



**SAPTHAGIRI COLLEGE OF ENGINEERING
BENGALURU-560057**

(Accredited by NAAC with "A" grade)
(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)
(Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

List of Events /activities conducted in March – 2021

S.NO	Name of Activity	Date	Page No.
1	Visit to Visvesvaraya Industrial & Technological Museum.	16/03/2021	1-10
2	Visit to HMT Heritage Centre & Museum	18/03/2021	11-16
3	Identification & Marking of Machine / Equipment Machine tools	25/03/2021	17-19
4	Quiz competition on Boilers , Turbines	25/03/2021	20-21
5	Recognizing Components / Parts / accessories of Engines / Turbine / Boiler etc.	11/03/2021	22-24



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DEPARTMENT OF MECHANICAL ENGINEERING

*Type of event/activity	INDUSTRIAL VISIT
Name/Title of the Activity/Event	Industrial Visit to “Visvesvaraya Industrial & Technological Museum”.
Date of Organization	16/03/2021
Venue (with address)	SAPTHAGIRI COLLEGE OF ENGINEERING
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING & DEPARTMENT OF CIVIL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> 1. To provide an opportunity to students to explore new technologies in various fields of Science & Engineering. 2. To provide an opportunity for students to relate and analyze the concepts taught in classroom sessions with the exhibits and working models. 3. To create an awareness about Social wellbeing, safety and societal interactions. 4. To create an awareness about professional ethics and responsibilities. 5. To nurture team work skills in various real time situations. 6. To help students develop communication skills through interactions with the outside world.
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	64
Mention organized /participated/attended	64 Participants attended the activity

Event Description:

An Industrial Visit to “Visvevaraya Industrial & Technological Museum” was organized to First Semester Mechanical & Civil Engineering students on 16/03/2021. 64 Students along with four faculty members visited the museum using College transport facilities. Students were provided an opportunity to have an insight on various fields of Science & Engineering (i.e., Mechanical Engineering, Aeronautical & Aerospace Engineering, Biotechnology, Electrical & Electronics

Engineering etc.) during the visit. An awareness on safety, social interaction and professional ethics was created among the students by advising them about discipline and punctuality. Students were advised to be in teams and faculties helped the teams in understanding the exhibits. Students also were asked to explain few concepts which were explained in classroom to strengthen their communication skills. Students also experienced the working of Modern equipment's through the exhibits

Images: Enclosed

Note:(i) After every event, please take feedback (online/offline).(ii)At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3				2	2	2	3	2	3		2

***Type of activity: Industrial Visit**



Event Co-ordinator

Date of Submission: 03/04/2021

Signature of the HOD



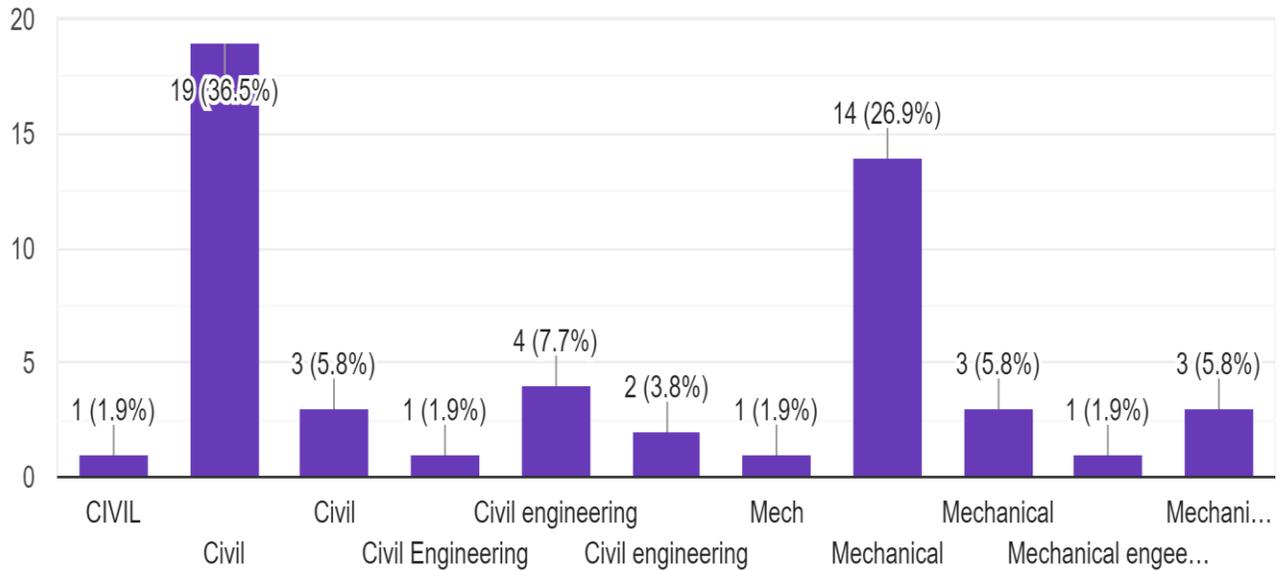


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Feedback Collected for Industrial Visit to
“Visvesvaraya Industrial & Technological Museum”

BRANCH

52 responses

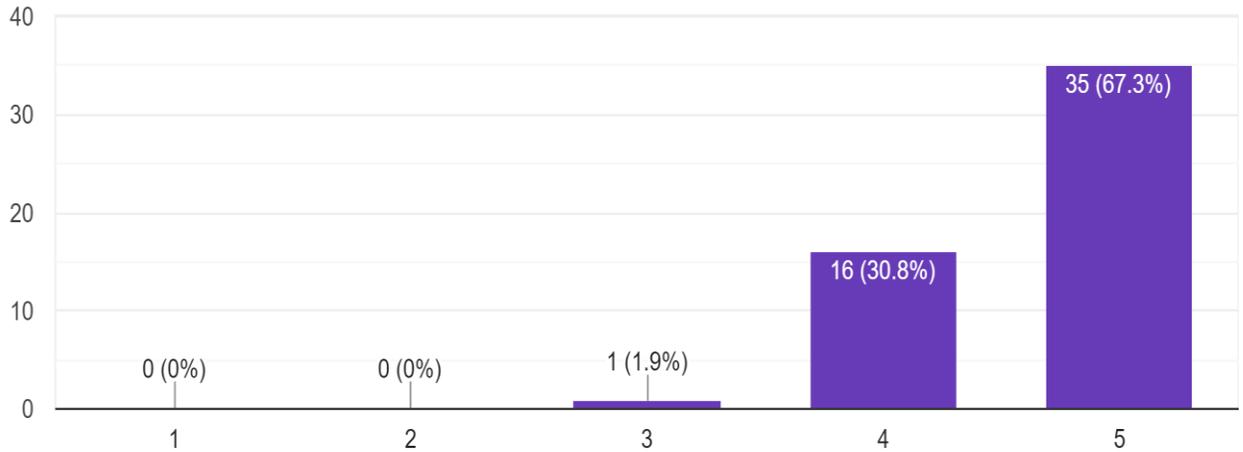




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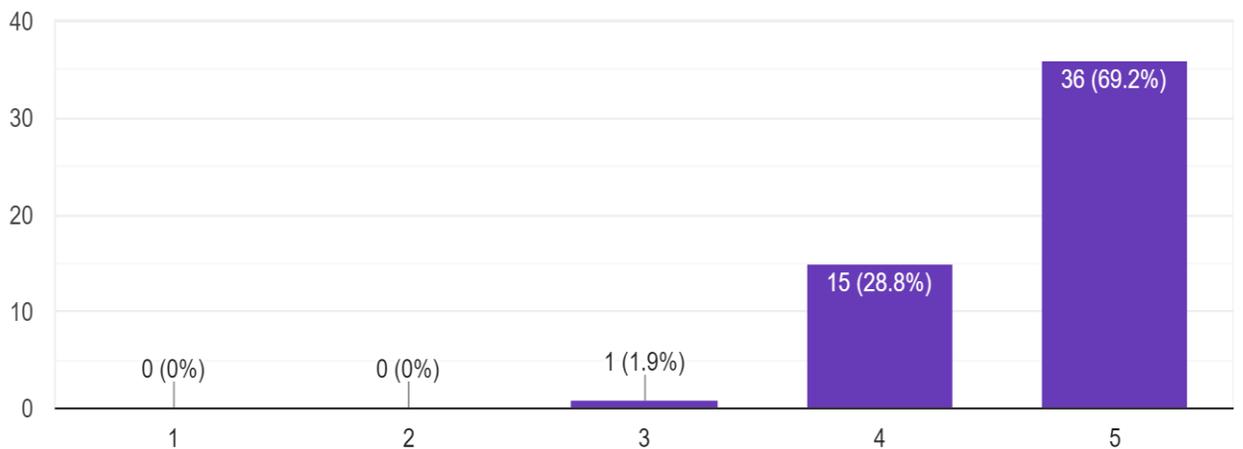
To what extent have you understood the concepts in science and various engineering fields?

