

Shri. Gopinath Mahadeo Vedak Pratishthan's
G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
Department of Mechanical Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – Finite Element Analysis (MEC603)

CO PO PSO Mapping

Mapping of COs and Pos and PSOs															
PO →	1	2	3	4	5	6	7	8	9	10	11	12	PSO 1	PSO 2	PSO 3
CO ↓															
CO1	3	3												3	
CO2	3	3												3	
CO3	3	3												3	
CO4	3	3												3	
CO5	3	3												3	
CO6					3									3	
Max.	3	3	-	-	3	-	-	-	-	-	-	-	-	3	



Shri. Gopinath Mahadeo Vedak Pratishthan's
G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
Department of Mechanical Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem -TE /VI CBCGS
 Subject/ Course - Finite Element Analysis (MEC603)

Evaluation of Internal Assessment

Roll No.	Name of Student	IA-1													Total Marks 20
		Q.1										Q.2			
		1	2	3	4	5	6	7	8	9	10	1	2		
		CO2	CO2	CO2	CO3	CO3	CO3	CO1	CO3	CO3	CO3	CO2	CO2		
		1	1	1	1	1	1	1	1	1	1	10	10		
1	AMROSKAR MITESH MILIND	1	0	1	1	1	1	0	1	0	1	8	—	15	
2	ANGRE NITESH SONU	1	1	1	1	1	1	1	1	1	1	8	—	18	
3	BHAGAT AKASH ASHOK	1	1	1	1	1	1	1	1	1	1	8	—	18	
4	BHAYTANDEL HRISHIKESH RAMNATH	1	1	1	1	1	1	1	1	1	1	8	—	18	
5	BHOIR VISHAL RAMCHANDRA	1	1	1	1	1	1	1	1	1	1	0	—	10	
6	CHAVARKAR VINIT JAYPRAKASH	1	1	1	1	1	1	1	1	1	1	6	—	16	
7	CHOGLE TAWQEER ABDUL REHMAN	1	1	1	1	1	1	1	1	1	1	6	—	16	
8	DAKHNI SAALIM LIYAKAT	1	1	1	1	1	1	1	1	1	1	6	—	16	
9	DAROGE SHABIN MUBIN	1	1	1	1	1	1	1	1	1	1	6	—	16	
10	DHANSE FARMAN SHAKEEL	1	1	1	1	1	1	0	1	1	1	8	—	17	
11	DHAVDEKAR SUYOG SANTOSH	1	1	1	1	1	1	1	1	1	1	9	—	19	
12	GAVIT AMOL NETHU	1	1	1	1	1	1	1	1	1	1	9	—	19	
13	GUE MANDAR MANOHAR	1	1	1	1	1	1	1	1	1	1	9	—	19	
14	GORE RAJU NARAYAN	1	1	1	1	1	1	1	1	1	1	4	—	14	
15	GURAV JAYESH SUNIL	1	1	1	1	1	1	1	1	1	1	9	—	19	
16	HALDE DHIRAJ YASHWANT	1	1	1	1	1	1	1	1	1	1	9	—	19	
17	INGALE SHUBHAM DINKAR	1	1	1	1	1	1	0	1	1	1	8	—	17	
18	JADHAV MAYUR DINANATH	1	1	1	0	1	1	1	1	1	1	6	—	15	
19	JADHAV SUSHIL DNYANESHWAR	1	1	1	1	1	1	1	1	1	1	9	—	19	
20	JANGAM SIDDHANT SUDHAKAR	1	1	1	1	1	1	1	1	1	1	9	—	19	
21	KADAM VINAYAK GAJANAN	1	1	1	1	1	1	1	1	1	1	9	—	19	
22	KADU ATHARVA VIJAY	1	1	1	1	1	1	1	1	1	1	8	—	18	
23	KAMBLE KARAN MOHAN	1	1	1	1	1	1	1	1	1	1	6	—	16	
24	KARAMBAT VARUN ANAND	1	1	1	1	1	1	1	1	1	1	0	—	10	
25	KARNIK YASH SANJAY	1	1	1	1	1	1	0	0	0	1	9	—	16	
26	KAZI ZEESHAN ABIDEEN	1	1	1	1	1	1	1	1	1	1	9	—	19	
27	KOTAWADEKAR NARENDRA RAMAKANT	1	1	1	1	1	1	0	1	0	1	6	—	14	
28	LAD ROSHAN CHANDRAKANT	—	—	—	—	—	—	—	—	—	—	ab	—	ab	
29	LODGE SAAD MOHAMADSAB	1	1	1	1	1	1	1	1	1	1	—	—	19	
30	MAHADANPRADIP PRAKASH	1	1	1	1	1	1	1	1	1	1	—	—	19	

