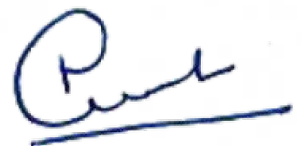


# **CO ATTAINMENT REPORT**

**Academic Year: 2022-23**



Principal  
Pune District Education Association's  
College of Engineering Manjari (Bk.),  
Pune - 412307.



**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**CO-PO ARTICULATION MAPPING**



**CO-PO Mapping Matrix**

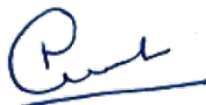
Faculty Name:	Prof. R. Y. Pawar	Year of study:	2022-23	SEM	I	Odd/Even	Odd
	Course Name:		SME (2019 part)		Course Code:		102003
<b>Course Outcome: At the end of the course students will be able to</b>							
<b>CO 1</b>	Describe and compare the conversion of energy from renewable and non-renewable energy sources						
<b>CO 2</b>	Explain basic laws of thermodynamics, heat transfer and their applications.						
<b>CO 3</b>	List down the types of road vehicles and their specifications						
<b>CO 4</b>	Illustrate various basic parts and transmission system of a road vehicle						
<b>CO 5</b>	Discuss several manufacturing processes and identify the suitable process						
<b>CO 6</b>	Explain various types of mechanism and its application						
				<b>PO</b>			<b>PSO</b>
						1,6,7	3
						1, 6	3
						1,6,7,8	1,2,3
						2,3,6,7,9	1,2,3
						2,5,6,7,9	1,2
						2,5,7,9,10,11,12	1

**Prof. R. Y. Pawar**  
**Subject Teacher**

**Dr. S. A. P. Jadhav**  
**Head of Department**

# ASSIGNMENT ANALYSIS REPORT

**Academic Year: 2022-23**



Principal  
Pune District Education Association's  
College of Engineering Manjari (Bk.),  
Pune - 412307.



PDEA's College Of Engineering, Manjari(Bk), Pune-412307  
 Department of Mechanical Engineering  
 Assignment Assessment Report  
 Academic Year 2022-2023



