



**2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution.**

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**SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA**  
**Department of Mechanical Engineering**

<b>Cos - Pos - PSOs Matrix for Mechanical System Design</b>															
<b>Course outcomes</b>	<b>Program Outcomes (POs)</b>												<b>Program Specific</b>		
	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
<b>C01</b>	3	0	0	0	0	0	0	0	0	0	0	0	3	0	2
<b>C02</b>	0	0	0	2	0	0	0	0	0	0	0	0	2	0	2
<b>C03</b>	0	3	0	0	0	0	0	0	0	0	0	0	3	0	2
<b>C04</b>	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2
<b>C05</b>	0	0	3	0	0	0	0	0	0	0	0	0	3	0	2
<b>C06</b>	0	2	0	0	0	0	0	0	0	0	0	0	2	0	2
<b>Average</b>	3	2.5	2.5	2	0	0	0	0	0	0	0	0	2.5	0	2.00

  
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**Mechanical Engineering**  
 Sanjeevan Engg. & Tech Institute, Panhala

**SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA**  
**Department of Mechanical Engineering**

**Attainment matrix for COs of individual student for the  
course Mechanical System Design (For Unit Test No -1)**

ROLL NO	NAME OF STUDENT	CO 1		CO 2		CO3		Total Marks	% of Marks
		Q1		Q2		Q3			
		A	B	A	B	A	B		
1	ADSUL GANESH BALASAHEB	4	10	8	10	6	10	38	76%
2	AREMANI SACHIN MADAGONDA	5	8	6	8	5	7	35	70%
3	BENDRE NAVESH SURESH	6	6	8	7	6	7	40	80%
4	BHOSALE PRATHAMESH G.	4	6	5	5	5	7	32	64%
5	BODAKE SUMIT DAGADU	5	6	8	7	5	6	37	74%
6	CHOUGALE PRADEEP DHANAJI	6	7	6	8	4	8	39	78%
7	CHOUGALE RANJIT DAMODAR	5	9	5	5	4	5	33	66%
8	CHOUGULE AJAY BABURAO	5	6	6	9	5	7	38	76%
9	CHOUGULE SHIVAJI ASHOK	5	8	5	7	5	8	38	76%
10	DAKAVE AKASH KRISHNATH	4	6	5	8	6	5	34	68%
11	DAMUGADE MAKARAND VILAS	6	8	6	6	4	7	37	74%
12	DESAI MOHAMMADSALIL SADIK	4	8	5	5	6	6	34	68%
13	GAIKWAD DIGVIJAY AJIT	4	7	7	7	5	4	34	68%
14	GARE PANKAJ BABASO	6	5	7	9	4	6	37	74%
15	GOTHAL VINAYAK	5	9	4	9	6	6	39	78%
16	HAVAL AJINKYA ANIL	6	7	6	9	5	4	37	74%