IA-2														Total Marks 20
Q.1										Q.2				
1	2	3	4	5	6	7	8	9	10	1	2			
CO2	CO2	CO1	CO1	CO1	CO1	CO1	CO1	CO1	CO4	CO3	CO1 CO2			
1	1	1	1	1	1	1	1	1	1	10	10			
1	1	1	1	1	1	1	1	1	0	—	9	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	17		
—	—	—	—	—	—	—	—	—	—	—	—	ab		
1	1	1	1	1	1	1	1	1	1	—	6	16		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	8	—	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	0	1	1	1	0	0	4	—	11		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	8	—	18		
1	1	1	1	1	1	1	1	1	0	—	8	17		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	0	0	1	0	0	0	1	0	1	6	—	10		
1	1	1	1	0	1	1	1	0	0	—	8	15		
1	1	1	1	1	1	1	1	0	0	—	8	16		
1	1	1	1	1	1	1	1	1	1	5	—	15		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	2	12		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		
1	1	1	1	1	1	1	1	1	1	—	8	18		



31	MAHADIK SANKET SANTOSH	1	1	1	1	1	1	1	1	1	1	9	—	19
32	MALUSARE YOGESH LILADHAR	1	1	1	1	1	1	1	1	1	1	9	—	19
33	MANVAL JAY MORESHWAR	1	1	1	1	1	1	1	1	1	1	9	—	19
34	MARAVADEPRAJYOT EKNATH	1	1	1	1	1	1	1	1	1	1	9	—	19
35	MIHATRE HRUTIK DAYARAM	1	1	1	1	1	1	1	1	1	1	9	—	19
36	MIHATRE RUPESH BALARAM	—	—	—	—	—	—	—	—	—	—	ab	—	ab
37	MIHATRE SURENDRA MAHADU	1	1	1	1	1	1	1	1	1	1	9	—	19
38	MOKAL PARAG SUBHASH	1	1	1	1	1	1	1	1	1	1	6	—	16
39	MOKAL SAMARTH DEEPAK	1	1	1	0	1	1	1	1	1	1	9	—	18
40	MORE CHETAN NITIN	1	1	1	1	1	1	1	0	1	1	8	—	17
41	NADKAR UBAIR IRFAN	1	1	1	1	1	1	1	1	1	1	6	—	16
42	NIVATE PRABHAT GANESH	1	1	1	1	1	1	1	1	1	1	8	—	18
43	PARTE VAIBHAV VIITHAL	1	1	1	1	1	1	1	1	1	1	9	—	19
44	PATHAN AMMAR RASHID	1	1	1	1	1	1	1	1	1	1	9	—	19
45	PATIL ACHUT DEVIDAS	1	1	1	1	1	1	1	1	1	1	8	—	18
46	PATIL GAURAV YASHWANT	1	0	1	1	1	1	0	1	0	1	8	—	15
47	PATIL OMKAR BALKRISHNA	1	0	1	1	1	1	0	1	0	1	8	—	15
48	PATIL PRAJOT SUDHAKAR	1	1	1	1	1	1	1	1	1	1	9	—	19
49	PATIL RAHUL RAMESH	1	1	1	1	1	1	1	1	1	1	9	—	19
50	PATIL ROHAN JAGDISH	1	1	1	1	1	1	1	1	1	1	8	—	18
51	PATIL ROHIT KESARINATH	1	1	1	1	1	1	1	1	1	1	9	—	19
52	PATIL SAURAV YASHWANT	1	0	1	1	1	1	0	1	0	1	8	—	15
53	PAWAR ANIKET NITIN	1	1	1	1	1	1	1	1	1	1	9	—	19
54	PAWAR ASHUTOSH ASHOK	1	1	1	1	1	1	0	1	1	1	6	—	15
55	PAWAR SHANTANU SANDEEP	1	1	1	1	1	1	1	1	1	1	6	—	16
56	PAWAR SWAPNIL GAJANAN	1	1	1	1	1	1	1	1	1	1	9	—	19
57	PUNKAR OMKAR ARJUN	1	0	0	0	1	0	1	1	0	0	4	—	8
58	RAHATWILKAR ARMAN AYYUB	1	1	1	1	1	1	1	1	1	1	6	—	16
59	SAYYED ARAFAZ MURAD	1	1	1	1	1	1	1	1	1	1	9	—	19
60	SHEDGE HRITIK SUDARSHAN	1	1	1	1	1	1	1	1	1	1	9	—	19

1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	0	1	1	1	1	1	1	—	8	17
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	—	8	18
											—	—	ab
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	—	5	15
1	1	1	0	1	1	1	1	1	1	1	7	—	16
1	1	1	1	1	1	1	1	1	1	0	8	—	17
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	8	—	18
1	1	1	1	1	1	1	1	1	1	1	8	—	18
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	0	—	8	17
1	1	1	1	1	1	1	1	1	1	0	—	8	17
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	0	1	1	1	1	1	0	1	—	8	16
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	1	0	—	8	17
1	1	1	1	1	0	1	1	1	1	0	—	8	15
1	1	1	1	1	1	1	1	1	1	0	—	0	9
1	1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	0	1	1	1	1	1	1	1	—	8	17
1	1	1	1	0	1	1	1	1	1	0	—	0	8
1	1	1	1	1	1	1	1	1	1	0	8	—	17
1	1	1	1	1	1	1	1	1	1	0	—	8	17
1	1	1	1	1	1	1	1	1	1	1	—	7	17