52 responses



How strong have you understood the utilization of modern mechanisms and modern tools in various industries and applications?

52 responses

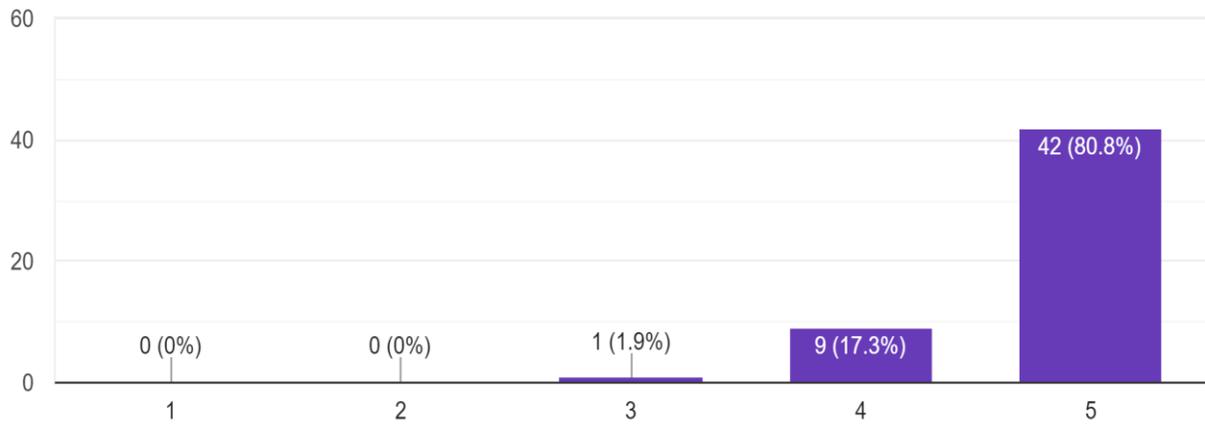




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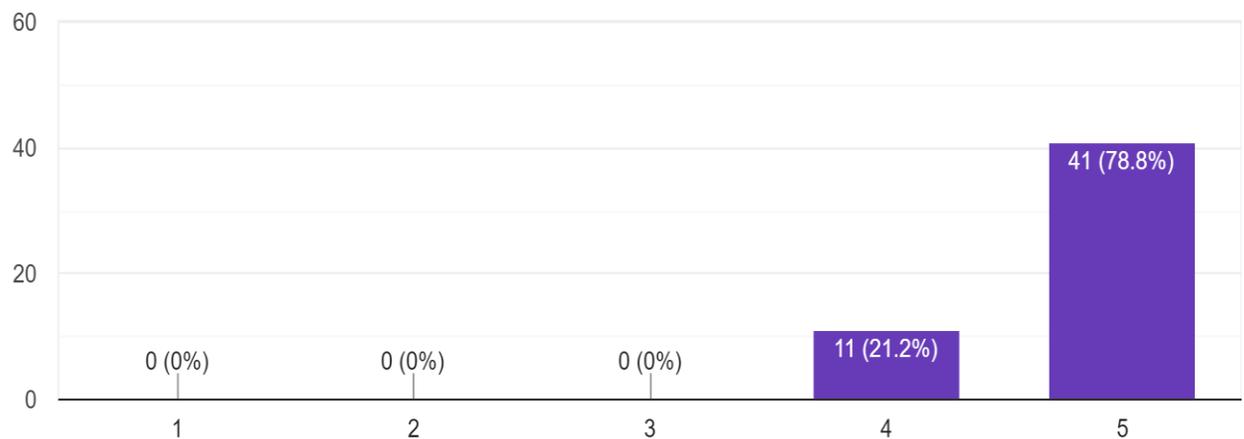
Rate your understanding about the experience gained on industrial safety, societal aspects and health related issues.

52 responses



To what extent the visit was successful in creating awareness about Environment and Sustainability?

52 responses

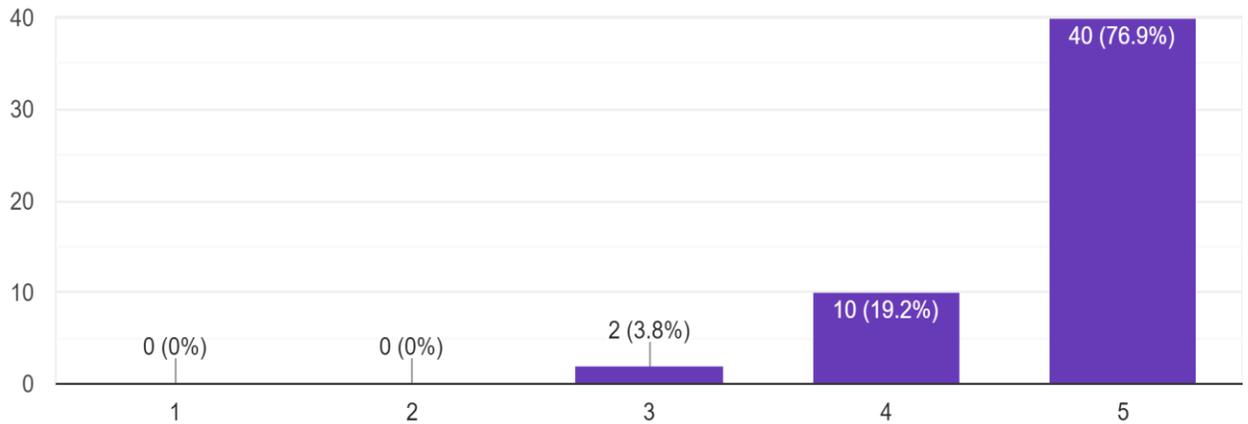




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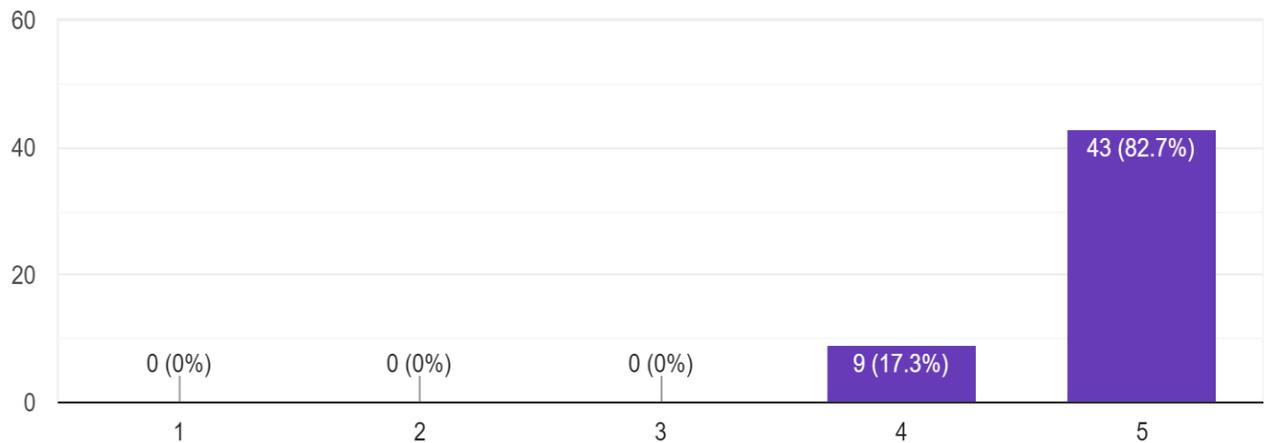
How strong have you realized the Principles and commitment towards Professional Ethics and responsibilities?

52 responses



To what extent have you understood the importance of functioning effectively as an Individual or a member of a team?

