

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

Year / Sem –TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

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	-	-



(Signature)

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

Year / Sem -TE /VI CBCGS
Subject/ Course - DESIGN & DRAWING OF STEEL STRUCTURE

Evaluation of Internal Assessment

Roll No.	Name of Student	IA-1											Total Marks 20	
		Q.1										Q2		
		1	2	3	4	5	6	7	8	9	10	1		2
		CO3	CO3	CO3	CO2	CO2	CO2	CO2	CO3	CO3	CO3	CO2 CO3		CO2 CO3
		1	1	1	1	1	1	1	1	1	1	10	10	
1	AANARKAR SHADAF SHOUKAT	1	0	1	1	1	1	0	1	0	1	8	—	15
2	ASGI YOGESH SHREESHAIL	1	1	1	1	1	1	1	1	1	1	8	—	18
3	BAWLEKAR SAGAR MANGESH	1	1	1	1	1	1	1	1	1	1	8	—	18
4	BENDKHALE LALIT SHRIWAS	1	1	1	1	1	1	1	1	1	1	8	—	18
5	BHANUSHALI HEMANT RAMESH	1	1	1	1	1	1	1	1	1	1	0	—	10
6	BHOIR YUVRAJ HARIDAS	1	1	1	1	1	1	1	1	1	1	6	—	16
7	BORICHA GIRISH JESING	1	1	1	1	1	1	1	1	1	1	6	—	16
8	CHAVAN PRANAV SANJAY	1	1	1	1	1	1	1	1	1	1	6	—	16
9	CHAVAN VISHWARAJ RAMDAS	1	1	1	1	1	1	1	1	1	1	6	—	16
10	CHIKTAY MOHAMMADNUSTAFI KHALIL	1	1	1	1	1	1	0	1	1	1	8	—	17
11	CHOUHAN ARVINDKUMAR YOGENDRA	1	1	1	1	1	1	1	1	1	1	9	—	19
12	DAWALE JAYESH NAMDEV	1	1	1	1	1	1	1	1	1	1	9	—	19
13	DHASADE PRANIT NISHIGANDHA	1	1	1	1	1	1	1	1	1	1	9	—	19
14	DHAWDEKAR PRASAD BILARAT	1	1	1	1	1	1	1	1	1	1	4	—	14
15	GHARAT VIKRANT VINAYAK	1	1	1	1	1	1	1	1	1	1	9	—	19
16	HAFIZ MOHAMMED JAILIL	1	1	1	1	1	1	1	1	1	1	9	—	19
17	HASWARE SOBAN SIRAJ	1	1	1	1	1	1	1	0	1	1	8	—	17
18	KENI HITESH HARISHCHANDRA	1	1	1	0	1	1	1	1	1	1	6	—	15
19	KHANDAGLE PRAKASH PARSHURAM	1	1	1	1	1	1	1	1	1	1	9	—	19
20	KHEDEKAR SWAPNIL SURENDRA	1	1	1	1	1	1	1	1	1	1	9	—	19
21	KHOT CHINMAY CHANDRASHEKHAR	1	1	1	1	1	1	1	1	1	1	9	—	19
22	MASULDAR ISRAAR IQBAL	1	1	1	1	1	1	1	1	1	1	8	—	18
23	MHATRE ABHIJIT ASHOK	1	1	1	1	1	1	1	1	1	1	6	—	16
24	MHATRE ABHIMANYU PANDURANG	1	1	1	1	1	1	1	1	1	1	0	—	10
25	MHATRE OMKAR DILIP	1	1	1	1	1	1	0	0	0	0	0	—	0

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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.

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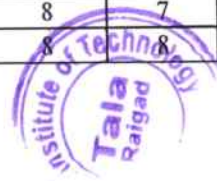
Shri. Gopinath Mahadeo Vedak Pratishthan's
G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
Department of Civil Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