Class: First year of Enge

Subject: Systems in Mechanical Engineering

Div : II

SEM : II

Roll No.	Name of Student	Assignment No. 1					50	Assignment No. 2					50	Assignment No. 3					50	Assignment No. 4					50	Assignment No. 5					50	Assignment No. 6					50
		Q1	Q2	Q3	Q4	Q5		Q1	Q2	Q3	Q4	Q5		Q1	Q2	Q3	Q4	Q5		Q1	Q2	Q3	Q4	Q5		Q1	Q2	Q3	Q4	Q5		Q1	Q2	Q3	Q4	Q5	
1	SHARAT KISHOR K. MOHINIMAN	7	7	8	9	9	40	7	7	8	9	9	40	8	9	8	8	8	41	9	8	8	9	8	41	8	7	8	9	9	41	8	7	8	9	9	41
2	SHIVAM L. T. KARWHA ANIL	8	8	8	8	8	37	8	8	8	8	8	37	9	8	9	9	9	44	9	9	9	9	9	44	9	8	8	8	8	41	8	9	7	8	8	40
3	SUNIL SANKET SURUSHI	7	7	8	8	8	38	7	8	7	8	8	38	7	8	7	7	7	37	8	7	8	7	8	38	9	8	7	8	8	40	7	7	8	9	9	40
4	SUNAR KISHOR SHANUBRA	8	9	9	9	8	43	9	9	8	9	9	44	8	8	9	8	9	41	8	8	9	8	9	42	9	9	9	8	9	44	9	8	8	9	9	43
5	SUITE DIVAKAR VINU	7	7	7	8	8	37	7	7	7	8	8	37	8	7	8	7	7	37	8	8	7	8	8	39	7	7	7	8	8	37	9	9	8	10	10	46
6	SUNIL PRANALI SANTOSH	8	7	8	8	7	38	7	8	8	9	9	41	8	7	8	8	8	39	8	9	8	7	8	40	8	8	8	8	8	40	8	9	8	7	8	40
7	SUNIL SANKET MOH ANIL	9	9	8	9	9	44	8	8	9	8	9	41	9	8	9	8	9	41	8	9	9	8	8	42	9	8	8	8	9	42	9	9	8	9	9	44
8	MANAN KARTIK RAMDAS	8	8	7	8	7	38	9	8	8	8	7	40	8	7	8	8	7	38	8	7	8	8	7	38	8	7	8	9	8	40	8	7	8	7	7	37
9	MANAN PRATIKSHA RAJESH	7	7	8	9	9	40	9	9	9	8	9	44	8	7	8	9	9	41	8	9	9	8	9	43	8	8	8	9	8	41	7	8	8	9	9	41
10	MANALI YASHVIKAS	8	8	8	8	8	37	7	7	7	8	8	37	8	8	8	8	8	37	8	8	7	8	8	39	9	9	8	10	10	46	8	8	8	8	8	37
11	MANALI PRATIK RAJU	9	9	8	9	9	44	7	8	9	9	9	42	9	9	8	9	9	44	9	8	9	8	8	42	10	9	10	10	10	49	9	9	8	10	10	46
12	MANA MATTUO	8	7	8	8	7	38	8	8	8	8	8	37	7	8	7	7	8	37	7	7	8	9	9	40	7	7	7	8	8	37	7	9	8	7	7	38
13	MAHAR ANKUSHKAD	7	7	7	8	8	37	9	9	8	10	10	46	7	7	7	8	8	37	8	8	8	5	8	37	7	7	7	8	8	37	7	7	7	8	8	37
14	MHETRE PRAMAL VIKAS	7	7	7	8	8	37	10	9	10	10	10	49	7	7	7	8	8	37	9	9	8	10	10	46	7	8	9	9	9	42	7	8	7	8	8	38
15	MHETRE HARSHAL RAVINDRA	7	8	9	9	9	42	7	7	7	8	8	37	7	8	9	9	9	42	10	9	10	10	10	49	7	7	7	8	8	37	7	7	7	8	8	37
16	MILLI VISHAL BALASAMER	7	7	8	9	9	40	9	9	8	9	9	44	9	8	9	9	9	44	9	9	9	8	9	44	9	8	9	9	9	44	9	8	9	9	9	44
17	NAGENWAR HIRITESH LAAMAN	8	8	8	8	8	37	7	6	8	7	8	36	7	7	7	6	6	33	7	8	6	8	7	36	6	7	6	6	6	32	8	7	6	8	8	37
18	NIKAM NIKHIL BHAVSARDE	9	9	8	7	8	41	7	7	8	9	8	39	7	8	8	8	8	39	8	7	7	7	6	35	8	7	7	6	6	34	8	8	7	8	8	39
19	PAIDOLF KARTIK ASHOK	8	8	7	7	8	38	8	8	6	5	7	34	6	7	8	7	8	36	8	7	8	6	8	37	7	7	8	8	7	37	6	7	7	8	8	36
20	PATIL DEEPAK VIKAS	7	7	7	8	8	37	7	8	8	7	7	37	7	8	7	6	7	35	7	8	8	7	7	37	6	7	7	7	7	35	5	7	5	8	8	35
21	PAWAR AMELTA BHAGWAN	9	9	8	9	9	44	9	9	10	9	10	47	9	9	8	10	10	46	8	9	9	8	9	43	9	9	8	10	10	46	10	9	8	9	9	45
22	PAWAR KARAN ABRAJ	8	7	8	8	7	38	7	7	7	8	8	37	8	9	8	7	8	40	7	8	8	7	7	37	8	8	7	8	8	39	7	8	8	9	9	42
23	PAWAR PRATIK SANJAY	7	8	7	8	7	37	7	6	7	7	6	33	7	7	7	8	8	37	7	7	6	8	7	35	7	7	7	8	8	37	7	8	5	8	8	34
24	PAWAR SAKSHI KEDIA	9	9	8	8	9	43	8	9	9	8	9	43	9	8	8	7	8	40	7	9	8	9	9	42	9	8	8	9	8	42	9	8	8	9	9	44
25	PAWAR SANKET RAJU	7	7	7	7	7	35	7	7	8	9	9	40	7	6	7	8	7	35	7	8	8	6	7	36	7	8	7	7	7	37	8	7	8	8	8	39
26	PIALKE HIRITESH VINOD	7	7	7	8	8	37	8	7	8	6	8	37	7	7	8	8	9	39	9	8	8	7	8	40	7	8	7	8	8	37	8	9	7	8	9	41
27	PIALKE PRANALI YADHAV	9	8	9	8	10	44	8	9	8	10	10	45	8	8	7	8	6	37	8	9	8	7	8	40	8	7	8	7	8	37	7	7	8	7	8	39
28	PIALKE RUNDHESH RAMKRISHNA	8	8	8	7	9	40	10	9	10	10	10	49	9	9	8	10	10	46	7	7	7	8	8	37	8	7	8	7	7	37	8	7	8	7	8	37
29	PICHOLATI PRATHAMESH KHEMRAJ	8	7	8	8	7	38	7	7	6	8	8	36	8	7	8	9	8	40	7	8	7	8	8	38	8	7	6	7	7	35	8	8	8	7	8	39
30	PURANE DIPAK DHANANJAY	7	8	7	8	8	38	7	7	8	9	8	39	7	7	6	8	8	36	7	8	7	8	7	37	7	7	8	7	8	37	8	7	8	8	8	39
31	RALLEGANKAR ATHARVA AMOL	8	7	8	7	9	39	8	8	8	5	8	37	8	8	7	8	8	39	8	8	7	7	8	38	8	8	8	9	8	41	8	9	8	9	9	43
32	RATHOD RAVI SANGRAM	8	8	8	6	9	39	8	7	8	7	7	37	7	8	7	7	8	37	7	7	6	7	7	34	7	8	7	7	7	36	7	8	8	7	7	37
33	RAUT PRATHAMESH RAMESH	7	8	6	6	8	35	6	7	7	7	6	33	6	7	6	7	7	33	7	7	8	7	8	37	7	8	7	8	7	37	8	8	7	7	7	37
34	ROHIT GAURDEY	9	9	10	10	10	48	7	7	7	8	8	37	8	8	7	8	9	40	8	9	8	9	9	43	9	8	9	8	8	42	9	8	8	9	9	43
35	ROLADE KIRAN MANOHAR	10	9	8	8	10	45	7	7	8	9	9	40	7	7	8	9	9	40	8	9	8	8	8	41	8	8	9	8	9	42	8	8	8	9	8	41
36	SALDAGAR NIKHIL ANIL	7	8	7	8	7	37	8	8	8	5	8	37	8	8	8	5	8	37	7	7	8	9	9	40	8	8	8	5	8	37	9	9	8	10	10	46
37	SHAIKH SHAHEED MUNWAR	6	7	7	7	8	35	9	9	8	10	10	46	9	9	8	10	10	46	8	8	8	5	8	37	9	9	8	10	10	46	10	9	10	10	10	49

*(Signature)*

Principal  
 Pune District Education Association's  
 College of Engineering Manjari (Bk.),  
 Pune - 412307.







PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune

Department of Mechanical Engineering

Mock Insem Exam Report



Name of Faculty : Prof. R. Y. Pawar

Academic Year : 2022-23

Name of Course : Systems in Mechanical Engineering

Class : F.E- (Div - B)

Course Code: I02003

Semester: I

Roll no.	Name of Student	Q.1		Q.2		Q.3		Q.4		CO1 (15)	CO2 (15)
		1.A	1.B	2.A	2.B	3.A	3.B	4.A	4.B		
		CO 1				CO 2					
		8	7	7	8	8	7	7	8		
1	KHARAT ABHISHEK SHREENIWAS	0	0	3	0	4	0	0	0	3	4
2	KHEDKAR UTKARSHA ANIL	2	0	0	0	4	0	0	0	2	4
3	KOLHE SANKET SURESH	0	1	0	0	0	0	2	2	1	4
4	KUDNAR KISHOR DHONDIBA	7	7	0	0	2	7	0	0	14	9
5	KUTE OMKAR SUNIL	3	6	0	0	2	7	0	0	9	9
6	LINGE PRANALI SANTOSH	7	6	0	0	5	7	0	0	13	12
7	LOMATE SAMRUDDHI ANIL	6	7	0	0	4	6	0	0	13	10
8	MAHAJAN KARTIKEY RAMDAS	7	7	0	0	0	0	7	1	14	8
9	MAHAJAN PRATIKSHA RAKESH	8	5	0	0	0	0	2	2	13	4
10	MAHAKAL YASH VILAS	8	7	0	0	8	0	0	0	15	8
11	MAHALLE PRATIK RAJU	8	7	0	0	7	7	0	0	15	14
12	MANIK MATTOO	0	0	3	3	3	1	0	0	6	4
13	MAYUR ANKUSHRAO	2	3	0	0	0	0	0	3	5	3
14	MHETRE PRAJWAL VIKAS	0	0	4	5	1	0	0	0	9	1
15	MOHITE HARSHAL RAVINDRA	0	0	6	0	2	0	0	0	6	2
16	MULE VISHAL BALASAHEB	8	7	0	0	0	0	0	0	15	0
17	NAGESHWAR HIRITESH LAXMAN	0	0	7	0	2	0	0	0	7	2
18	NIKAM NIKHIL BHAUSAHEB	0	0	6	0	0	0	0	3	6	3
19	PADOLE KARTIK ASHOK	0	0	5	1	0	0	0	1	6	1
20	PATIL DEEPAK VIKAS	6	7	0	0	3	0	0	0	13	3
21	PAWAR AMRUTA BHAGWAN	6	7	0	0	0	0	7	0	13	7
22	PAWAR KARAN ABAJI	0	1	0	0	0	0	0	0	1	0
23	PAWAR PRATIK SANJAY	3	6	0	0	0	0	5	1	9	6
24	PAWAR SAKSHI KEDA	7	1	0	0	2	5	0	0	8	7
25	PAWAR SANKET RAJU	6	6	0	0	6	7	0	0	12	13
26	PHALKE HRUTISH VINOD	7	0	0	0	5	4	0	0	7	9
27	PHALKE PRANJALI VAJBHAV	8	7	0	0	6	7	0	0	15	13
28	PHALKE RUSHIKESH RAMKRISHNA	5	7	0	0	5	0	0	0	12	5
29	PICHKATE PRATHAMESH KHEMRAJ	6	7	0	0	6	7	0	0	13	13
30	PURANE DIPAK DHANANJAY	0	0	0	1	0	0	0	5	1	5
31	RALEGANKAR ATHARVA AMOL	3	7	0	0	0	0	1	4	10	5
32	RATHOD RAVI SANGRAM	0	0	4	2	1	6	0	0	6	7
33	RAUT PRATHMESH RAMESH	0	0	0	0	0	0	0	0	0	0
34	ROHIT GAJBHIYE	7	7	0	0	3	7	0	0	14	10
35	ROKADE KIRAN MANOHAR	7	6	0	0	3	3	0	0	13	6
36	SAUDAGAR NIKHIL ANIL	3	0	0	0	2	2	0	0	3	4
37	SHAIKH SHAIID MUNWAR	0	0	1	2	2	0	0	0	3	2
38	SHINDE DATTATRAY APPA	0	0	5	2	1	0	0	0	7	1
39	SHINDE PRANAV KAILAS	7	7	0	0	2	7	0	0	14	9
40	SHINDE SAMARTH TUKARAM	8	7	0	0	5	5	0	0	15	10
41	SHINGE NEHA BALIRAM	8	7	0	0	5	7	0	0	15	12
42	SINARE SIDDHARTH ASHOK	1	0	0	0	0	0	0	0	1	0
43	SINGH NAINA RAJKUMAR	0	0	7	5	6	7	0	0	12	13
44	SINGH SNEHA DADHIBAL	7	7	0	0	3	0	0	0	14	3
45	SIRSAT YOGESH MADHUKAR	7	7	0	0	0	0	0	0	14	0
46	SIRSATH DIPAK HARICHANDRA	1	0	0	0	2	0	0	0	1	2
47	SOBALE SUPRIYA BAPU	8	0	0	0	3	1	0	0	8	4

Principal  
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Pune - 412307.