52 responses

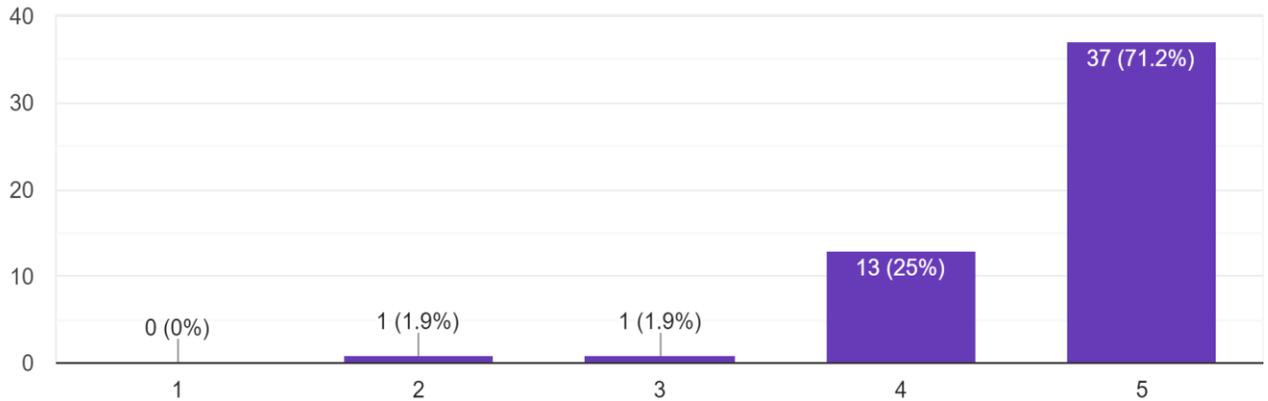




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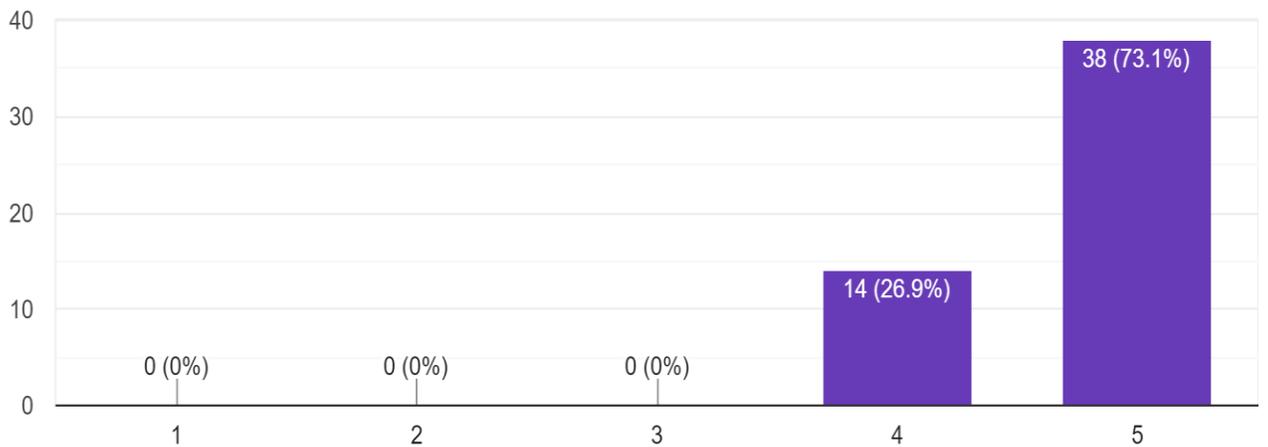
How strong are you able to communicate effectively on various aspects of science and technology with the engineering community?

52 responses



Rate your ability in understanding the need for life-long learning in the context of a technological change.

52 responses



SIGNATURE OF FACULTY
COORDINATOR

SIGNATURE OF HOD



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DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2020-21

FEEDBACK COLLECTED ON INDUSTRIAL VISIT TO VISVEVARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM

Date of Visit: 16/03/2021

Semester: I

Branch: Mechanical + Civil Engineering

Sl. No.	Name:	USN	BRANCH	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	SUGGESTIONS FOR IMPROVEMENT
1	Daivik K R	1SG20ME003	Mechanical	4	5	4	5	5	4	2	4	
2	Sahil Sulaiman	1SG20ME017	Mechanical engineering	4	4	4	4	4	4	4	4	
3	Yashas.k.a	1SG20CV033	Civil	5	5	5	5	5	5	5	5	
4	Vilok R	1SG20ME022	Mechanical	5	5	5	5	5	5	4	5	Bus improvement
5	Amogh MM	1sg20me001	Mechanical	3	3	4	5	5	5	5	5	
6	Harsha vardhan.m	1SG20CV005	Civil	5	5	5	5	5	5	5	5	
7	Pavan m	1SG20ME012	Mech	4	4	3	4	4	5	3	4	
8	Yatin G Rao	1SG20ME024	Mechanical	5	5	5	5	5	5	5	5	None
9	Lakshman Naik KS	1SG20CV034	Civil engineering	4	5	5	5	4	5	5	5	
10	Suhas nb	1SG20CV022	Civil	5	5	5	5	5	5	5	5	
11	S Rajshekar	1SG20ME016	Mechanical	5	5	5	5	5	5	5	5	No improvement it was good
12	Harshith Kumar h v	1SG20ME025	Mechanical	5	5	5	5	5	5	5	5	
13	ROHAN M	1SG20CV015	Civil	5	5	5	5	5	5	5	5	Proper travel requirements.and food requirements and proper planned could be done..
14	Kishan.S	1SG20CV007	Civil	4	4	4	5	5	4	5	4	Needed more time
15	Chandan	1SG20ME002	Mechanical	5	5	5	5	5	5	5	5	It was excellent
16	Dhanush L.K	1SG20CVO04	Civil	5	4	4	5	3	4	5	4	Nothing
17	Karthik kj	1SG20CV006	Civil	5	4	5	4	4	5	4	5	
18	Shashanka B	1SG20ME020	Mechanical	5	5	5	5	5	5	5	5	
19	Sanketh valahatti	1SG20CV018	Civil	5	5	5	5	5	5	5	5	Nothing
20	Bhoomika dr	1SG20CV003	Civil	4	4	5	5	4	5	4	5	
21	G likhith	1SG20ME004	Mechanical	5	5	5	4	5	5	5	5	
22	K.Lohith babu	1SG20CV008	Civil engineering	4	4	4	5	4	4	4	4	
23	G Rakshath	1SG20ME015	Mechanical	5	5	5	5	5	5	5	5	
24	YASHU GOWDA R	1SG20CV032	Civil	5	5	5	5	5	5	5	5	
25	Neha.T.M.	1SG20CV010	Civil	4	5	5	5	4	5	5	5	Good
26	Gowtham gowda	1SG20ME007	Mechanical	5	5	5	5	5	5	5	5	Would like to look further for more industrial visits
27	Srujan m s1	1sg20me021	Mechanical engineering	5	5	5	5	5	5	5	5	
28	R Arun Kumar	1SG20ME014	Mechanical	5	4	5	5	5	4	5	5	
29	Sahil sameer	1SG20ME027	Mechanical engeneering	5	4	5	4	3	5	5	4	
30	Venkatesh	1SG20CV028	Civil	5	5	5	5	5	5	5	5	They should give us snacks
31	Sujay Gowda G	1SG20CV023	CIVIL	5	5	5	5	5	5	5	5	
32	Sagar mn	1SG20CV017	Civil	4	5	5	5	5	5	5	5	Good
33	Thanushree KS	1SG20CV027	Civil	4	5	5	5	5	5	5	5	
34	Pavan R	1SG20ME013	Mechanical	5	5	5	5	5	5	5	5	
35	Vidya S	1SG20CV029	Civil	5	4	5	5	5	5	4	5	
36	Adarsh Pandey	1SG20CV001	Civil Engineering	4	4	5	4	5	5	4	4	We need more time to spend there...
37	Raman yadav	1SG20ME026	Mechanical engineering	4	4	5	4	5	5	4	4	Time wasn't sufficient.
38	Yamuna KR	1SG20CV031	Civil	5	5	5	5	5	5	5	5	Time was not sufficient
39	MOHD MUDASSAR RATHER	1SG20CV038	Civil engineering	5	5	5	5	5	5	5	5	Time is not precious
40	Prathiksha P Palankar	1SG20CV012	Civil	5	5	5	5	5	4	5	4	Didnt get sufficient time to explore more
41	Manjunatha.k.r	1SG20ME009	Mechanical	4	4	5	5	4	5	4	4	It's would be better , if allowed to spend more time
42	Younis	1SG20CV035	Civil	5	4	5	5	5	5	4	4	Time was not sufficient
43	Shivarajakumar	1SG20CV021	Civil	4	5	4	4	4	4	4	5	Time was not sufficient We expect longer industrial visits lasting 2 to 3 days.
44	Suma S	1SG20CV024	Civil	4	5	4	4	4	4	4	4	Time was not sufficient
45	RAKSHITHA R	1SG20CV014	Civil	5	5	5	5	5	5	5	5	Time was not sufficient to explore more things
46	Anand	1SG20CV002	Civil	5	5	5	5	5	5	5	5	Time was no sufficient... To provide more time to see other...and learn more...