61	SHIGHREKAR USAMA ISHTIYAQUE	1	1	1	1	1	1	1	1	1	1	6	—	16
62	SHINDE SUYOG MAHENDRA	1	1	1	1	1	1	1	1	1	1	9	—	19
63	SOLKAR SAFWAN MUSHTAQUE	1	1	1	1	1	1	1	1	1	1	9	—	19
64	TELANGHE MANISH KHANDU	1	1	1	1	1	1	0	1	0	1	4	—	12
65	UPADHYE MANAS YOGENDRA	1	1	1	1	1	1	1	1	1	1	9	—	19
66	WAGHMARE ROHIT RAJENDRA	1	1	1	1	1	1	1	1	1	1	9	—	19
Average Marks		1.0	0.9	1.0	1.0	1.0	0.9	1.0	0.9	1.0	7.6	0.0		
Total No. of students		64	64	64	64	64	64	64	64	64	64	0		
No. of students above Average Marks		64	59	63	61	64	63	55	61	56	63	45	0	
% of Students above Average Marks		100.0	92.2	98.4	95.3	100.0	98.4	85.9	95.3	87.5	98.4	70.3	0.0	
Level		3	3	3	3	3	3	3	3	3	3	0		

1	1	1	1	1	1	1	1	0	1	—	8	17
1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	0	1	—	8	17
0	1	1	1	1	1	1	1	0	1	—	6	14
1	1	1	1	1	1	1	1	1	1	—	8	18
1	1	1	1	1	1	1	1	1	0	—	8	17
1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.8	0.8	7.4	7.5	
64	64	64	64	64	64	64	64	64	64	16	54	
63	63	63	61	58	63	63	64	54	50	16	52	
98.4	98.4	98.4	95.3	90.6	98.4	98.4	100.0	84.4	78.1	100.0	96.3	
3	3	3	3	3	3	3	3	3	3	3	3	

CO Attainment due to Test	Level
CO1	3.00
CO2	2.7
CO3	2.4
CO4	3
CO5	0
CO6	0

a. Attainment Level 1: 40% students scoring more than the average marks
b. Attainment Level 2: 50% students scoring more than the average marks
c. Attainment Level 3: 60% students scoring more than the average marks
(Note: Faculty can decide the increment in levels considering the complexity of the subject)
Attainment is measured in terms of actual percentage of students getting set percentage of marks.



Shri. Gopinath Mahadeo Vedak Pratishthan's
G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
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Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – Finite Element Analysis (MEC603)

Experiment Assessment

Roll No.	Name of student	Expt No 1	Expt No 2	Expt No 3	Expt No 4	Expt No 5	Expt No 6
		CO2 CO3 CO6	CO2 CO3 CO6	CO2 CO4 CO6	CO2 CO4 CO6	CO2 CO5 CO6	CO1 CO2 CO3 CO6
		Out of 15	Out of 15	Out of 15	Out of 15	Out of 15	Out of 15
1	AMROSKAR MITESH MILIND	10	9	9	9	10	10
2	ANGRE NITESH SONU	12	13	11	13	13	13
3	BHAGAT AKASH ASHOK	12	12	14	11	13	12
4	BHAYTANDEL HRISHIKESH RAMNATH	10	10	9	10	10	11
5	BHOIR VISHAL RAMCHANDRA	7	8	8	9	7	7
6	CHAVARKAR VINIT JAYPRAKASH	9	8	9	9	9	8
7	CHOGLE TAWQEER ABDUL REHMAN	10	11	10	10	11	10
8	DAKHNI SAALIM LIYAKAT	9	8	9	9	10	10
9	DAROGI SHABIN MUBIN	10	10	9	10	8	8
10	DHANSE FARMAN SHAKEEL	10	10	11	10	9	9
11	DHAVDEKAR SUYOG SANTOSH	13	13	12	11	13	12
12	GAVIT AMOL NETHU	14	14	12	14	13	14
13	GIJE MANDAR MANOHAR	8	8	9	9	9	8
14	GORE RAJU NARAYAN	9	9	8	9	9	8
15	GURAV JAYESH SUNIL	14	14	14	12	13	14
16	HALDE DHIRAJ YASHWANT	13	11	14	11	10	12
17	INGALE SHUBHAM DINKAR	7	7	8	9	8	9
18	JADHAV MAYUR DINANATH	10	10	10	11	10	10
19	JADHAV SUSHIL DNYANESHWAR	8	7	8	8	8	7
20	JANGAM SIDDHANT SUDHAKAR	7	8	8	7	8	8
21	KADAM VINAYAK GAJANAN	9	9	10	10	10	10
22	KADU ATHARVA VIJAY	7	8	8	8	8	7
23	KAMBLE KARAN MOHAN	11	10	10	10	9	9
24	KARAMBAT VARUN ANAND	7	8	8	8	7	8
25	KARNIK YASH SANJAY	8	8	7	7	8	8
26	KAZI ZEESHAN ABIDEEN	13	14	14	14	14	14
27	KOTAWADEKAR NARENDRA RAMAKANT	9	8	8	9	9	9
28	LAD ROSHAN CHANDRAKANT	8	8	7	7	8	9
29	LODGE SAAD MOHAMADSAB	9	9	8	9	9	9
30	MAHADAN PRADIP PRAKASH	7	8	9	9	8	8
31	MAHADIK SANKET SANTOSH	8	8	8	8	7	8
32	MALUSARE YOGESH LILADHAR	9	9	8	8	8	8
33	MANVAL JAY MORESHWAR	14	13	14	14	14	14
34	MARAVADE PRAJYOT EKNATH	9	8	9	8	9	8
35	MHATRE HRUTIK DAYARAM	8	9	8	9	9	8
36	MHATRE RUPESH BALARAM	7	8	7	7	7	8
37	MHATRE SURENDRA MAHADU	8	8	7	7	7	8
38	MOKAL PARAG SUBHASH	8	8	9	8	8	8
39	MOKAL SAMARTH DEEPAK	8	9	9	9	9	8
40	MORE CHETAN NITIN	9	9	8	8	8	8
41	NADKAR UBAIL IRFAN	8	7	8	9	8	8
42	NIVATE PRABHAT GANESH	8	8	9	9	9	9