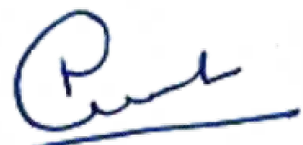
48	SOLAT PRATIKSHA JAGANNATHI	8	2	0	0	4	4	0	0	10	8
49	SONAWANE BHAGYASHIRI NANASAHEB	8	2	0	0	3	1	0	0	10	4
50	SUDRIK VISHAL RAJENDRA	0	0	3	3	0	0	0	2	6	2
51	POKHARKAR PREM DATTATRAY	1	7	0	0	2	0	0	0	10	2
52	SAVALE SHRAVANI RAJENDRA	6	1	0	0	1	0	0	0	7	3
53	SAWANT GOPAL SANDEEP	7	7	0	0	1	1	0	0	14	4
54	SAWANT HARSHAWARDHAN SAMDHAJI	1	7	0	0	0	0	0	1	8	1
55	SHEWALI VIRAJ SATISH	2	7	0	0	0	0	0	0	9	0
56	SUDRIK SANKET DIGAMBAR	6	0	0	0	0	1	0	0	6	1
57	YEWALI PRATHMESH SANJEEV	4	0	0	0	6	1	0	0	4	7
58	BHALSING SHRAWANI SANTOSH	4	6	0	0	3	0	0	0	10	3
59	DANGI KAKESH RAMESH	7	6	0	0	0	0	0	1	13	1
60	DESHMUKH SAI SHRINIVAS	8	7	0	0	0	0	7	7	15	14
61	DHONDAPURE VISHVAJEET VISHWANATHI	3	7	0	0	0	0	0	0	10	0
62	GAIKWAD NEHA DEEPAK	7	7	0	0	0	0	0	0	14	0
63	GHULE HARSHAL SANDEEP	0	0	3	3	0	0	0	0	6	0
64	GUJAR SUMIT SHANTARAM	0	0	5	5	2	0	0	0	10	2
65	KAWADE SIDDHI BALASAHEB	4	0	0	0	3	0	0	0	4	3
66	KHANDAVE ADIRAJ CHANDRAKANT	6	1	0	0	3	0	0	0	7	3
67	KULKARNI ARJUN AJIT	5	0	0	0	0	0	1	0	5	1
68	MAHAJAN NANDAN VIKAS	6	0	0	0	0	0	1	0	6	1
69	MARGAJ SANKET AMBADAS	6	7	0	0	2	0	0	0	13	2
70	MENGADE SANGRAMRAJE SURYAKANT	3	6	0	0	1	0	0	0	9	1



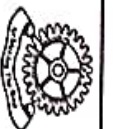
Prof. R. Y. Pawar  
Subject Teacher



Dr. S. A. Patil  
Head of Department



Principal  
Pune District Education Association's  
College of Engineering Manjari (Bk.),  
Pune - 412307.



Name of Faculty : Prof. R. V. Pawar  
Name of Course : System in Mechanical Engineering  
Course Code: 102203