47	Manoj.S	1SG20ME010	Mechanical	5	5	5	5	5	5	5	5	Time was not sufficient to explore many things so maybe next time u give us more time to explore many things and know about all things clearly
48	Sharan	1SG20CV019	Civil engineering	5	5	5	5	5	5	5	5	TIME WAS NOT EFFICIENT TO EXPLORE ALL THE THINGS.....
49	Nabin kumar mahato	1SG20CV036	Civil engineering	5	4	5	4	5	5	4	5	Time was not sufficient for industrial visiting.
50	Preetham K R	1SG20CV013	Civil engineering	4	5	4	4	5	5	5	4	Required more time
51	Gagan CD	1SG20ME005	Mechanical	5	5	5	5	5	5	5	5	Time was not sufficient to explore..
52	Nishanth LR	MSG20ME011	Mechanical	5	5	5	5	5	5	5	5	Time was not sufficient to explore..

Q1	To what extent have you understood the concepts in science and various engineering fields?
Q2	How strong have you understood the utilization of modern mechanisms and modern tools in various industries and applications?
Q3	Rate your understanding about the experience gained on industrial safety, societal aspects and health related issues.
Q4	To what extent the visit was successful in creating awareness about Environment and Sustainability?
Q5	How strong have you realized the Principles and commitment towards Professional Ethics and responsibilities?
Q6	To what extent have you understood the importance of functioning effectively as an Individual or a member of a team?
Q7	How strong are you able to communicate effectively on various aspects of science and technology with the engineering community?
Q8	Rate your ability in understanding the need for life-long learning in the context of a technological change.

Number of 5's=	312
Number of 4's=	97
Number of 3's=	6
Number of 2's=	1
Number of 1's=	0
Number of Questions=	8
Number of Responses=	52

RANGE: POOR=1
EXCELLENT=5

SIGNATURE OF FACULTY
COORDINATOR

SIGNATURE OF HOD

SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU –560057

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi)

Department of Mechanical & Civil Engineering**List of students Visited Museum**

BRANCH : ME + CV		Section : A		Semester : 1st	
College USN	STUDENTS NAME	USN	STUDENTS NAME	USN	STUDENTS NAME
1SG20ME001	AMOGH M M	1SG20CV001	ADARSH PANDEY	1SG20CV030	VINAY V
1SG20ME002	CHANDAN S	1SG20CV002	ANAND	1SG20CV031	YAMUNA K R
1SG20ME003	DAIVIK K R	1SG20CV003	BHOOMIKA D R	1SG20CV032	YASHU GOWDA R
1SG20ME004	G LIKHITH	1SG20CV004	DHANUSH L K	1SG20CV033	YASHAS K A
1SG20ME005	GAGAN C D	1SG20CV005	HARSHAVARDHAN.M	1SG20CV034	Lakshman Naik K S
1SG20ME006	GAGAN D	1SG20CV006	KARTHIK K J	1SG20CV035	Younis Amad Tali
1SG20ME007	GOWTHAM GOWDA	1SG20CV007	KISHAN S	1SG20CV036	Nabin Kumar
1SG20ME008	LAXMAN SIDDPPA	1SG20CV008	LOHITH BABU K	1SG20CV037	Hruthik Gowda D K
1SG20ME009	MANJUNATHA K R	1SG20CV009	MOHAMMAD HAZIQ TANTARY		
1SG20ME010	MANOJ S	1SG20CV010	NEHA T M		
1SG20ME011	NISHANTH L R	1SG20CV011	NISARGA S S		
1SG20ME012	PAVAN M	1SG20CV012	PRATHIKSHA P PALANKAR		
1SG20ME013	PAVAN R	1SG20CV013	PREETHAM K R		
1SG20ME014	R ARUN KUMAR	1SG20CV014	RAKSHITHA R		
1SG20ME015	RAKSHATH G	1SG20CV015	ROHAN M		
1SG20ME016	S RAJSHEKAR	1SG20CV016	ROHITH GOWDA.C		
1SG20ME017	SAHIL SULAIMAN	1SG20CV017	SAGAR M N		
1SG20ME018	SHASHANK M V	1SG20CV018	SANKETH VALAHATTI		
1SG20ME019	SHASHANK.S	1SG20CV019	SHARAN S MALI PATIL		
1SG20ME020	SHASHANKA B	1SG20CV020	SHASHANK R		
1SG20ME021	SRUJAN M S	1SG20CV021	SHIVARAJAKUMAR PARASAPPA HOLIYACHI		
1SG20ME022	VILOK R	1SG20CV022	SUHAS N B		
1SG20ME023	VISHWAS YADAV	1SG20CV023	SUJAY GOWDA G		
1SG20ME024	YATIN G RAO	1SG20CV024	SUMA S		
1SG20ME025	HARSHITH KUMAR H V	1SG20CV025	TARUN K		
1SG20ME026	RAMAN YADAV	1SG20CV026	TEJAS.M		
1SG20ME027	SAHIL SAMEER	1SG20CV027	THANUSHREE K S		
		1SG20CV028	VENKATESH		
		1SG20CV029	VIDYA S		

Signature of Faculty In charge



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DEPARTMENT OF MECHANICAL ENGINEERING

*Type of event/activity	INDUSTRIAL VISIT
Name/Title of the Activity/Event	Industrial Visit to “HMT Heritage Center & Museum”.
Date of Organization	18/03/2021
Venue (with address)	HMT Heritage Centre & Museum, HMT Colony, HMT Estate, Jalahalli, Bengaluru, Karnataka 560013
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> 1. To provide an opportunity to students to explore new technologies in various fields of Science & Engineering. 2. To provide an opportunity for students to relate and analyze the concepts taught in classroom sessions with the exhibits and working models. 3. To create an awareness about Social wellbeing, safety and societal interactions. 4. To create an awareness about professional ethics and responsibilities. 5. To nurture team work skills in various real time situations. 6. To help students develop communication skills through interactions with the outside world.
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	57
Mention organized /participated/attended	57 Participants attended the activity

Event Description:

An Industrial Visit to “HMT Heritage Centre & Museum” was organized to First Semester Biotechnology students on 18/03/2021 under the guidance of Faculty Coordinator Prof. Prashanth. 57 Students along with other faculties’ viz. Prof. Satish Kumar Y D & Prof. Thejas M S were taken to the museum using College transport facilities. Students were provided an opportunity to have an insight on various fields of Science & Engineering (i.e., Mechanical Engineering, Manufacturing Technology, Electrical & Electronics Engineering etc.) during the visit. An awareness on safety, social interaction and professional ethics was created among the students by advising them about discipline and punctuality. Students were advised to be in teams and faculties helped the teams in understanding the exhibits. Students also were asked to explain few concepts which were explained in classroom to strengthen their communication skills. Students also experienced the working of Modern equipment’s through the exhibits

Images: Enclosed

Note :(i) After every event, please take feedback (online/offline).(ii)At the end map PO’s (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3				1	3	1	3	2	3		2

