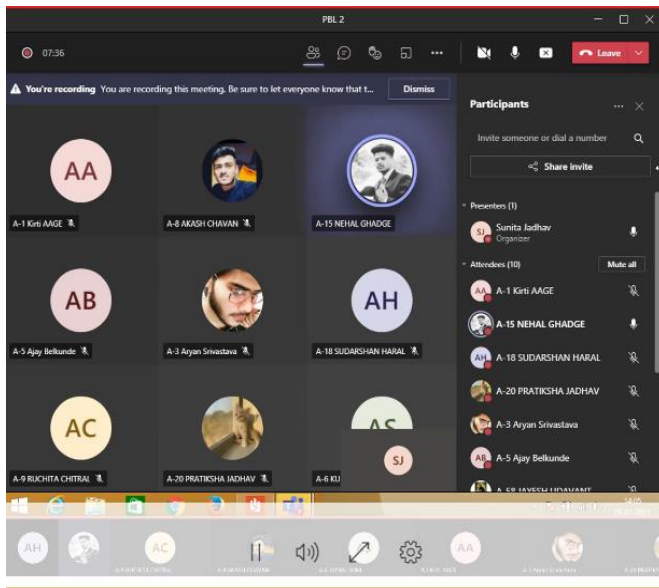
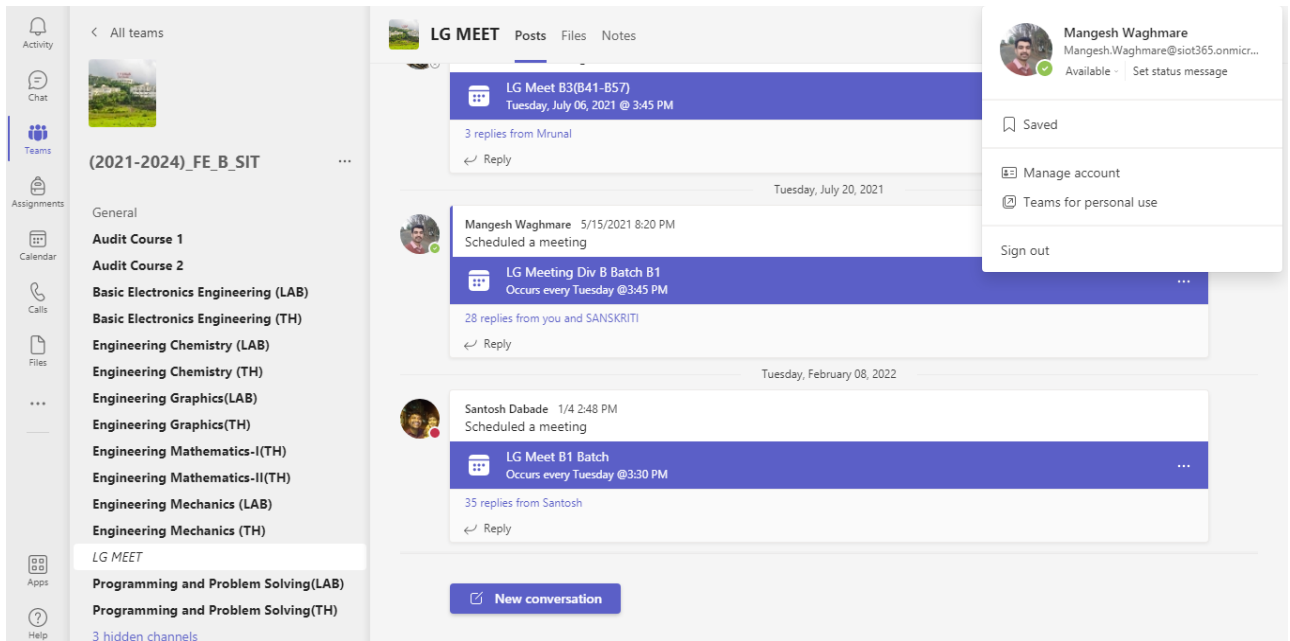
**Dr. Mangesh A. Waghmare**  
TG



**Dr. P. S. Patil**  
HOD

**Department of Engineering Sciences**

**Photographs of the activity**



*Mangesh A. Waghmare*

**Dr. Mangesh A. Waghmare**

**TG**



*P. S. Patil*

**Dr. P. S. Patil**

**HOD**

**Department of Engineering Sciences**

*M. S. Gaikwad*

**Dr. M. S. GAIKWAD  
PRINCIPAL**

**Sinhgad Institute Of Technology, Lonavala**