43	PARTE VAIBHAV VITTHAL	9	9	9	8	9	9
44	PATHAN AMMAR RASHID	8	8	9	8	8	9
45	PATIL ACHUT DEVIDAS	8	9	8	7	8	8
46	PATIL GAURAV YASHWANT	8	8	9	8	8	8
47	PATIL OMKAR BALKRISHNA	9	9	8	8	8	8
48	PATIL PRAJOT SUDHAKAR	9	9	10	8	8	8
49	PATIL RAHUL RAMESH	8	8	8	9	7	8
50	PATIL ROHAN JAGDISH	7	7	7	8	7	7
51	PATIL ROHIT KESARINATH	8	7	7	7	7	7
52	PATIL SAURAV YASHWANT	8	8	7	7	7	7
53	PAWAR ANIKET NITIN	10	11	11	10	10	10
54	PAWAR ASHUTOSH ASHOK	7	7	8	7	7	7
55	PAWAR SHANTANU SANDEEP	9	9	8	9	9	9
56	PAWAR SWAPNIL GAJANAN	8	9	9	9	9	8
57	PUNKAR OMKAR ARJUN	7	8	8	7	7	7
58	RAHATWILKAR ARMAN AYYUB	9	8	7	8	8	8
59	SAYYED ARBAZ MURAD	8	8	7	7	8	8
60	SHEDGE HRITIK SUDARSHAN	9	8	8	8	9	9
61	SHIGHREKAR USAMA ISHTIYAQUE	8	8	8	7	8	8
62	SHINDE SUYOG MAHENDRA	8	9	8	8	8	8
63	SOLKAR SAFWAN MUSHTAQUE	9	9	8	9	9	9
64	TELANGHE MANISH KHANDU	7	8	9	8	8	10
65	UPADHYE MANAS YOGENDRA	11	12	11	11	11	11
66	WAGHMARE ROHIT RAJENDRA	12	11	11	11	12	11
Average marks		9.1	9.1	9.1	9.0	9.0	9.0

Total No. of Students	66	66	66	66	66	66
No. of students above Average Marks	34	33	33	36	33	30
% of Students above Average Marks	52	50	50	55	50	45
Level	2	2	2	2	2	1

CO Attainment due to Experiments	
CO	Levels
CO1	1.0
CO2	1.8
CO3	1.7
CO4	2.0
CO5	2.0
CO6	1.8

CO Attainment process:	
a. Attainment Level 1: 40% students scoring more than the average marks	
b. Attainment Level 2: 50% students scoring more than the average marks	
c. Attainment Level 3: 60% students scoring more than the average marks	
(Note: Faculty can decide the increment in levels considering the complexity of the subject)	
Attainment is measured in terms of actual percentage of students getting set percentage of marks.	



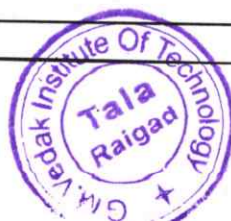
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Department of Mechanical Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – Finite Element Analysis (MEC603)