***Type of activity: Industrial Visit**



Event coordinator

Date of Submission: 17/03/2021

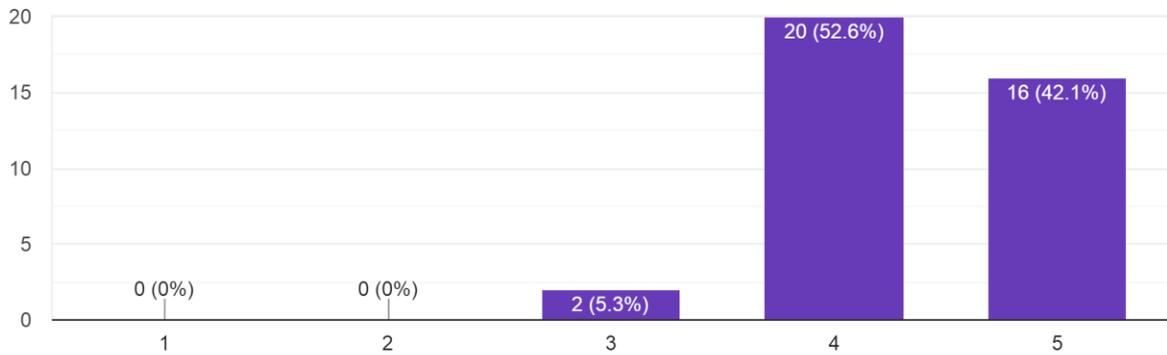
Signature of the HOD



FEEDBACK REPORT

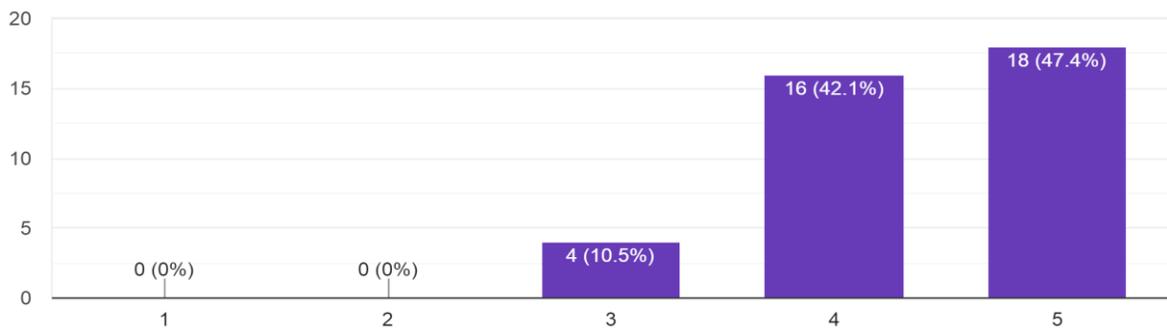
Q1) To what extent have you understood the concepts in science and various engineering fields?

38 responses



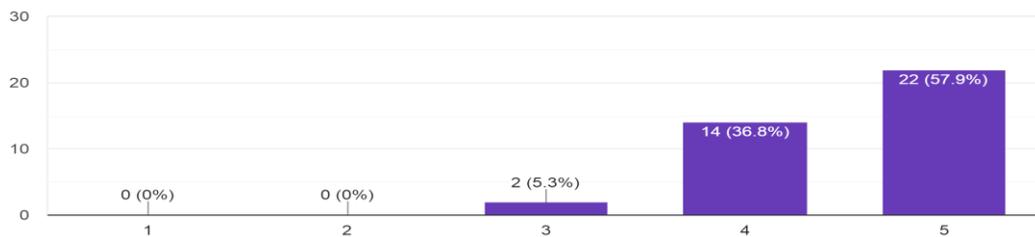
Q2) How strong have you understood the utilization of modern mechanisms and modern tools in Manufacturing Industry?

38 responses



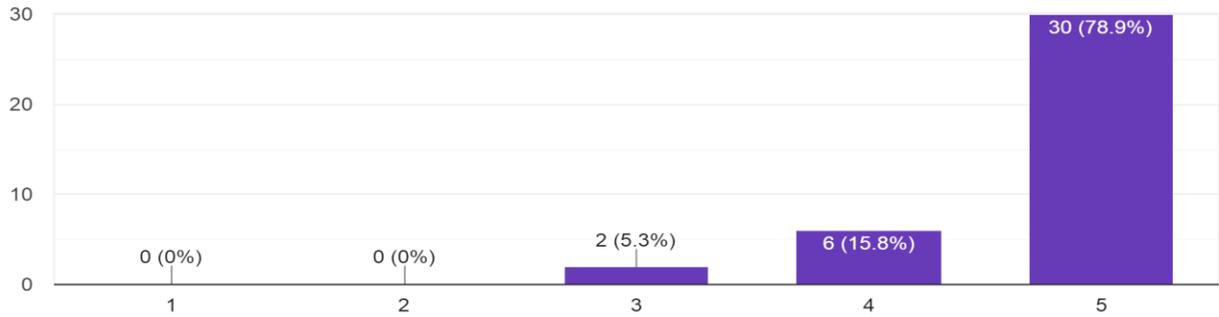
Q3) Rate your understanding about the experience gained on industrial safety and societal aspects.

38 responses



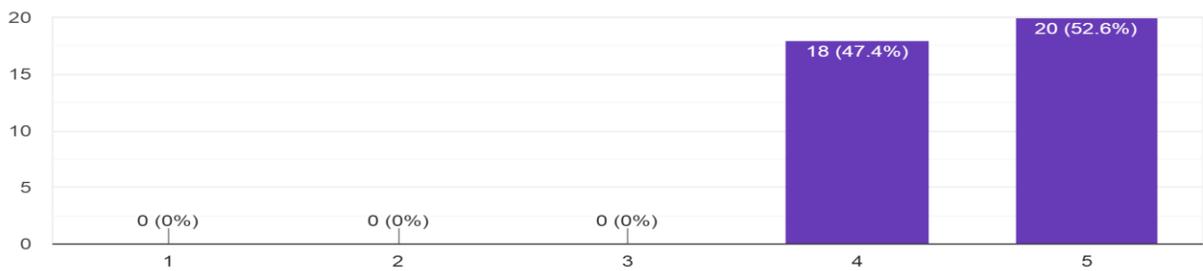
Q4) To what extent the visit was successful in creating awareness about environment and sustainability?

38 responses



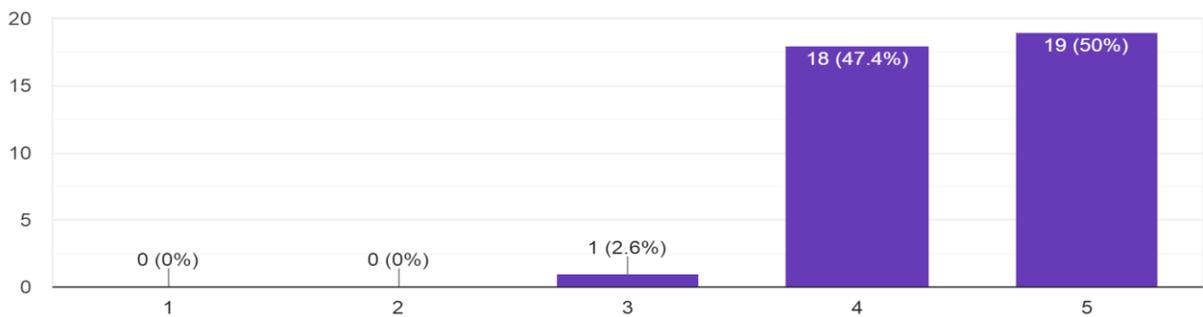
Q5) How strongly have you realized the principles and commitments towards Professional ethics and responsibilities?

38 responses



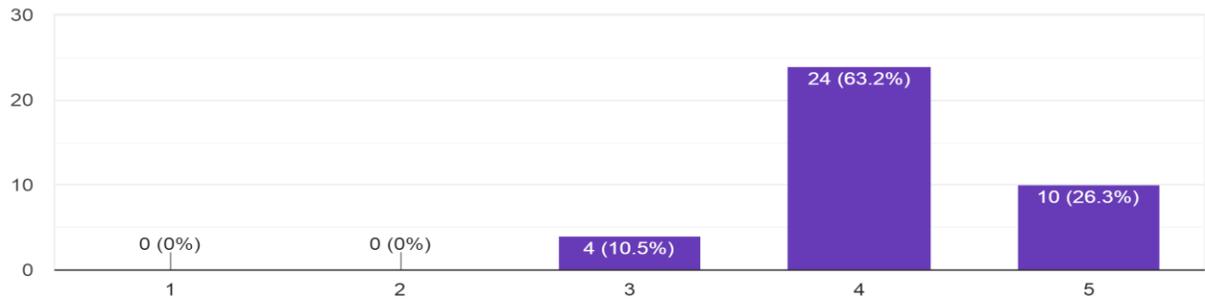
Q6) To what extent have you understood the importance of functioning effectively as an Individual or a member of a team?