17	JADHAV AKSHAY JAGANNATH	4	9	4	9	5	8	39	78%
18	JADHAV PRANAV VIJAY	6	8	8	5	5	7	39	78%
19	JADHAV RAJYARDHAN SUJAY	6	6	6	6	5	3	32	64%
20	JADHAV SHUBHAM SUHAS	5	8	5	6	6	3	33	66%
21	JADHAV SOMANATH SUBHASH	4	7	6	7	5	3	32	64%
22	JADHAV SUBHASH PANDURANG	6	8	4	5	5	5	33	66%
23	KAMBLE ROHAN ASHOK	6	8	8	8	4	9	43	86%
24	KHADE AKASH PRALHAD	5	5	8	10	6	10	44	88%
25	KHADE OMKAR SANTOSH	5	8	8	8	6	7	42	84%
26	KHADE SHUBHAM BHARAT	4	9	8	6	6	9	42	84%
27	KHEBUDE KARAN NANASO	6	9	8	10	6	10	49	98%
28	KULKARNI AKSHAY RAJENDRA	6	6	7	5	4	4	32	64%
29	KUMBHAR PRATIK RAJESH	6	5	5	8	4	6	34	68%
30	KUMBHAR UMESH PANDIT	5	8	7	7	4	5	36	72%
31	KURADE AMOL SHIVAJI	6	7	4	6	4	9	36	72%
32	LOKARE JANARDAN VASANT	6	6	7	6	4	3	32	64%
33	METIL VAIBHAV BALASO	6	5	4	6	6	9	36	72%
34	MOHITE NIKHIL DINKAR	4	6	7	8	6	9	40	80%
35	MORE ASHISH SHAMRAO	5	5	5	9	4	7	35	70%
36	PATIL AKASH ALIAS CHOUGONDA R.	5	7	8	7	5	8	40	80%
37	PATIL ANIKET DATTAJI	6	6	5	6	6	4	33	66%
38	PATIL DNYANESHWAR RAJARAM	6	7	4	5	6	7	35	70%
39	PATIL HARSHAVARDHAN SANJAY	6	9	5	5	4	6	35	70%
40	PATIL MURALIDHAR ANANDA	5	7	8	8	5	3	36	72%
41	PATIL OMKAR UTTAM	5	7	5	7	5	9	38	76%
42	PATIL ROHIT ANANDA	4	8	4	5	4	8	33	66%
43	PATIL ROHIT KALGONDA	5	5	5	7	6	9	37	74%
44	PATIL ROHIT VISHNU	6	10	8	10	5	10	49	98%
45	PATIL SAURABH SANJAY	5	7	6	9	6	9	42	84%
46	PATIL SHUBHAM ASHOK	2	5	4	6	5	3	25	50%
47	PATIL SHUBHAM SAMBHAJI	5	8	6	6	6	5	36	72%
48	PATIL SUMITKUMAR MANIK	6	8	4	6	5	8	37	74%
49	PAYMAL NIVAS SHRIPATI	4	5	5	6	5	6	31	62%
50	POTDAR CHAITANYA SUHAS	6	6	4	7	5	8	36	72%
51	POWAR SOURABH SANJAY	5	7	6	8	6	4	36	72%
52	POWAR VISHAL SUKUMAR	5	7	8	6	5	4	35	70%
53	SATPUTE PRAMOD DAGADU	6	9	6	7	4	9	41	82%
54	SAVAT ALAKA PRAKASH	5	7	4	7	4	8	35	70%
55	SAWANT DHANRAJ DILIP	5	7	4	7	6	9	38	76%
56	SHELAR RUTURAJ SADASHIV	6	6	8	7	4	5	36	72%
57	SHINDE AKSHAY RAJARAM	2	7	7	6	5	9	36	72%
58	ZANJE UTTAM RANGNATH	5	9	5	5	4	9	37	74%
59	GAWADE KIRAN PRAKASH	6	9	7	8	4	6	40	80%
60	GAWADE RAJESH SURESH	6	8	7	9	6	6	42	84%