Assesment of Course Project and Internal oral

Sr.NO.	Name of student	Q.1	Q.2	Q.3	Total average marks
		CO1 CO2	CO3 CO4	CO5 CO6	
		Out of 5	Out of 5	Out of 5	
1	AMROSKAR MITESH MILIND	3	4	3	3
2	ANGRE NITESH SONU	3	2	5	3
3	BHAGAT AKASH ASHOK	3	4	3	3
4	BHAYTANDEL HRISHIKESH RAMNATH	4	3	3	3
5	BHOIR VISHAL RAMCHANDRA	4	3	3	3
6	CHAVARKAR VINIT JAYPRAKASH	3	3	4	3
7	CHOGLE TAWQEER ABDUL REHMAN	3	4	4	4
8	DAKHNI SAALIM LIYAKAT	3	2	2	2
9	DAROG SHABIN MUBIN	2	3	2	2
10	DHANSE FARMAN SHAKEEL	4	3	3	3
11	DHAVDEKAR SUYOG SANTOSH	3	5	4	4
12	GAVIT AMOL NETHU	5	3	3	4
13	GIJE MANDAR MANOHAR	3	4	3	3
14	GORE RAJU NARAYAN	3	4	3	3
15	GURAV JAYESH SUNIL	5	4	3	4
16	HALDE DHIRAJ YASHWANT	4	4	5	4
17	INGALE SHUBHAM DINKAR	3	4	3	3
18	JADHAV MAYUR DINANATH	5	4	3	4
19	JADHAV SUSHIL DNYANESHWAR	3	3	4	3
20	JANGAM SIDDHANT SUDHAKAR	3	3	3	3
21	KADAM VINAYAK GAJANAN	4	3	3	3
22	KADU ATHARVA VIJAY	3	3	3	3
23	KAMBLE KARAN MOHAN	4	3	3	3
24	KARAMBAT VARUN ANAND	3	3	4	3
25	KARNIK YASH SANJAY	4	3	3	3
26	KAZI ZEESHAN ABIDEEN	3	5	4	4
27	KOTAWADEKAR NARENDRA RAMAKANT	3	4	3	3
28	LAD ROSHAN CHANDRAKANT	3	4	3	3
29	LODGE SAAD MOHAMADSAB	5	5	3	4
30	MAHADAN PRADIP PRAKASH	3	3	4	3
31	MAHADIK SANKET SANTOSH	3	4	3	3



32	MALUSARE YOGESH LILADHAR	3	3	4	3
33	MANVAL JAY MORESHWAR	5	4	5	5
34	MARAVADE PRAJYOT EKNATH	5	4	3	4
35	MHATRE HRUTIK DAYARAM	3	4	3	3
36	MHATRE RUPESH BALARAM	3	3	3	3
37	MHATRE SURENDRA MAHADU	3	4	3	3
38	MOKAL PARAG SUBHASH	5	5	3	4
39	MOKAL SAMARTH DEEPAK	3	3	4	3
40	MORE CHETAN NITIN	3	4	3	3
41	NADKAR UBAIL IRFAN	3	4	3	3
42	NIVATE PRABHAT GANESH	4	3	3	3
43	PARTE VAIBHAV VITTHAL	3	3	4	3
44	PATHAN AMMAR RASHID	4	3	3	3
45	PATIL ACHUT DEVIDAS	3	4	3	3
46	PATIL GAURAV YASHWANT	2	3	2	2
47	PATIL OMKAR BALKRISHNA	2	2	3	2
48	PATIL PRAJOT SUDHAKAR	3	4	3	3
49	PATIL RAHUL RAMESH	3	3	4	3
50	PATIL ROHAN JAGDISH	4	3	3	3
51	PATIL ROHIT KESARINATH	3	4	3	3
52	PATIL SAURAV YASHWANT	4	3	3	3
53	PAWAR ANIKET NITIN	3	4	3	3
54	PAWAR ASHUTOSH ASHOK	4	3	3	3
55	PAWAR SHANTANU SANDEEP	3	3	4	3
56	PAWAR SWAPNIL GAJANAN	4	3	3	3
57	PUNKAR OMKAR ARJUN	4	3	3	3
58	RAHATWILKAR ARMAN AYYUB	3	4	3	3
59	SAYYED ARBAZ MURAD	3	4	3	3
60	SHEDGE HRITIK SUDARSHAN	3	4	3	3
61	SHIGHREKAR USAMA ISHTIYAQUE	4	3	3	3
62	SHINDE SUYOG MAHENDRA	3	4	3	3
63	SOLKAR SAFWAN MUSHTAQUE	3	4	3	3
64	TELANGHE MANISH KHANDU	3	4	3	3
65	UPADHYE MANAS YOGENDRA	4	3	3	3
66	WAGHMARE ROHIT RAJENDRA	3	4	3	3

Average Marks	3.4	3.5	3.2	
No. of students above Average Marks	63	63	63	
% of Students above Average Marks	95.5	95.5	95.5	
level	3	3	3	
no of students attended	66			

CO Attainment due to Internal POE	Level
CO1	3
CO2	3
CO3	3
CO4	3
CO5	3
CO6	3



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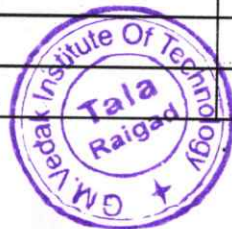
Subject/ Course – Finite Element Analysis (MEC603)