38 responses



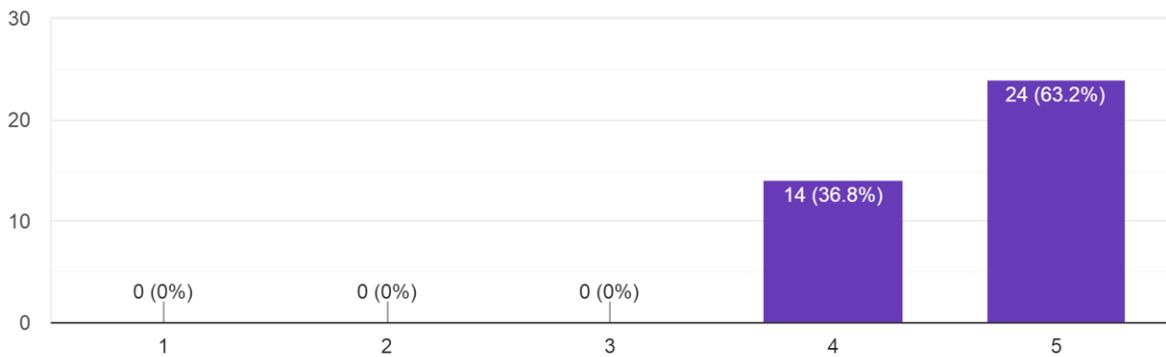
Q7) How strong are you able to communicate effectively on various aspects of Engineering and Technology with the engineering community?

38 responses



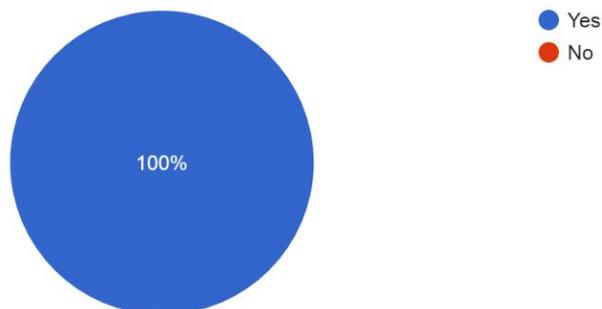
Q8) Rate your ability in understanding the need for life-long learning in the context of technological change.

38 responses



Q9) Do you like to participate in more and more industrial visits in future?

38 responses





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DEPARTMENT OF MECHANICAL ENGINEERING

*Type of event/activity	Identification of Part / Component / Accessories of Boiler, Turbine, Refrigerator, Lathe etc.
Name/Title of the Activity/Event	Labeling the parts of Boiler , Turbine, Refrigerator, Lathe etc.
Date of Organization	25/03/2021
Venue (with address)	Sapthagiri College of Engineering
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> 1. Students apply their understanding of a concept by identifying parts of a diagram. 2. Students can have better understanding of what they are looking at. 3. Students will discuss in a group and identify the parts based on their functioning.
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	60
Mention organized /participated/attended	60 Students participated in the activity

Event Description:

Students were informed to go through all the diagrams in the EME subject and were asked to practice before conducting the activity. On the day of activity a group of 4-5 students were made & a random sheet containing a diagram of Boilers, Turbines without labeling was given & asked them to discuss and identify the parts based on their functioning it in the next 10 minutes. Students in group 3 to 4 discussed about the parts to be labeled & completed the task in specified time.

Images: Enclosed

Note: Mapping with_PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3							2	3	2		2

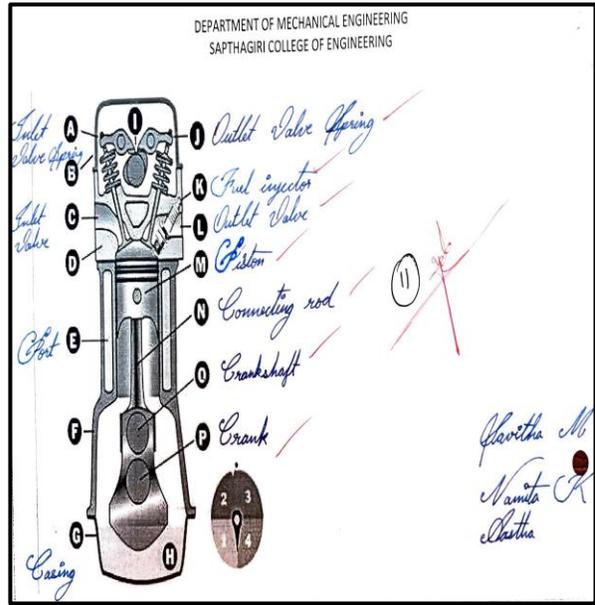
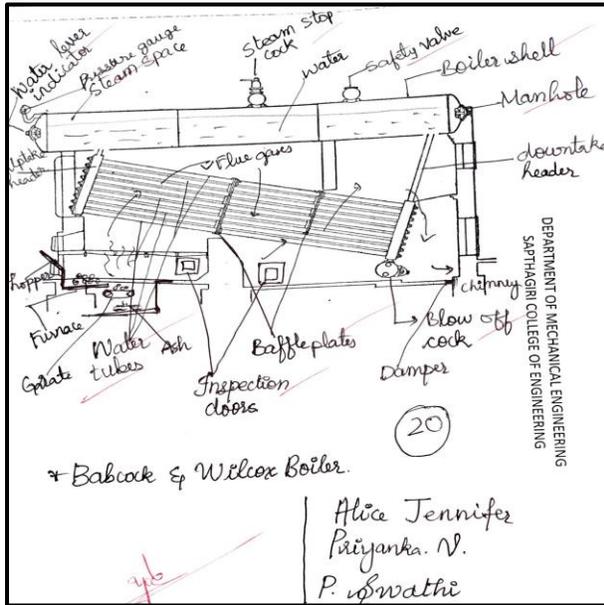
***Type of activity: Classroom Activity**



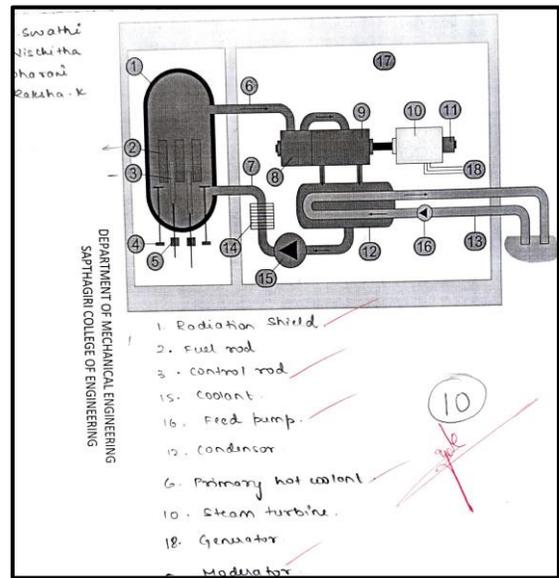
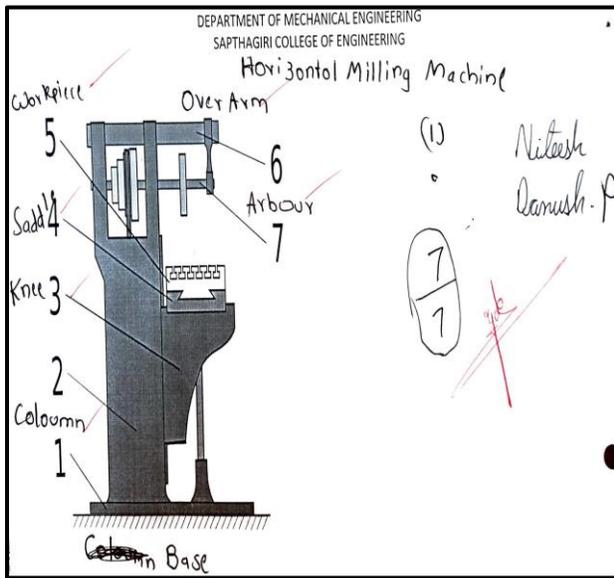
Event coordinator