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61	HASABE SACHIN APPA	6	9	7	7	4	3	36	72%
62	JAGTAP SWAPNIL SHIVAJI	5	9	7	9	5	7	42	84%
63	JAMADAR AYUB ABDULHAMID	4	5	8	6	5	8	36	72%
64	KARALE ROHAN RASHIKANT	6	7	7	8	6	8	42	84%
65	KARANURE SUSHANT SUNIL	6	5	6	5	5	8	35	70%
66	KHOPADE PRASAD YUVRAJ	4	7	5	6	6	7	35	70%
67	KHOT AJIT BALU	6	7	6	9	5	4	37	74%
68	KHUTALE AKSHAY RAJARAM	4	6	4	9	5	7	35	70%
69	KORE DHIRAJ CHANDRAKANT	3	8	7	5	6	6	35	70%
70	LOBO ALLWYN MARSHAL	5	7	5	8	5	7	37	74%
71	MALI RAHUL SHIVAJI	4	6	5	7	5	4	31	62%
72	MORE NAGRAJ SHANKAR	4	8	5	6	4	9	36	72%
73	PATIL ABHISHEK AKARAM	5	5	4	5	4	8	31	62%
74	PATIL AKSHAY BALASAHEB	4	5	6	9	6	9	39	78%
75	PATIL AKSHAY VILAS	5	8	8	8	4	3	36	72%
76	PATIL PRADNYA RAGHUNATH	6	8	7	9	6	7	43	86%
77	PATIL SANGRAM MADHUKAR	6	7	6	6	5	7	37	74%
78	PATIL SHUBHAM SHRIKANT	4	7	7	5	4	4	31	62%
79	PATIL SUDHIR SHAMRAO	6	8	6	9	5	4	38	76%
80	SANKPAL AKSHAY SHIVAJI	6	6	8	5	5	4	34	68%
81	SARNAIK RANJIT SURESH	6	9	7	7	6	7	42	84%
82	SASANE ROHIT PRAKASH	4	6	5	9		8	32	64%
83	SHELAKHE DHULAPPA TANAJI	5	9	5	8	6	8	41	82%
84	SHINDE ABHIJIT GAJANAN	5	5	4	9	5	7	35	70%
85	SONAWANE SUJAY DILIP	5	9	5	9	4	8	40	80%
86	SURYAVANSHI OMKAR AMARSINH		6	5	7	6	4	28	56%
87	SUTAR AKSHAY HARI	5	5	5	5	6	6	32	64%
88	VARGE HARISH NANASO	4	6	6	5		4	25	50%
89	KONDEVILKAR SHASHANK S.	4	7	4	8	5	5	33	66%
90	CHIMANE VIJAY D	4	6	6	6	5	5	32	64%
91	DESAI MUSTAKAHMAD B.	3	10	6		6	7	32	64%
92	KUMBHAR YOGESH VIKAS	5	6	4	9	5	8	37	74%
93	PATIL RANJIT S	6	7	6	6	5	8	38	76%
94	SASANE SUSHANT MADHUKAR	6	7	5	7	5	8	38	76%
95	CHAVAN PRADEEP ACHUTRAO	3	5	4	9	6	9	36	72%
96	MANGAVE SHUBHAM R	4	5	5	7	6	3	30	60%
97	Dabholkar Akshay	5	9	5	6	5	8	38	76%
98	Kambale Tushar	5	9	4	9	5	3	35	70%
99	Patil Shankar Shivaji	5	9	8	9	4	4	39	78%
Total Marks		491.00	698.00	582.00	695.00	491.00	642.00		
Average Marks		5.01	7.05	5.88	7.09	5.06	6.48		
CO Attenment		12.06		12.97		11.55			
		CO1		CO2		CO3			