Academic Year : 2022-23  
Class : F.E (D.V-B)  
Semester : I

S.No	Name of Student	Q1			Q2			Q3			Q4			Q5			Q6			Q7			CO3 (18)	CO4 (17)	CO5 (18)	CO6 (17)			
		1a	1b	1c	2a	2b	2c	3a	3b	3c	4a	4b	4c	5a	5b	5c	6a	6b	6c	7a	7b	7c					8a	8b	8c
		CO3			CO4			CO5			CO6			CO6			CO6			CO6									
1	SHARAT AKBHAR SHREENWAS	7	7	4	7	7	4	7	7	3	7	7	7	7	4	7	7	7	7	7	7	3	7	3					
2	ANURAG LITKARSHI ANIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
3	KADRE SANJAY SURESH	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
4	KUDRAB KESOR DHONDIBA	1	5	0	0	0	0	2	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0					
5	KUTE ONKAR SUNIL	4	4	1	0	0	0	0	0	0	4	0	3	6	1	0	0	0	0	0	0	0	0	0					
6	LONGE PRANAV SANTOSH	0	0	0	6	0	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0					
7	LONGTE SANGHODE ANIL	0	0	0	2	0	4	2	3	3	0	0	0	6	1	0	0	0	0	0	0	0	0	0					
8	MAHAJAN KARTIKUT RAMDAS	1	6	4	0	0	0	0	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
9	MAHAJAN PRATIKSHA RAJESH	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
10	MAHAJAN YASH VIKAS	0	0	0	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
11	MAHAJAN PRATIK RAVI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
12	MAHAJAN VIKAS	7	6	0	0	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
13	MAHAJAN ANUSUBHAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
14	MAHAJAN PRANAV VIKAS	0	5	3	0	0	0	2	3	2	0	0	0	4	2	2	0	0	0	0	0	0	0	0					
15	MAHAJAN HARSHAL RAVINDRA	1	2	1	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
16	MAHAJAN VISHAL BALASOBER	7	6	4	0	0	0	0	4	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
17	MAHAJAN HARSHAL DADWAN	5	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
18	MAHAJAN NIKHIL BHAKTASOBER	4	5	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0					
19	MAHAJAN KARTIK ASHOK	0	0	0	7	0	0	0	0	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
20	MAHAJAN DEEPA VIKAS	4	3	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
21	MAHAJAN ABHILASH BHAGWAN	0	0	0	7	5	3	0	0	0	0	0	3	4	3	3	0	0	0	0	0	0	0	0					
22	MAHAJAN KARAN ABHI	0	0	0	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
23	MAHAJAN PRATIK SANJAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
24	MAHAJAN SAHSHI KEDA	0	0	0	7	0	4	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
25	MAHAJAN SANJAY RAVI	5	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
26	MAHAJAN NIKHIL VINOD	2	5	2	0	0	0	0	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
27	MAHAJAN PRANAV VAIBHAV	7	5	3	0	0	0	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
28	MAHAJAN SURESH RAMKRISHNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
29	MAHAJAN PRATIKASHI KESORRAJ	0	0	0	7	5	4	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
30	MAHAJAN DIPAL DHANANJAY	5	6	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
31	MAHAJAN ANURAG ATHARVA AMOL	4	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0					
32	MAHAJAN RAVI SANJAY	5	3	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
33	MAHAJAN PRATIKASHI RAJESH	5	5	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
34	MAHAJAN GAURAV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
35	MAHAJAN KARAN MANOHAR	4	5	3	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
36	MAHAJAN NIKHIL ANIL	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
37	MAHAJAN VAIBHAV ANURAG	7	5	0	0	0	0	0	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0					
38	MAHAJAN DATTATRAY APPA	5	4	2	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0					
39	MAHAJAN PRANAV KAILAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
40	MAHAJAN SAMARTH TEJARAM	0	0	0	7	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
41	MAHAJAN SHIRDI BHALIRAM	7	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
42	MAHAJAN SIDDHARTH ASHOK	6	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
43	MAHAJAN NIKHIL RAJKUMAR	7	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
44	MAHAJAN SNEHA DAVIDHARAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					

*Pr*









Name of Faculty : Prof. R. V. Pawar  
Name of Course : System in Mechanical Engineering  
Course Code: 102003

Academic Year : 2022-23  
Class : F.E (DlV-B)  
Semester: I

S.No.	Name of Student	Group A		Group B				Group C				CO1 marks (10)	CO2 marks (10)	CO3 marks (10)	CO4 marks (10)	CO5 marks (10)	CO6 marks (10)
		Inds. Visit CO1&CO4	Task 1 CO1	Task 2 CO3	Task 3 CO3	Task 4 CO2	Task 6 CO6	Ex1 CO4	Ex2 CO4	Ex3 CO5	Ex4 CO5						
1	SHARAT ARBINDER SUREENDRAS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2	ABHINAV LITAKARSHI ANIL	0	0	8	8	0	0	8	8	8	8	8	8	8	8	8	8
3	KOLHE SANJAY S. KESHU	7	8	7	8	7	8	8	8	7	8	8	8	8	8	8	8
4	KUNDLIKAR ASHOK DADANDAS	0	8	0	8	0	0	9	9	0	9	8	8	8	8	8	8
5	KUTHE OMAR S. NEEL	7	8	7	7	6	7	7	7	7	7	7	7	7	7	7	7
6	LANGE PRANAV SAVITRISHI	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8
7	LONKATE SAURADHONG ANIL	0	0	8	8	0	9	9	9	8	8	8	8	8	8	8	8
8	MARJAN KARTIKET KADIAS	7	8	7	8	7	7	7	7	7	7	7	7	7	7	7	7
9	MARJAN PRATIKSHAN KANESH	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10	MARJAN V. ASHUTOS	7	6	7	7	7	8	8	8	7	8	8	8	8	8	8	8
11	MARJANLE PRATIK KANT	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8
12	MARJANLE PRATIK KANT	7	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7
13	MARJAN ANAND SHIRKAD	6	7	6	5	6	6	6	6	6	6	6	6	6	6	6	6
14	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
15	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
16	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
17	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
18	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
19	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
20	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
21	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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24	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
25	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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30	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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41	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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43	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
44	MARJANLE PRATIK KANT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7









PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune

Department of Mechanical Engineering

Mock Oral Exam Report



Name of Faculty : Prof. R. Y. Pawar Academic Year: 2022-23

Name of Course : SME Class : FE (DIV B)