Date of Submission: 03/04/2021

Signature of the HOD



Sample Images of Completed Activity



DEPARTMENT OF MECHANICAL, BENGALURU-560057

*Type of event/activity	E-QUIZ
Name/Title of the Activity/Event	E-QUIZ ON BOILERS & HYDRAULIC TURBINES (Elements of Mechanical Engineering)
Date of Organization	25/03/2021
Venue (with address)	SAPTHAGIRI COLLEGE OF ENGINEERING
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> 1. To provide an opportunity for students to participate in Quiz. 2. To provide an opportunity for students to understand the concepts of Boilers and Hydraulic Turbines. 3. To create awareness for future Online Examinations/ Tests having MCQ's
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	45
Mention organized /participated/attended	45 Students from I-Semester EC - B Section

Event Description:

An E-Quiz was conducted on 25/03/2021, using Google Forms for I-Semester (EC - B Section) Students on Boilers and Hydraulic Turbines. The quiz comprised a total of 10 Multiple choice questions. The Google form link was shared to students and they were asked to participate. The test would get completed in approximately in 15min.

The objective of this activity was to make students learn more about Boilers and Hydraulic Turbines and also to create basic awareness about online tests/ exams. Students participated individually by logging in through their respective Google accounts. As soon as the participant submitted the quiz, an automatic evaluation would provide their scores. The result sheet is herewith attached for reference. The scores obtained by the participants will be awarded as a part of the Internal Assessment Component-2 which is also evaluated for 10marks

Images: Enclosed

Note:(i) After every event, please take feedback (online/offline).(ii)At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3				3			1	2			3

***Type of activity: Design Competition**

Event Co-ordinator

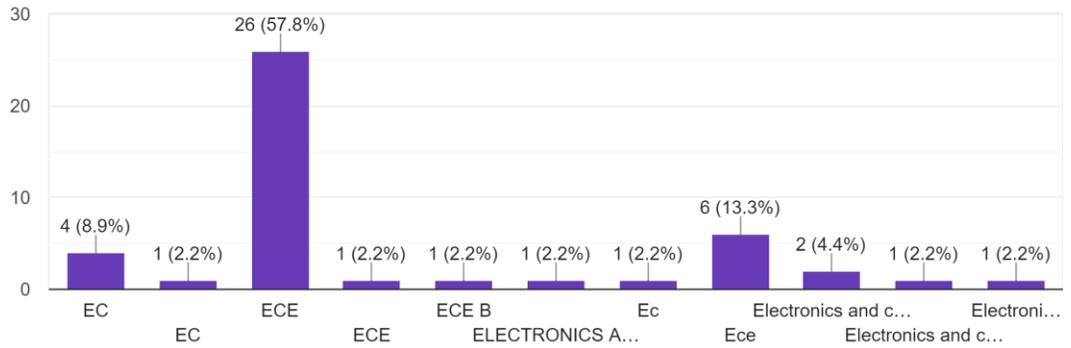
Signature of the HOD

Date of Submission: 03/04/2021

Responses

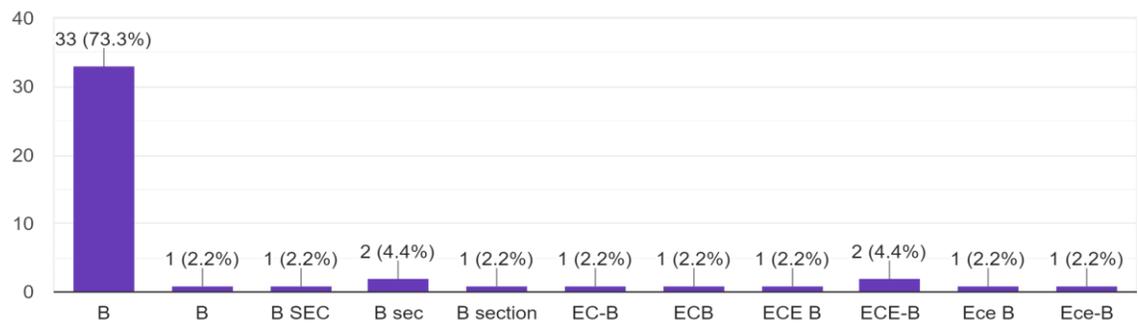
BRANCH

45 responses



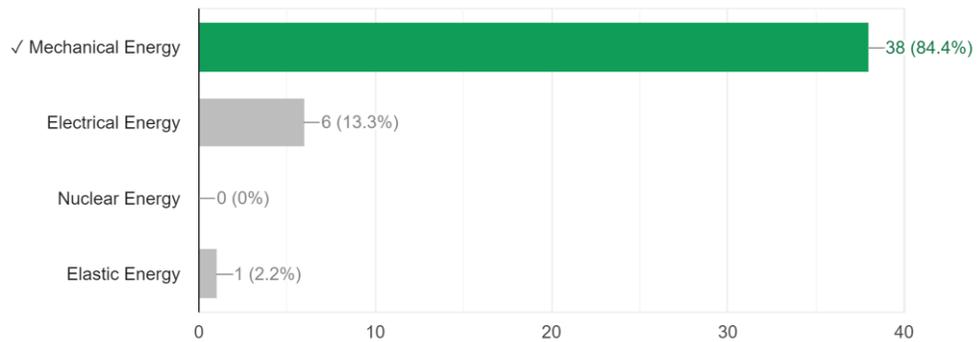
SECTION

45 responses



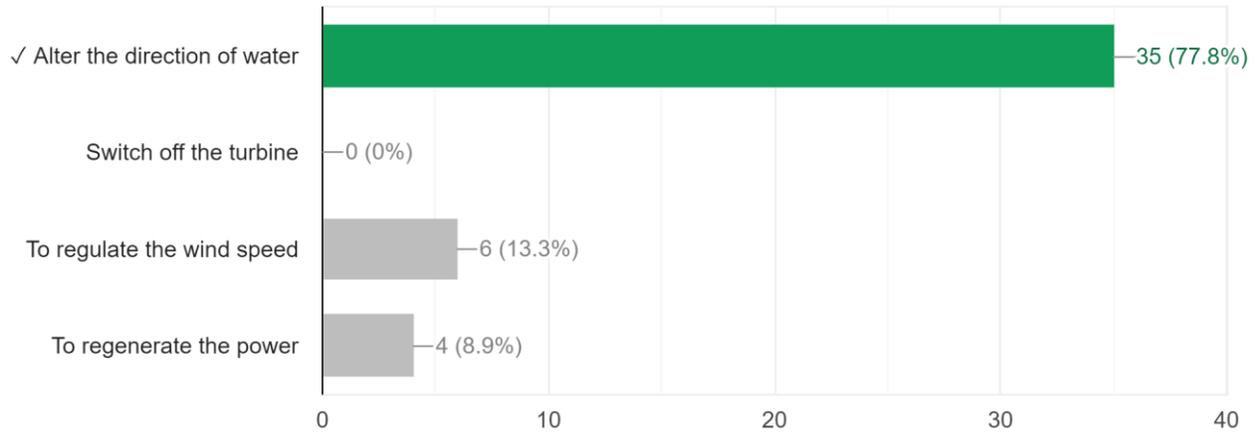
Hydraulic energy is converted into another form of energy by hydraulic machines. What form of energy is that?