As more than 80% of student scored 50 % marks therefore the attainment level is 3

*[Signature]*

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**SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA**  
**Department of Mechanical Engineering**

**Attainment matrix for Cos of Individual student for the  
course Mechanical System Design (For Unit Test No -2)**


ROLL NO	NAME OF STUDENT	C04		C05		C06		Total Marks	% of Marks
		Q1		Q2		Q3			
		A	B	A	B	A	B		
1	ADSUL GANESH BALASAHEB	6	10	8	10	6	10	38	76%
2	AREMANI SACHIN MADAGONDA	3	6	4	9	5	5	32	64%
3	BENDRE NAVESH SURESH	6	8	8	5	5	6	38	76%
4	BHOSALE PRATHAMESH G.	6	7	6	6	5	3	33	66%
5	BODAKE SUMIT DAGADU	5	8	5	9	6	7	40	80%
6	CHOUGALE PRADEEP DHANAJI	5	8	6	7	7	7	40	80%
7	CHOUGALE RANJIT DAMODAR	6	8	4	7	5	5	35	70%
8	CHOUGULE AJAY BABURAO	6	5	5	8	4	5	33	66%
9	CHOUGULE SHIVAJI ASHOK	5	8	4	8	6	9	40	80%
10	DAKAVE AKASH KRISHNATH	5	5	8	8	6	4	36	72%
11	DAMUGADE MAKARAND VILAS	4	9	8	9	4	5	39	78%
12	DESAI MOHAMMADSALIL SADIK	4	6	4	5	5	4	28	56%
13	GAIKWAD DIGVIJAY AJIT	6	6	7	5	4	4	32	64%
14	GARE PANKAJ BABASO	5	5	5	6	4	4	29	58%
15	GOTHAL VINAYAK	5	5	4	5	3	5	27	54%
16	HAVAL AJINKYA ANIL	4	5	6	5	5	7	32	64%
17	JADHAV AKSHAY JAGANNATH	5	5	8	5	5	7	35	70%
18	JADHAV PRANAV VIJAY	6	9	8	8	6	7	44	88%
19	JADHAV RAJWARDHAN SUJAY	5	8	6	8	5	9	41	82%
20	JADHAV SHUBHAM SUHAS	5	6	6	7	5	6	35	70%
21	JADHAV SOMANATH SUBHASH	6	9	6	8	5	8	42	84%
22	JADHAV SUBHASH PANDURANG	5	9	5	5	4	5	33	66%
23	KAMBLE ROHAN ASHOK	3	5	7	6	3	5	29	58%
24	KHADE AKASH PRALHAD	6	9	7	9	6	9	46	92%
25	KHADE OMKAR SANTOSH	5	8	8	8	6	5	40	80%
26	KHADE SHUBHAM BHARAT	6	9	7	9	6	9	46	92%
27	KHEBUDE KARAN NANASO	6	10	8	9	6	9	48	96%
28	KULKARNI AKSHAY RAJENDRA	5	8	7	7	4	4	35	70%
29	KUMBHAR PRATIK RAJESH	6	5	5	8	6	6	36	72%
30	KUMBHAR UMESH PANDIT	5	8	7	7	6	5	38	76%
31	KURADE AMOL SHIVAJI	6	9	7	9	5	8	44	88%
32	LOKARE JANARDAN VASANT	4	5	4	5	5	4	27	54%
33	METIL VAIBHAV BALASO	3	6	4	4	6	5	28	56%
34	MOHITE NIKHIL DINKAR	4	5	5	5	5	5	29	58%
35	MORE ASHISH SHAMRAO	5	9	8	7	5	6	40	80%
36	PATIL AKASH ALIAS CHOUGONDA R.	6	7	6	8	4	8	39	78%
37	PATIL ANIKET DATTAJI	5	9	5	5	4	5	33	66%
38	PATIL DNYANESHWAR RAJARAM	5	6	6	9	5	7	38	76%
39	PATIL HARSHAVARDHAN SANJAY	5	8	5	7	5	8	38	76%
40	PATIL MURALIDHAR ANANDA	4	6	5	8	6	5	34	68%
41	PATIL OMKAR UTTAM	6	8	6	6	4	7	37	74%
42	PATIL ROHIT ANANDA	5	5	4	9	5	7	35	70%
43	PATIL ROHIT KALGONDA	5	9	8	9	4	8	43	86%
44	PATIL ROHIT VISHNU	9	10	6	10	6	8	49	98%
45	PATIL SAURABH SANJAY	6	9	8	9	6	9	47	94%
46	PATIL SHUBHAM ASHOK	4	6	6	5	5	4	30	60%
47	PATIL SHUBHAM SAMBHAJI	4	7	4	8	5	5	33	66%
48	PATIL SUMITKUMAR MANIK	4	6	6	6	5	5	32	64%
49	PAYMAL NIVAS SHRIPATI	5	6	6	6	6	7	36	72%
50	POTDAR CHAITANYA SUHAS	5	6	4	9	4	8	36	72%
51	POWAR SOURABH SANJAY	6	7	6	6	5	8	38	76%
52	POWAR VISHAL SUKUMAR	6	7	5	7	4	8	37	74%
53	SATPUTE PRAMOD DAGADU	6	5	4	9	6	9	39	78%
54	SAVAT ALAKA PRAKASH	4	5	5	7	6	3	30	60%
55	SAWANT DHANRAJ DILIP	5	9	5	6	5	8	38	76%
56	SHELAR RUTURAJ SADASHIV	5	9	6	9	5	3	37	74%
57	SHINDE AKSHAY RAJARAM	5	9	8	9	4	4	39	78%
58	ZANJE UTTAM RANGNATH	5	9	5	5	4	9	37	74%
59	GAWADE KRAN PRAKASH	6	9	7	8	4	6	40	80%
60	GAWADE RAJESH SURESH	6	8	7	9	6	6	42	84%