Course Code: 102003 Semester: I

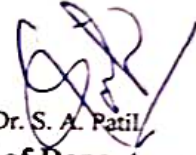
Roll No	Name of Student	CO1	CO2	CO3	CO4	CO5	CO6
1	KHARAT AMISHIK SHIRENIWAS	3	3	4	4	3	4
2	KHEDKAR UTKARSHA ANIL	4	5	5	4	5	4
3	KOLHE SANKET SURESH	4	4	4	4	4	4
4	KUDNAR KISHOR DHONDIBA	4	4	4	4	4	4
5	KUTE OMKAR SUNIL	4	4	4	4	4	4
6	LINGE PRANALI SANTOSH	4	4	4	4	4	4
7	LOMATE SAMRUDDHI ANIL	5	4	5	4	4	4
8	MAHAJAN KARTIKEY RAMDAS	4	4	4	4	4	4
9	MAHAJAN PRATIKSHA RAKESH	4	4	4	4	4	4
10	MAHAKAL YASH VILAS	4	5	4	5	5	4
11	MAHALLE PRATIK RAJU	4	5	4	4	5	4
12	MANIK MATTOO	4	3	4	3	3	4
13	MAYUR ANKUSHRAO	4	4	4	4	4	4
14	MHETRE PRAJWAL VIKAS	4	4	4	4	4	4
15	MOHITE HARSHAL RAVINDRA	4	4	4	4	4	4
16	MULE VISHAL BALASAHEB	4	5	4	5	5	4
17	NAGESHWAR HRITESH LAXMAN	4	4	4	4	4	4
18	NIKAM NIKHIL BHAUSAHEB	4	4	4	4	4	4
19	PADOLE KARTIK ASHOK	4	4	4	4	4	4
20	PATIL DEEPAK VIKAS	4	4	4	4	4	4
21	PAWAR AMRUTA BHAGWAN	4	4	4	4	4	4
22	PAWAR KARAN ABAJI	5	4	4	4	4	4
23	PAWAR PRATIK SANJAY	4	4	4	4	4	4
24	PAWAR SAKSHI KEDA	4	5	4	5	4	4
25	PAWAR SANKET RAJU	4	5	5	5	5	5
26	PHALKE HRUTISH VINOD	4	4	4	4	4	4
27	PHALKE PRANALI VAIBHAV	5	5	4	4	4	4
28	PHALKE RUSHIKESH RAMKRISHNA	4	4	4	4	4	4
29	PICHKATE PRATHAMESH KHEMRAJ	4	5	5	4	4	4
30	PURANE DIPAK DHANANJAY	4	4	4	4	4	4
31	RALEGANKAR ATHARVA AMOL	4	4	4	4	4	4
32	RATHOD RAVI SANGRAM	3	4	4	3	4	4
33	RAUT PRATHMESH RAMESH	4	4	4	4	4	4
34	ROHIT GAJBHIYE	4	4	4	4	4	4
35	ROKADE KIRAN MANOHAR	4	4	4	4	4	4
36	SAUDAGAR NIKHIL ANIL	4	4	4	4	4	4
37	SHAIKH SHAHID MUNWAR	4	4	4	4	4	4
38	SHINDE DATTATRAY APPA	4	4	4	4	4	4
39	SHINDE PRANAV KAILAS	5	4	4	4	4	4
40	SHINDE SAMARTH TUKARAM	5	4	5	4	4	4
41	SHINGE NEHA BALIRAM	5	5	4	4	5	4
42	SINARE SIDDHARTH ASHOK	4	4	4	4	4	4
43	SINGH NAINA RAJKUMAR	5	4	5	5	5	4
44	SINGH SNEHA DADIIBAL	5	5	4	4	5	4
45	SIRSAT YOGESH MADHUKAR	4	4	4	4	4	4
46	SIRSATH DIPAK HARICHANDRA	4	4	4	4	4	4
47	SOBALE SUPRIYA BAPU	4	4	4	4	4	4
48	SOLAT PRATIKSHA JAGANNATHI	4	4	4	4	4	4
49	SONAWANE BHAGYASHIRI NANASAHEB	4	4	4	4	4	4
50	SUDRIK VISHAL RAJENDRA	5	5	5	5	5	5
51	POKHARKAR PREM DATTATRAY	4	4	4	4	4	4

*Pawar*

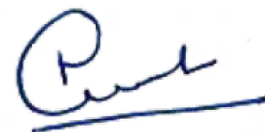
52	SAVALE SHRAVANI RAJENDRA	4	4	4	4	4	4
53	SAWANT GOPAL SANDEEP	5	4	5	5	5	4
54	SAWANT HARSHAWARDHAN SAMBHAJI	4	4	4	4	4	4
55	SHIWALE VIRAJ SATISH	5	4	4	4	4	5
56	SUDRIK SANKET DITAMBAR	4	4	4	4	4	4
57	YEWALE PRAHMESH SANJEEV	4	5	4	3	4	4
58	BHALSING SHRAWANI SANTOSH	4	4	4	4	4	4
59	DANGIRAKESH RAMESH	4	5	4	4	5	5
60	DESHMUKH SAI SHRINIVAS	5	4	4	5	4	4
61	DHONDAPURE VISHVAJEET VISHWANATH	5	5	5	5	5	5
62	GAIKWAD NEHA DEEPAK	4	4	4	4	4	4
63	GHULE HARSHAL SANDEEP	4	4	4	4	4	4
64	GUJAR SUMIT SHANTARAM	4	4	5	4	5	4
65	KAWADE SIDDHI BALASAHEB	4	4	4	4	4	4
66	KHANDAVE ADIRAJ CHANDRAKANT	4	4	4	4	4	4
67	KULKARNI ARJUN AJIT	4	4	5	4	5	4
68	MAHAJAN NANDAN VIKAS	4	4	4	4	4	4
69	MARGAJ SANKET AMBADAS	4	4	4	4	4	4
70	MENGADE SANGRAMRAJE SURYAKANT	4	4	5	4	5	4