38 / 45 correct responses



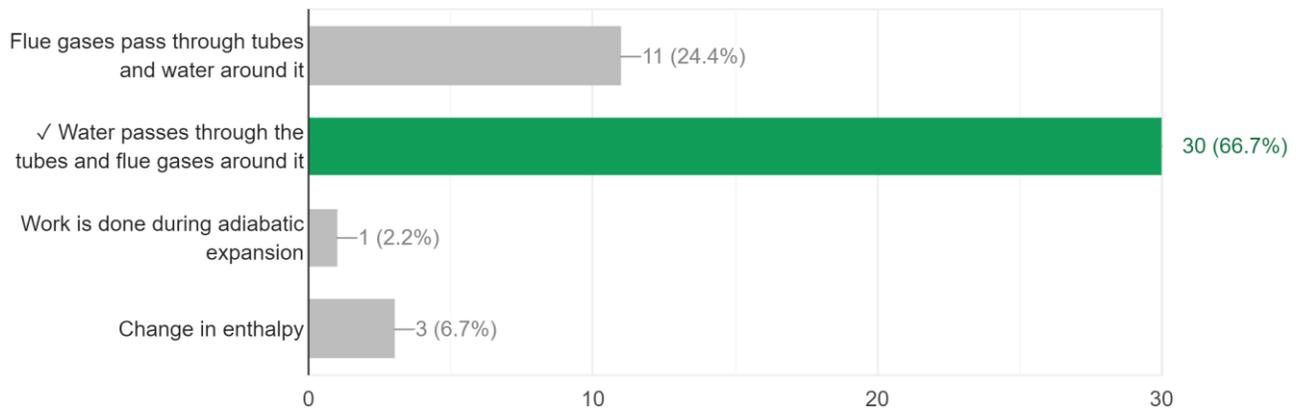
Buckets and blades used in a turbine are used to:

35 / 45 correct responses



Water tube boilers are those in which _____

30 / 45 correct responses





**SAPTHAGIRI COLLEGE OF ENGINEERING
BENGALURU-560057**

(Accredited by NAAC with "A" grade)
(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)
(Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING

*Type of event/activity	Recognizing Components / Parts / accessories of Engines / Turbine / Boiler etc.
Name/Title of the Activity/Event	Labeling the Parts of Boiler / Engines / Turbine etc. in the Diagram
Date of Organization	29/03/2021
Venue (with address)	Sapthagiri College of Engineering
Organized by	DEPARTMENT OF MECHANICAL ENGINEERING
Objectives of the event/activity	<ol style="list-style-type: none"> 1. Students apply their understanding of a concept by identifying parts of a diagram. 2. Students can have better understanding of what they are looking at.
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	54
Mention organized /participated/attended	54 Participants attended the activity

Event Description:

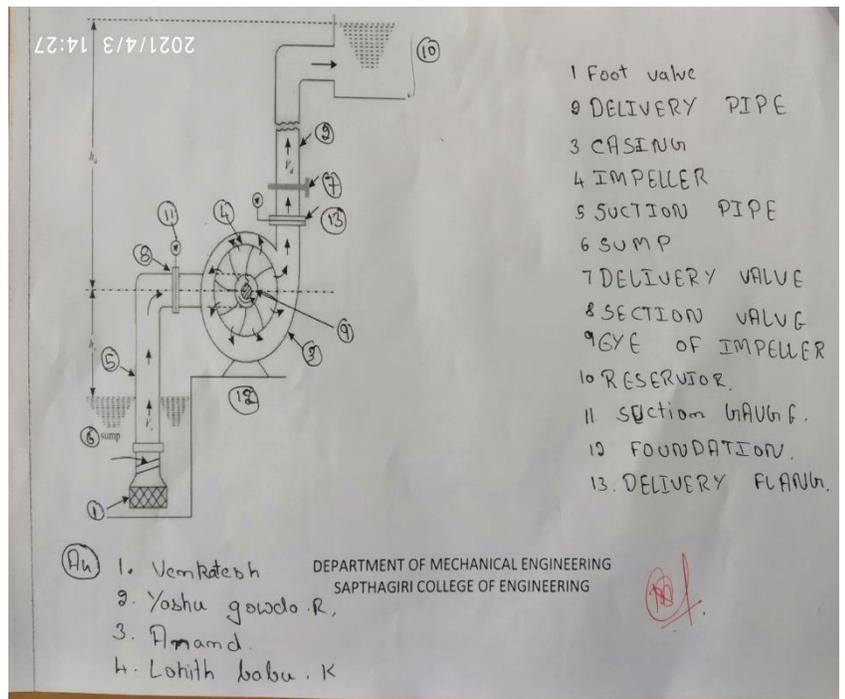
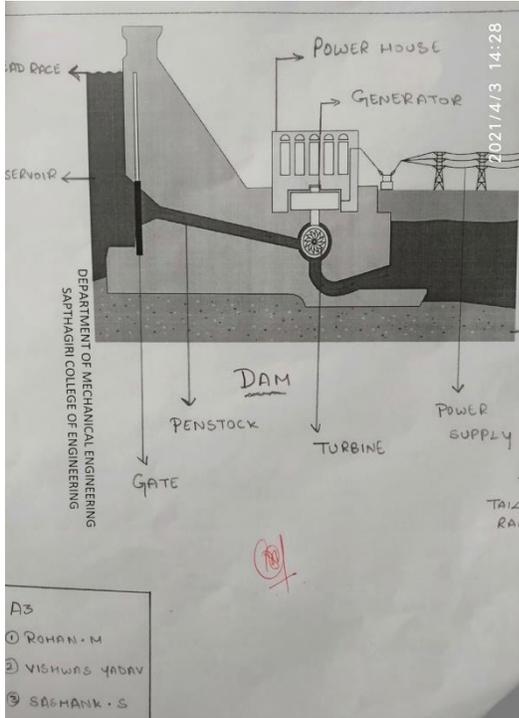
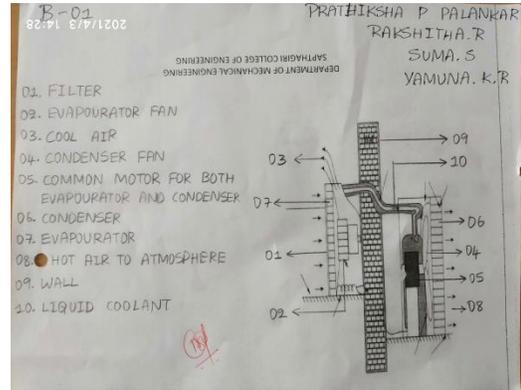
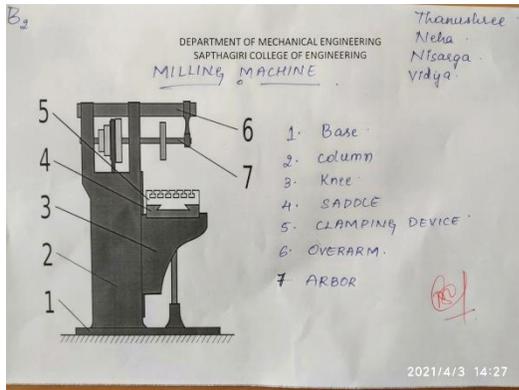
Students of I-Sem (Sec: Mech+Civ) were informed to go through all the diagrams in the EME subject and were asked to practice before conducting the activity. On the day of activity, a group of 3-5 students was made & a random sheet containing a diagram without labeling was given & each group was asked to label them in 10 minutes. Students in group discussed about the given diagram, parts to be labeled & completed it in the specified time.

Images: Enclosed

Note: (i) After every event, please take feedback (online/offline). (ii) At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2							2	3	2		2

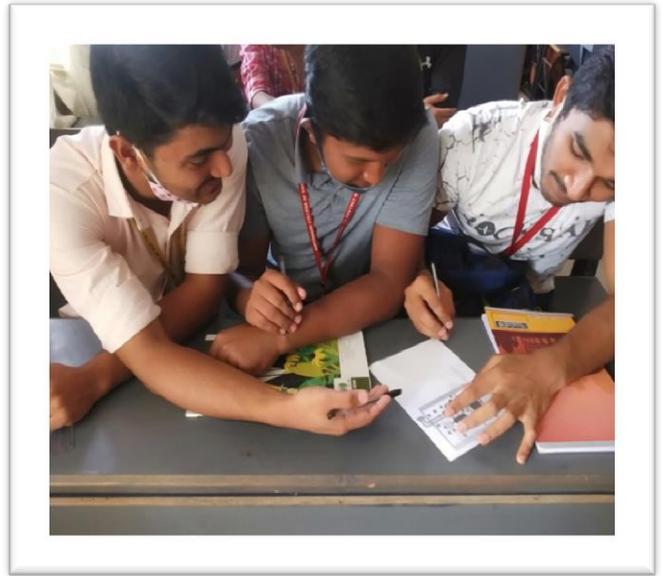
***Type of activity: Classroom Activity**



Event coordinator

Date of Submission: 03/04/2021

Signature of the HOD



Images of Activity Conducted