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61	HASABE SACHIN APPA	6	9	7	7	4	3	36	72%
62	JAGTAP SWAPNIL SHIVAJI	5	9	7	9	5	7	42	84%
63	JAMADAR AYUB ABDULHAMID	4	5	8	6	5	8	36	72%
64	KARALE ROHAN RASHIKANT	6	7	7	8	6	8	42	84%
65	KARANURE SUSHANT SUNIL	6	5	6	5	5	8	35	70%
66	KHOPEDE PRASAD YUVRAJ	4	7	5	6	6	7	35	70%
67	KHOT AJIT BALU	6	7	6	9	5	4	37	74%
68	KHUTALE AKSHAY RAJARAM	4	6	4		4	7	25	50%
69	KORE DHIRAJ CHANDRAKANT	6	8	7	5	6	6	38	76%
70	LOBO ALLWYN MARSHAL	5	7	5	8	4	7	36	72%
71	MALI RAHUL SHIVAJI	4	6	5	7	5	4	31	62%
72	MORE NAGRAJ SHANKAR	4	8	5	6	4	9	36	72%
73	PATIL ABHISHEK AKARAM	5	5	4	5	4	8	31	62%
74	PATIL AKSHAY BALASAHEB	4	0	6	9	6	9	34	68%
75	PATIL AKSHAY VILAS	5	8	8	8	4	3	36	72%
76	PATIL PRADNYA RAGHUNATH	6	9	7		5	3	30	60%
77	PATIL SANGRAM MADHUKAR	5	9	7	9	5	7	42	84%
78	PATIL SHUBHAM SHRIKANT	4	5	8	6	5	8	36	72%
79	PATIL SUDHIR SHAMRAO	6	7	7	8	6	8	42	84%
80	SANKPAL AKSHAY SHIVAJI	6	5	6	5	5	8	35	70%
81	SARNAIK RANJIT SURESH	4	7	5	6	6	7	35	70%
82	SASANE ROHIT PRAKASH	6	7	6	9	5	4	37	74%
83	SHELAKHE DHULAPPA TANAJI	4	6	4	9	4	7	34	68%
84	SHINDE ABHIJIT GAJANAN	6	8	7	5	6	6	38	76%
85	SONAWANE SUJAY DILIP	5	7		8	4	7	31	62%
86	SURYAVANSHI OMKAR AMARSINH	4	6	5	7	5	4	31	62%
87	SUTAR AKSHAY HARI	4	8	5	6	4	9	36	72%
88	VARGE HARISH NANASO	5	5	4	5	4	8	31	62%
89	KONDEVILKAR SHASHANK S.	4	5	6	9		9	33	66%
90	CHIMANE VIJAY D	5	8	8	8	4	3	36	72%
91	DESAI MUSTAKAHMAD B.	6	8	7	9	6	7	43	86%
92	KUMBHAR YOGESH VIKAS	6	7	6	6	5	7	37	74%
93	PATIL RANJIT S	4		7	5	5	4	25	50%
94	SASANE SUSHANT MADHUKAR	6	8	6	9	5	4	38	76%
95	CHAVAN PRADEEP ACHUTRAO	6	6	8	5	5	4	34	68%
96	MANGAVE SHUBHAM R	4	5	5	7	6	3	30	60%
97	Dabholkar Akshay	5	9	5	6	5	8	38	76%
98	Kambale Tushar	5	9	6	9	5	3	37	74%
99	Patil Shankar Shivaji	5	9	8	9	4	4	39	78%
Total Marks		504.00	693.00	589.00	697.00	488.00	612.00		
Average Marks		5.09	7.07	6.01	7.19	4.98	6.18		
CO Attentment		12.16		13.20		11.16			
		C04		C05		C06			

As more than 80% of student scored 50 % marks therefore the attainment level is 3

  
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**Mechanical Engineering**  
Sanjeevan Engg. & Tech. Institute, Panhal

**SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA**  
**Department of Mechanical Engineering**

Course outcomes	Program Outcomes												Program Specific Outcomes		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	0												0	0	0
CO2				0									0	0	0
CO3		3		0									0	0	0
CO4		3											0	0	0
CO5			0										0	0	0
CO6		0											0	0	0
Count	1	3	1	2	0	0	0	0	0	0	0	0			
Total	0	6	0	0	0	0	0	0	0	0	0	0			
Attenment	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

  
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**Department of Mechanical Engineering**

		Unit Test		
	Course Outcomes	Unit test -1	Unit test -2	
	C01	12.06	0	
	C02	12.97	0	
	C03	11.55	0	
	C04	0	12.16	
	C05	0	13.20	
	C06	0	11.16	
	<b>Total</b>	<b>50</b>	<b>50</b>	