Prof. R. Y. Pawar  
Subject Teacher



Dr. S. A. Patil  
Head of Department











**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune**  
 Affiliated to Savitribai Phule Pune University and Approved by AICTE, New Delhi No. 740-89-316 E/ET/98, NAAC Accredited



**DEPARTMENT OF MECHANICAL ENGINEERING**

**COMPUTATION OF COURSE ATTAINMENT**

Course Name: Systems in Mechanical Engineering

Course code: 102003

**COURSE ATTAINMENT**

**Final Direct Course Attainment Calculation**

COs	Assign 1	Assign 2	Assign 3	Assign 4	Assign 5	Assign 6	Mock INSEM	Mock End	INT TW	Mock Oral	INT Asses (IA)	EXT Asses (UND)	Direct CO Attainment= ((0.3*IA)+(0.7*EA))	Final Indirect Course attainment calculation		
															Attainment	
CO 1	3.00	-	-	-	-	-	1.46	-	2.83	2.91	2.55	2.40	2.45	2.46		
CO 2	-	2.91	-	-	-	-	0.47	-	2.74	2.91	2.26	2.40	2.36	2.57		
CO 3	-	-	2.87	-	-	-	-	1.20	2.79	3.00	2.46	2.40	2.42	2.42		
CO 4	-	-	-	2.91	-	-	-	0.21	2.83	2.87	2.21	2.40	2.34	2.79		
CO 5	-	-	-	-	2.91	-	-	0.13	3.00	2.91	2.24	2.40	2.35	2.56		
CO 6	-	-	-	-	-	2.96	-	0.09	2.74	3.00	2.20	2.40	2.34	2.82		
<b>Attainment</b>													2.32	2.40	2.38	2.60
<b>Final Direct Total Attainment(30% IA + 70% EA)</b>													0.70	1.68	2.38	2.60
<b>Weightage</b>													90%	10%		
<b>Total attainment</b>													2.14	0.26		
<b>Overall Course Attainment</b>													2.40			

*[Signature]*

Prof. R. Y. Pawar  
Subject Teacher

*[Signature]*

Dr. B. A. Patil  
Head of Department

*[Signature]*

Dr. R. V. Patil  
Principal





**PDEA's College of Engineering, Manjari(Bk.), Hadapsar, Pune**  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

**COURSE ARTICULATION MATRIX: CO/PO/PEO MAPPING**

**Course Name: Systems in Mechanical Engineering**

**Programme Outcomes (Pos)**

**Course code: 102003**

GRADUATE ATTRIBUTES	APPLY KNOWLEDGE	ANALYSIS	DESIGN	INVESTIGATION	MODERN TOOLS	SOCETY	ENVIRONMENT	ETHICS	TEAM WORK	COMMUNICATIO N	PROJECT MANGMT & FINANCE	LIFE LONG LEARNING	PSO			
													PSO 1	PSO 2	PSO 3	
COs	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
1	3	-	-	-	-	2	3	-	-	-	-	-	-	-	2	
2	2	-	-	-	-	1	-	-	-	-	-	-	-	-	2	
3	2	-	-	-	-	2	1	1	-	-	-	-	1	1	2	
4	-	1	1	-	-	1	2	-	1	-	-	-	2	2	1	
5	-	1	-	-	1	2	2	-	1	-	-	-	2	1	-	
6	-	1	-	-	1	-	1	-	-	1	1	2	2	-	-	
Weighted Ave.	2.33	1.00	1.00	1.00	1.00	1.60	1.80	1.00	1.00	1.00	1.00	2.00	1.75	1.33	1.75	
Course PO/PSO attainment	1.87	0.80	0.80	#DIV/0!	0.80	1.28	1.44	0.80	0.80	0.80	0.80	1.60	1.40	1.07	1.40	
Attainment in %	62.22	26.67	26.67	#DIV/0!	26.67	42.67	48.00	26.67	26.67	26.67	26.67	53.33	46.67	35.56	46.67	
Mapping correlation	Low	Medium	High	No	1	2	3	-	-	-	-	-	-	-	-	-

Prof. R. Y. Pawar  
 Subject Teacher

Dr. S. A. Patil  
 Head of Department

Dr. R. V. Patil  
 Principal



PDEA's College of Engineering, Manjari bk, Pune  
**Department of Mechanical Engineering**  
**Academic Year: 2022-23**

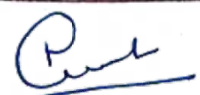
**Course Name: Systems in Mechanical Engineering**