Assessment of external oral examination

Roll No	Name of student	Marks obtained
1	AMROSKAR MITESH MILIND	16
2	ANGRE NITESH SONU	20
3	BHAGAT AKASH ASHOK	19
4	BHAYTANDEL HRISHIKESH RAMNATH	16
5	BHOIR VISHAL RAMCHANDRA	Ab
6	CHAVARKAR VINIT JAYPRAKASH	14
7	CHOGLE TAWQEER ABDUL REHMAN	17
8	DAKHNI SAALIM LIYAKAT	14
9	DAROGI SHABIN MUBIN	14
10	DHANSE FARMAN SHAKEEL	16
11	DHAVDEKAR SUYOG SANTOSH	18
12	GAVIT AMOL NETHU	20
13	GIJE MANDAR MANOHAR	14
14	GORE RAJU NARAYAN	14
15	GURAV JAYESH SUNIL	18
16	HALDE DHIRAJ YASHWANT	14
17	INGALE SHUBHAM DINKAR	12
18	JADHAV MAYUR DINANATH	18
19	JADHAV SUSHIL DNYANESHWAR	14
20	JANGAM SIDDHANT SUDHAKAR	14
21	KADAM VINAYAK GAJANAN	16
22	KADU ATHARVA VIJAY	14
23	KAMBLE KARAN MOHAN	Ab
24	KARAMBAT VARUN ANAND	14
25	KARNIK YASH SANJAY	14
26	KAZI ZEESHAN ABIDEEN	18
27	KOTAWADEKAR NARENDRA RAMAKANT	16
28	LAD ROSHAN CHANDRAKANT	14



29	LODGE SAAD MOHAMADSAB	16
30	MAHADAN PRADIP PRAKASH	14
31	MAHADIK SANKET SANTOSH	14
32	MALUSARE YOGESH LILADHAR	12
33	MANVAL JAY MORESHWAR	21
34	MARAVADE PRAJYOT EKNATH	18
35	MHATRE HRUTIK DAYARAM	14
36	MHATRE RUPESH BALARAM	Ab
37	MHATRE SURENDRA MAHADU	12
38	MOKAL PARAG SUBHASH	16
39	MOKAL SAMARTH DEEPAK	14
40	MORE CHETAN NITIN	14
41	NADKAR UBAIR IRFAN	14
42	NIVATE PRABHAT GANESH	16
43	PARTE VAIBHAV VITTHAL	16
44	PATHAN AMMAR RASHID	14
45	PATIL ACHUT DEVIDAS	14
46	PATIL GAURAV YASHWANT	12
47	PATIL OMKAR BALKRISHNA	12
48	PATIL PRAJOT SUDHAKAR	16
49	PATIL RAHUL RAMESH	14
50	PATIL ROHAN JAGDISH	11
51	PATIL ROHIT KESARINATH	11
52	PATIL SAURAV YASHWANT	11
53	PAWAR ANIKET NITIN	16
54	PAWAR ASHUTOSH ASHOK	Ab
55	PAWAR SHANTANU SANDEEP	11
56	PAWAR SWAPNIL GAJANAN	11
57	PUNKAR OMKAR ARJUN	Ab
58	RAHATWILKAR ARMAN AYYUB	11
59	SAYYED ARBAZ MURAD	12
60	SHEDGE HRITIK SUDARSHAN	12
61	SHIGHREKAR USAMA ISHTIYAQUE	12
62	SHINDE SUYOG MAHENDRA	12
63	SOLKAR SAFWAN MUSHTAQUE	16
64	TELANGHE MANISH KHANDU	12
65	UPADHYE MANAS YOGENDRA	18
66	WAGHMARE ROHIT RAJENDRA	18



Average Marks	14.67
Students Attempted	61
No. of students above Average Marks	25
Percentage Attainment	40.98
Attainment level	1

CO Attainment due to External POE	Level
CO1	1
CO2	1
CO3	1
CO4	1
CO5	1
CO6	1

CO Attainment process:
a. Attainment Level 1: 40% students scoring more than the average marks
b. Attainment Level 2: 50% students scoring more than the average marks
c. Attainment Level 3: 60% students scoring more than the average marks
(Note: Faculty can decide the increment in levels considering the complexity of the subject)
Attainment is measured in terms of actual percentage of students getting set percentage of marks.



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Subject/ Course – Finite Element Analysis (MEC603)

Assessment of University Theory examination

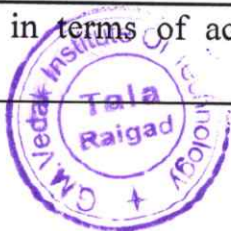
Sr. No	Student Name	Marks obtained
1	AMROSKAR MITESH MILIND	89
2	ANGRE NITESH SONU	82
3	BHAGAT AKASH ASHOK	76
4	BHAYTANDEL HRISHIKESH RAMNATH	74
5	BHOIR VISHAL RAMCHANDRA	73
6	CHAVARKAR VINIT JAYPRAKASH	83
7	CHOGLE TAWQEER ABDUL REHMAN	81
8	DAKHNI SAALIM LIYAKAT	70
9	DAROGGE SHABIN MUBIN	73
10	DHANSE FARMAN SHAKEEL	86
11	DHAVDEKAR SUYOG SANTOSH	88
12	GAVIT AMOL NETHU	86
13	GIJE MANDAR MANOHAR	84
14	GORE RAJU NARAYAN	74
15	GURAV JAYESH SUNIL	86
16	HALDE DHIRAJ YASHWANT	82
17	INGALE SHUBHAM DINKAR	81
18	JADHAV MAYUR DINANATH	82
19	JADHAV SUSHIL DNYANESHWAR	85
20	JANGAM SIDDHANT SUDHAKAR	87
21	KADAM VINAYAK GAJANAN	81
22	KADU ATHARVA VIJAY	76
23	KAMBLE KARAN MOHAN	79
24	KARAMBAT VARUN ANAND	65
25	KARNIK YASH SANJAY	84
26	KAZI ZEESHAN ABIDEEN	85
27	KOTAWADEKAR NARENDRA RAMAKANT	71
28	LAD ROSHAN CHANDRAKANT	77
29	LODGE SAAD MOHAMADSAB	71
30	MAHADAN PRADIP PRAKASH	72
31	MAHADIK SANKET SANTOSH	68
32	MALUSARE YOGESH LILADHAR	65
33	MANVAL JAY MORESHWAR	71
34	MARAVADE PRAJYOT EKNATH	70
35	MHATRE HRUTIK DAYARAM	69
36	MHATRE RUPESH BALARAM	ab