**HOD**

**Mechanical Engineering**  
**Sanjeevan Engg. & Tech. Institute, Panhala**



Attainment matrix for COs of individual student for the course Mechanical System Design ( Assignment and Termwork)

ROLL NO	NAME OF STUDENT	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	Total Marks	% of Marks
		1	2	3	4	5	6		
1	ADSUL GANESH BALASAHEB	10	9	10	10	9	10	58	96.67
2	AREMANI SACHIN MADAGONDA	9	8	8	10	8	10	53	88.33
3	BENDRE NAVESH SURESH	10	10	8	10	10	9	57	95.00
4	BHOSALE PRATHAMESH G.	10	8	9	9	9	8	53	88.33
5	BODAKE SUMIT DAGADU	8	10	8	9	9	8	52	86.67
6	CHOUGALE PRADEEP DHANAJI	10	8	9	10	9	8	54	90.00
7	CHOUGALE RANJIT DAMODAR	8	9	8	10	8	9	52	86.67
8	CHOUGULE AJAY BABURAO	10	8	10	10	10	9	57	95.00
9	CHOUGULE SHIVAJI ASHOK	9	10	9	10	10	9	57	95.00
10	DAKAVE AKASH KRISHNATH	8	8	8	9	8	8	49	81.67
11	DAMUGADE MAKARAND VILAS	9	9	9	10	8	9	54	90.00
12	DESAI MOHAMMADSALIL SADIK	10	10	10	8	9	8	55	91.67
13	GAIKWAD DIGVIJAY AJIT	10	9	9	8	9	10	55	91.67
14	GARE PANKAJ BABASO	8	8	10	9	10	8	53	88.33
15	GOTHAL VINAYAK	9	10	9	8	8	10	54	90.00
16	HAVAL AJINKYA ANIL	9	10	8	10	10	10	57	95.00
17	JADHAV AKSHAY JAGANNATH	8	10	8	9	8	10	53	88.33
18	JADHAV PRANAV VIJAY	8	8	8	9	10	8	51	85.00
19	JADHAV RAJWARDHAN SUJAY	9	10	8	9	9	8	53	88.33
20	JADHAV SHUBHAM SUHAS	10	10	9	10	9	10	58	96.67
21	JADHAV SOMANATH SUBHASH	10	8	8	10	10	9	55	91.67
22	JADHAV SUBHASH PANDURANG	8	10	9	9	10	8	54	90.00
23	KAMBLE ROHAN ASHOK	8	10	8	8	10	9	53	88.33
24	KHADE AKASH PRALHAD	10	10	8	8	9	9	54	90.00
25	KHADE OMKAR SANTOSH	10	10	8	10	9	9	56	93.33
26	KHADE SHUBHAM BHARAT	10	10	9	10	9	9	57	95.00
27	KHEBUDE KARAN NANASO	9	9	10	10	9	10	57	95.00
28	KULKARNI AKSHAY RAJENDRA	10	9	9	10	8	10	56	93.33
29	KUMBHAR PRATIK RAJESH	10	9	8	10	9	8	54	90.00
30	KUMBHAR UMESH PANDIT	8	9	8	8	9	10	52	86.67
31	KURADE AMOL SHIVAJI	9	8	9	9	10	10	55	91.67
32	LOKARE JANARDAN VASANT	8	9	8	10	9	10	54	90.00
33	METIL VAIBHAV BALASO	8	9	9	8	8	9	51	85.00
34	MOHITE NIKHIL DINKAR	10	10	8	8	9	9	54	90.00
35	MORE ASHISH SHAMRAO	10	8	10	9	8	10	55	91.67
36	PATIL AKASH ALIAS CHOUGONDA R.	9	10	10	10	9	10	58	96.67
37	PATIL ANIKET DATTAJI	10	8	8	10	8	10	54	90.00
38	PATIL DNYANESHWAR RAJARAM	9	9	8	9	10	9	54	90.00
39	PATIL HARSHAVARDHAN SANJAY	9	9	8	9	9	9	53	88.33
40	PATIL MURALIDHAR ANANDA	9	10	8	8	10	10	55	91.67
41	PATIL OMKAR UTTAM	10	9	9	8	8	9	53	88.33
42	PATIL ROHIT ANANDA	9	9	8	9	8	8	51	85.00
43	PATIL ROHIT KALGONDA	10	9	8	8	10	10	55	91.67
44	PATIL ROHIT VISHNU	10	8	10	10	10	8	56	93.33
45	PATIL SAURABH SANJAY	8	10	10	8	10	8	54	90.00
46	PATIL SHUBHAM ASHOK	10	10	8	10	8	8	54	90.00
47	PATIL SHUBHAM SAMBHAJI	9	9	9	9	9	10	55	91.67
48	PATIL SUMITKUMAR MANIK	10	10	9	10	8	10	57	95.00
49	PAYMAL NIVAS SHRIPATI	8	9	10	8	8	10	53	88.33
50	POTDAR CHAITANYA SUHAS	8	8	8	8	10	9	51	85.00
51	POWAR SOURABH SANJAY	10	8	10	10	8	9	55	91.67
52	POWAR VISHAL SUKUMAR	8	9	9	8	9	9	52	86.67
53	SATPUTE PRAMOD DAGADU	8	9	8	10	9	8	52	86.67
54	SAVAT ALAKA PRAKASH	9	9	9	8	10	8	53	88.33
55	SAWANT DHANRAJ DILIP	8	10	9	8	8	8	51	85.00
56	SHELAR RUTURAJ SADASHIV	9	9	8	9	8	9	52	86.67
57	SHINDE AKSHAY RAJARAM	8	10	9	10	9	9	55	91.67
58	ZANJE UTTAM RANGNATH	10	9	8	8	8	10	53	88.33
59	GAWADE KIRAN PRAKASH	10	10	8	10	10	8	56	93.33