**Course code: 102003**

**Faculty Name: Prof. R. Y. Pawar**

**1. Justification for CO-PO mapping:**

Mapping	Low/Medium/ High	Justification
CO 1 PO 1	H	Basic knowledge about various sources of energy and basic terminology of conversion of energy will be gained by students.
CO 1 PO 6	M	Understand the societal need and develop the system which makes positive effects for the society.
CO 1 PO 7	L	Students able to understand the environmental effects.
CO 2 PO 1	L	Students will be able to understand the fundamental concepts of thermodynamics
CO 2 PO 6	L	Students will be able to use the acquired knowledge of application of first law and second law of thermodynamics for society as all thermal devices are based on thermodynamics
CO 3 PO 1	M	Students able to understand the various classifications of automobiles.
CO 3 PO 6	M	The design assures safety for society.
CO 3 PO 7	L	Students able to understand the cost analysis for design a vehicle.
CO 3 PO 8	L	Ability to interpret to create effect of gyroscopic couple foundation for higher studies.
CO 4 PO 2	L	Student can analysis any problem of fuel supply systems, ignition and governing systems of IC Engines.
CO 4 PO 3	L	Students will be able to design clutches, brakes and gears with the help of design data book.
CO 4 PO 6	M	Student can Conduct investigations of complex problems by studing fuel supply systems, ignition and governing systems of IC Engines.
CO 4 PO 7	M	Student can use modern tool in fuel supply systems, ignition and governing systems of IC Engines.
CO 4 PO 9	L	Student can work Individual and team on fuel supply systems, ignition and governing systems of IC Engines.
CO 5 PO 2	L	As they could use their acquired knowledge to solve engineering problems.
CO 5 PO 5	L	Students will be able to use the acquired knowledge of different machining parameters to solve complex problems.
CO 5 PO 6	M	Understand the societal need and develop the system which makes positive effects for the society.
CO 5 PO 7	M	Students will be able to use the acquired knowledge of application for society.
CO 5 PO 9	L	To develop individual skill and understand the benefits of team work for different condition.
CO 6 PO 2	L	Students will be able to understand the fundamental concepts of engineering mechanism and equipment.
CO 6 PO 5	L	Problem solving analysis on efficiency of equipment like pump, turbine, etc.
CO 6 PO 7	L	Students will be able to use the acquired knowledge of application for society as all various devices are based on mechanical engineering concept.
CO 6 PO 9	M	Will be able to assess the impact on society and environment.
CO 6 PO 10	L	Ability to interpret about the application in mechanical engineering.
CO 6 PO 11	L	Demonstrate knowledge of new ideas/ modern concepts of prototype models in multidisciplinary environments.
CO 6 PO 12	L	Become aware of the requirement for advanced knowledge by prolonged learning.





2. Analysis on previous attainments (A.Y – 2021-22) and setting targets on CO attainments for current semester (A.Y. – 2022-23) subject.

Note: If new subject was introduced this time and previous analysis was not there then set only the target value for current SEM randomly.

Couse Outcome	Attainment Level for last year	Target for current exam	Attainment Level of current year	Gap	Gap Analysis
CO 1	2.92	65%	2.46	0.46	Almost attained to the set values
CO 2	2.78		2.47	0.31	
CO 3	2.68		2.43	0.25	
CO 4	2.74		2.59	0.15	
CO 5	2.69		2.50	0.19	
CO 6	2.90		2.62	0.28	

Remark:

1. In the last academic year (2021-22) target was achieved due to online academic policy.
2. So Set the same target to the current academic year (2022-23). Beacuse of change in academic policy and due to offline examination, small deviation occurs in the attainment
3. Considering the above gap in the attainment level, the target will be set to the lower level for next academic year (2023-24).



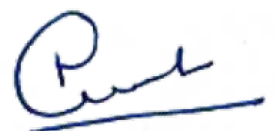
Prof. R. Y. Pawar  
Subject Teacher



Dr. S. A. Patil  
Head of Department



Dr. R. V. Patil  
Principal



# Feedback form of SME Course 22-23

Indirect CO attainment - survey info about SME subject

Full name of student \*

Samarth Shinde

Roll No. \*



Div \*

B

C

CO wise questions

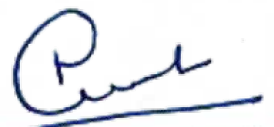
1. At the end of the course are you able to describe and compare the conversion of energy from renewable and non-renewable energy sources

Excellent

Very Good

Good

Poor





2. At the end of the course are you able to explain basic laws of thermodynamics, heat transfer and their applications.

- Excellent
- Very Good
- Good
- Poor
- 

3. At the end of the course are you able to list down the types of road vehicles and their specifications

- Excellent
- Very Good
- Good
- Poor
- 

4. At the end of the course are you able to illustrate various basic parts and transmission system of a road vehicle.

- Excellent
- Very Good
- Good
- Poor
- 



5. At the end of the course are you able to discuss several manufacturing processes and identify the suitable process

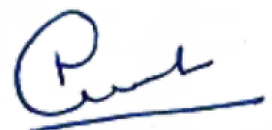
- Excellent
- Very Good
- Good
- Poor

6. At the end of the course are you able to explain various types of mechanism and its application

- Excellent
- Very Good
- Good
- Poor

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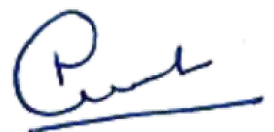
Principal  
Pune District Education Association's  
College of Engineering Manjari (BK),  
Pune - 412307.



# **GUEST LECTURE REPORT**

On

***“Applications in Mechanical Engineering”***



Principal  
Pune District Education Association's  
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