37	MHATRE SURENDRA MAHADU	75
38	MOKAL PARAG SUBHASH	72
39	MOKAL SAMARTH DEEPAK	89
40	MORE CHETAN NITIN	81
41	NADKAR UBAIR IRFAN	83
42	NIVATE PRABHAT GANESH	85
43	PARTE VAIBHAV VITTHAL	75
44	PATHAN AMMAR RASHID	87
45	PATIL ACHUT DEVIDAS	86
46	PATIL GAURAV YASHWANT	86
47	PATIL OMKAR BALKRISHNA	86
48	PATIL PRAJOT SUDHAKAR	85
49	PATIL RAHUL RAMESH	82
50	PATIL ROHAN JAGDISH	85
51	PATIL ROHIT KESARINATH	87
52	PATIL SAURAV YASHWANT	89
53	PAWAR ANIKET NITIN	79
54	PAWAR ASHUTOSH ASHOK	ab
55	PAWAR SHANTANU SANDEEP	84
56	PAWAR SWAPNIL GAJANAN	82
57	PUNKAR OMKAR ARJUN	67
58	RAHATWILKAR ARMAN AYYUB	84
59	SAYYED ARBAZ MURAD	87
60	SHEDGE HRITIK SUDARSHAN	73
61	SHIGHREKAR USAMA ISHTIYAQUE	81
62	SHINDE SUYOG MAHENDRA	88
63	SOLKAR SAFWAN MUSHTAQUE	74
64	TELANGHE MANISH KHANDU	63
65	UPADHYE MANAS YOGENDRA	68
66	WAGHMARE ROHIT RAJENDRA	70

Students Attempted	64.00
Average marks	79.05
Number of students above average marks	38.00
Percentage	59.38
attainment level	2.00

CO Attainment process:
a. Attainment Level 1: 40% students scoring more than the average marks
b. Attainment Level 2: 50% students scoring more than the average marks
c. Attainment Level 3: 60% students scoring more than the average marks
(Note: Faculty can decide the increment in levels considering the complexity of the subject)
Attainment is measured in terms of actual percentage of students getting set percentage of marks.



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G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
Department of Mechanical Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – Finite Element Analysis (MEC603)

Course Exit Survey

SR. NO	ROLL NUMBER	NAME OF STUDENT	1	2	3	4	5	6
			CO1	CO2	CO3	CO4	CO5	CO6
			5	5	5	5	5	5
1	1	Amroskar Mitesh Milind	4	4	4	4	4	4
2	7	Chogle Tawqeer Abdul Rehman	4	4	4	4	4	4
3	8	Dakhni Saalim Liyakat	5	5	5	5	5	5
4	10	Dhanse Farman Shakeel	4	2	3	3	3	3
5	11	Dhavdekar Suyog Santosh	4	4	5	3	3	2
6	12	Gavit Amol Nethu	4	5	3	3	3	1
7	13	GIJE MANDAR MANOHAR	5	5	5	5	5	5
8	14	GORE RAJU NARAYAN	3	3	3	3	3	3
9	16	Halde Dhiraj yashwant	4	5	4	4	4	3
10	17	INGALE SHUBHAM DINKAR	5	5	5	5	5	5
11	18	Jadhav Mayur Dinanath	5	5	5	5	5	5
12	19	JADHAV Sushil dnyaneshwar	5	5	5	5	5	5
13	21	KADAM VINAYAK GAJANAN	3	3	4	4	2	3
14	23	Kamble karan mohan	4	4	5	4	4	4
15	24	Karambat Varun Anand	3	3	3	3	3	3
16	25	KARNIK YASH SANJAY	5	5	5	5	5	5
17	26	KAZI ZEESHAN ABIDEEN	5	4	5	4	4	4
18	27	Kotawadekar Narendra Ramakant	3	3	3	3	3	4
19	29	LOGDE SAAD MOHAMAD.SAB	3	3	2	2	2	3
20	30	Mahadan Pradip Prakash	4	3	5	3	4	3
21	31	Mahadik Sanket Santosh	2	2	2	2	2	2
22	33	MANVAL JAY MORESHWAR	3	3	4	4	4	3
23	34	MARAVADE PRAJYOT EKNATH	5	5	5	5	5	5
24	35	Mhatre Hrutik Dayaram	4	4	4	4	4	4
25	36	Mhatre Hrutik Dayaram	4	4	4	4	4	4
26	36	Mhatre Surendra mahadu	3	4	4	3	3	3
27	38	MOKAL PARAG SUBHASH	5	4	4	3	4	5
28	39	Mokal Samarth Dipal	5	5	5	5	5	5
29	39	Mokal Samarth Dipak	5	5	5	5	5	5
30	40	More Chetan Nitin	5	5	5	5	5	5
31	41	Nadkar Ubair Irfan	3	4	3	4	4	5
32	42	Nivate Prabhat Ganesh	5	4	4	5	5	5