  
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60	GAWADE RAJESH SURESH	10	9	8	8	10	8	53	88.33
61	HASABE SACHIN APPA	10	10	8	8	8	9	53	88.33
62	JAGTAP SWAPNIL SHIVAJI	8	8	9	9	10	10	54	90.00
63	JAMADAR AYUB ABDULHAMID	9	9	8	9	8	9	52	86.67
64	KARALE ROHAN RASHIKANT	9	10	10	8	9	8	54	90.00
65	KARANURE SUSHANT SUNIL	9	10	8	8	9	10	54	90.00
66	KHOPADE PRASAD YUVRAJ	10	8	10	9	9	9	55	91.67
67	KHOT AJIT BALU	8	8	10	10	9	8	53	88.33
68	KHUTALE AKSHAY RAJARAM	9	8	10	10	9	10	56	93.33
69	KORE DHIRAJ CHANDRAKANT	8	8	10	10	8	9	53	88.33
70	LOBO ALLWYN MARSHAL	10	8	8	10	8	10	54	90.00
71	MALI RAHUL SHIVAJI	9	8	8	9	9	10	53	88.33
72	MORE NAGRAJ SHANKAR	8	9	9	9	9	10	54	90.00
73	PATIL ABHISHEK AKARAM	10	8	9	8	8	9	52	86.67
74	PATIL AKSHAY BALASAHEB	8	9	9	10	9	9	54	90.00
75	PATIL AKSHAY VILAS	9	10	8	9	10	10	56	93.33
76	PATIL PRADNYA RAGHUNATH	8	9	9	8	8	9	51	85.00
77	PATIL SANGRAM MADHUKAR	8	9	8	8	8	9	50	83.33
78	PATIL SHUBHAM SHRIKANT	9	10	8	10	8	8	53	88.33
79	PATIL SUDHIR SHAMRAO	9	10	9	8	10	9	55	91.67
80	SANKPAL AKSHAY SHIVAJI	10	8	10	10	8	10	56	93.33
81	SARNAIK RANJIT SURESH	9	9	10	8	8	10	54	90.00
82	SASANE ROHIT PRAKASH	9	9	10	9	9	8	54	90.00
83	SHELAKA DHULAPPA TANAJI	10	10	10	10	8	10	58	96.67
84	SHINDE ABHIJIT GAJANAN	10	9	8	9	9	10	55	91.67
85	SONAWANE SUJAY DILIP	9	9	10	10	10	10	58	96.67
86	SURYAVANSHI OMKAR AMARSINH	10	10	9	10	9	8	56	93.33
87	SUTAR AKSHAY HARI	8	9	8	8	10	10	53	88.33
88	VARGE HARISH NANASO	9	10	8	9	9	10	55	91.67
89	KONDVILKAR SHASHANK S.	10	8	8	10	8	9	53	88.33
90	CHIMANE VIJAY D	10	8	8	8	10	10	54	90.00
91	DESAI MUSTAKAHMAD B.	9	8	8	8	8	9	50	83.33
92	KUMBHAR YOGESH VIKAS	10	10	8	8	9	10	55	91.67
93	PATIL RANJIT S	8	9	10	8	10	9	54	90.00
94	SASANE SUSHANT MADHUKAR	10	9	10	10	9	8	56	93.33
95	CHAVAN PRADEEP ACHUTRAO	8	10	10	9	9	10	56	93.33
96	MANGAVE SHUBHAM R	10	9	10	8	8	10	55	91.67
97	Dabholkar Akshay	10	10	9	8	9	9	55	91.67
98	Kambale Tushar	8	10	10	10	8	8	54	90.00
99	Patil Shankar Shivaji	10	8	8	9	8	8	51	85.00
Total Marks		903	900	871	896	882	903		
Average		9.12	9.09	8.80	9.05	8.91	9.12		
Cos		CO 1	CO 2	CO 3	CO 4	CO 5	CO 6		

As more than 80% of student scored 60 % marks therefore the attainment level is 3

  
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**CO,PO Mapping for BE Mechanical SEM I - Course Mechanical System Design**

Course Outcomes	Unit Test		Assignment						Internal Oral and Submission	External Oral	Final Exam	Total
	Unit test -1	Unit test -2	1	2	3	4	5	6				
CO1	16	0	10						15	25	100	166
CO2	18	0		10					15	25	100	168
CO3	16	0			10				15	25	100	166
CO4	0	16				10			15	25	100	166
CO5	0	18					10		15	25	100	168
CO6	0	16						10	15	25	100	166
Total	50	50	10	10	10	10	10	10	15	25	100	

Target Set is 50 % for each CO Attainment

**Attainment Matrix for B.E Mechanical SEM I - Course Mechanical System Design**

Course Outcomes	Unit Test		Assignment						Internal Oral and Submission	External Oral	Final Exam	Total	% Attainment	For Level 3	For Level 2	For Level 1
	Unit test -1	Unit test -2	1	2	3	4	5	6								
CO1	12.06	0	9.12						22.50	18.3	48.7	110.68	66.68	3.00	2.00	1.00
CO2	12.97	0		9.09					22.50	18.3	48.7	111.56	66.41	3.00	2.00	1.00
CO3	11.55	0			8.80				22.50	18.3	48.7	109.84	66.17	3.00	2.00	1.00
CO4	0	12.16				9.05			22.50	18.3	48.7	110.71	66.69	3.00	2.00	1.00
CO5	0	13.20					8.91		22.50	18.3	48.7	111.60	66.43	3.00	2.00	1.00
CO6	0	11.16						9.12	22.50	18.3	48.7	109.78	66.13	3.00	2.00	1.00
	36.58	36.52	9.12	9.09	8.80	9.05	8.91	9.12	22.50	18.30	48.70					

As every CO Attainment is more than 50 % therefore attainment level is 3

**COs - POs - PSOs Attainment Matrix for B.E Mechanical SEM I- Course Mechanical System Design**

Course outcomes	Program Outcomes (Pos)												Program		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3.00	0	0	0	0	0	0	0	0	0	0	0	3.00	0	2.00
CO2	0	0	0	2.00	0	0	0	0	0	0	0	0	2.00	0	2.00
CO3	0	3.00	0	0	0	0	0	0	0	0	0	0	3.00	0	2.00
CO4	0	0	2.00	0	0	0	0	0	0	0	0	0	3.00	0	2.00
CO5	0	0	3.00	0	0	0	0	0	0	0	0	0	2.00	0	2.00
CO6	0	2.00	0	0	0	0	0	0	0	0	0	0	2.00	0	2.00
Average	3.00	2.50	2.50	2.00	0	0	0	0	0	0	0	0	2.50	0.00	2.00
C702	3.00	2.50	2.50	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	2.00

  
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