33	43	PARTE VAIBHAV VITTHAL	4	4	5	4	4	4
34	44	pathan ammar rashid	4	4	4	4	4	4
35	45	Patil Achut Devidas	5	5	5	5	5	5
36	46	Patil Gaurav Yashwant	3	3	3	2	4	2
37	47	PATIL OMKAR BALKRISHNA	3	3	3	3	3	3
38	51	Patil saurav yashwant	5	5	5	5	5	5
39	55	Pawar Shantanu Sandeep	5	5	4	4	5	4
40	58	RAHATWILKAR ARMAN AYYUB	4	4	4	5	4	4
41	59	SAYYED ARBAZ MURAD	5	5	5	5	5	5
42	60	Shedge_Hritik_Sudarshan	4	4	4	5	4	4
43	62	Shinde Suyog Mahendra	1	1	1	1	1	1
44	63	Solkar Safwan Mushtaque	5	5	5	5	5	5
45	65	Upadhye Manas yogendra yugandhara	5	5	5	5	5	5
46	66	Waghmare Rohit Rajeandra	3	3	4	3	3	4

Avg.	4.07	4.02	4.11	3.96	3.98	3.91
Total No. of Students	46.00	46.00	46.00	46.00	46.00	46.00
No. of students above Average Marks	33	33	35	31	33	31
% of Students above Average Marks	71.74	71.74	76.09	67.39	71.74	67.39
level	3	3	3	3	3	3

CO Attainment from CES	Level
CO1	3
CO2	3
CO3	3
CO4	3
CO5	3
CO6	3

CO Attainment process:
a. Attainment Level 1: 40% students scoring more than the average marks
b. Attainment Level 2: 50% students scoring more than the average marks
c. Attainment Level 3: 60% students scoring more than the average marks
Attainment is measured in terms of actual percentage of students getting set percentage of marks.



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Subject/ Course – Finite Element Analysis (MEC603)

Course Exit Survey Form

Sr. No	Question	CO	Level of Agreement					
			Excellent(5)	Very good (4)	Good (3)	Average (2)	Fair (1)	Neutral (0)
1	Are you able to solve differential equation using weighted residual technique	CO1						
2	Are you able to develop finite element equation to model engineering problems	CO2						
3	Are you able to solve engineering problems using one dimensional elements	CO3						
4	Are you able to solve engineering problems using two dimensional elements	CO4						
5	Are you able to apply finite element formulation to find natural frequency of system	CO5						
6	Are you able to use commercial FEA software to solve engineering problems	CO6						



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Subject/ Course – Finite Element Analysis (MEC603)

%CO Attainment for Course FEA							
Sr. no.	CO→ Assesment Method↓	CO1	CO2	CO3	CO4	CO5	CO6
	Direct methods (80%)						
	Internal Assesment (20% of Direct)						
1	Test	3.0	2.7	2.4	3.0	0.0	0.0
2	Experiment (Journal)	1.0	1.8	1.7	2.0	2.0	1.8
3	Assignment	NA	NA	NA	NA	NA	NA
4	Internal oral exam	3.0	3.0	3.0	3.0	3.0	3.0
	Avarage of Internal Assessment (A)	2.33	2.50	2.37	2.67	1.67	1.60
	External Assesment (80% of Direct)						
1	External oral Exam	1.0	1.0	1.0	1.0	1.0	1.0
2	University exams(Autonomous)	2.0	2.0	2.0	2.0	2.0	2.0
	Avarage of External Assessment(B)	1.5	1.5	1.5	1.5	1.5	1.5
	Indirect methods (20%)						
1	Course Exit Survey(C)	3.0	3.0	3.0	3.0	3.0	3.0
CO attainment= $0.16 \times A + 0.64 \times B + 0.20 \times C$		1.93	1.96	1.94	1.99	1.83	1.82



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Subject/ Course – Finite Element Analysis (MEC603)

% Mapping of COs and POs, PSO's

CO - PO-PSO's Mapping															
PO No →	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2	PSO3
CO ↓	% Attainment														
1	1.93	1.93												1.93	
2	1.96	1.96												1.96	
3	1.94	1.94												1.94	
4	1.99	1.99												1.99	
5	1.83	1.83												1.83	
6					1.82									1.82	
PO Attainment	1.93	1.93	—	—	1.82	—	—	—	—	—	—	—	—	1.91	—

[Signature]

Subject Incharge

[Signature]

Head of Department