Termwork Assessment

Roll No.	Name of student	TW No 1	TW No 2	TW No 3	TW No 4	TW No 5	TW 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	AANARKAR SHADAF SHOUKAT	10	9	9	9	10	10
2	ASGI YOGESH SHREESHAIL	12	13	11	13	13	13
3	BAWLEKAR SAGAR MANGESH	12	12	14	11	13	12
4	BENDKHALE LALIT SHRINIWAS	10	10	9	10	10	11
5	BHANUSHALI HEMANT RAMESH	7	8	8	9	7	7
6	BHOIR YUVRAJ HARIDAS	9	8	9	9	9	8
7	BORICHA GIRISH JESING	10	11	10	10	11	10
8	CHAVAN PRANAV SANJAY	9	8	9	9	10	10
9	CHAVAN VISHWARAJ RAMDAS	10	10	9	10	8	8
10	CHIKTAY MOHAMMADMUSTAFA KHALIL	10	10	11	10	9	9
11	CHOUHAN ARVINDKUMAR YOGENDRA	13	13	12	11	13	12
12	DAWALE JAYESH NAMDEV	14	14	12	14	13	14
13	DHASADE PRANIT NISHIGANDHA	8	8	9	9	9	8
14	DHAWDEKAR PRSAD BHARAT	9	9	8	9	9	8
15	GHARAT VIKRANT VINAYAK	14	14	14	12	13	14
16	HAFIZ MOHAMMED JALIL	13	11	14	11	10	12
17	HASWARE SOBAN SIRAJ	7	7	8	9	8	9
18	KENI HITESH HARISHCHABDRA	10	10	10	11	10	10
19	KHANDAGLE PRAKASH PARSHURAM	8	7	8	8	8	7
20	KHEDEKAR SWAPNIL SURENDRA	7	8	8	7	8	8
21	KHOT CHINMAY CHNDRASHEKHAR	9	9	10	10	10	10
22	MASULDAR ISRAAR IQBQL	7	8	8	8	8	7
23	MHATRE ABHIJIT ASHOK	11	10	10	10	9	9
24	MHATRE ABHIMANYU PANDURANG	7	8	8	8	7	8
25	MHATRE OMKAR DILIP	8	8	7	7	8	8
26	MHATRE SHUBHUM SUNIL	13	14	14	14	14	14
27	MHATRE SUMIT SUBHASH	9	8	8	9	9	9
28	/ MORE TEJASWI YASHWANT	8	8	7	7	8	9
29	/ MUNDHE SAYALI SAMIR	9	9	8	9	9	9
30	PALKHE PRAVIN RAMLING	7	8	9	9	8	8
31	PANDEY PUSHPENDRA AMBIKAPRASAD	8	8	8	8	7	8
32	PATIL ADITYA AJAY	9	9	8	8	8	8
33	PATIL ALPESH HARESHWAR	14	13	14	14	14	14
34	PATIL PRATHAMESH RAMAKANT	9	8	9	8	9	8
35	PATIL SIDDHARTH GHANSHYAM	8	9	8	9	9	8
36	/ PATIL SWEJAL SANDISH	7	8	7	7	7	8
37	PAWAR ADARSH VIJAY	8	8	7	7	7	8
38	PHANSEKAR HARSHAL ANANT	8	8	9	8	8	8
39	PIMPALKAR ABHIJEET ANIL	8	9	9	9	9	8
40	POWALE ADITYA RAKESH	9	9	8	8	8	8
41	/ RASANE SHUBHANGI YESHWANTA	8	7	8	9	8	8
42	RAUT PRANAY DATTARAM	8	8	9	9	9	9



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43	RHATWILKAR IBRAHIM KAMALUDDIN	9	9	9	8	9	9
44	SALAWKAR ANIKET DYANESHWAR	8	8	9	8	8	9
45	SALUNKHE ANIKET DARBARISING	8	9	8	7	8	8
46	/ SALUNKHE ANUSHKA DARBARSHING	8	8	9	8	8	8
47	SALUNKHE DEVANAND HIRAMAN	9	9	8	8	8	8
48	SANAP DIPESH DILIP	9	9	10	8	8	8
49	SATNURKAR PRANIT CHANDRASHEKHAR	8	8	8	9	7	8
50	SAYYAD OSAMA NISAR	7	7	7	8	7	7
51	SHAIKH MOHDYASIN BASUMIYAN	8	7	7	7	7	7
52	SOLANKI HASMOKH SHAMJI	8	8	7	7	7	7
53	/ SURVE SHIVANI VILAS	10	11	11	10	10	10
54	TAMBE ASHISH VASANT	7	7	8	7	7	7
55	THAMKE NIKHIL CHANDRAKANT	9	9	8	9	9	9
56	WAGLE SOHAM SUBHASH	8	9	9	9	9	8
Average marks		9.1	9.1	9.2	9.1	9.0	9.1

Total No. of Students	56	56	56	56	56	56
No. of students above Average Marks	29	29	30	33	29	25
% of Students above Average Marks	52	52	54	59	52	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:

- Attainment Level 1: 40% students scoring more than the average marks
 - Attainment Level 2: 50% students scoring more than the average marks
 - 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 Civil Engineering
Academic Year 2020-21 (First Half 2021)

Year / Sem –TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

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	AANARKAR SHADAF SHOUKAT	3	4	3	3
2	ASGI YOGESH SHREESHAIL	3	2	5	3
3	BAWLEKAR SAGAR MANGESH	3	4	3	3
4	BENDKHALE LALIT SHRINIWAS	4	3	3	3
5	BHANUSHALI HEMANT RAMESH	4	3	3	3
6	BHOIR YUVRAJ HARIDAS	3	3	4	3
7	BORICHA GIRISH JESING	3	4	4	4
8	CHAVAN PRANAV SANJAY	3	2	2	2
9	CHAVAN VISHWARAJ RAMDAS	2	3	2	2
10	CHIKTAY MOHAMMADMUSTAFA KHALIL	4	3	3	3
11	CHOUHAN ARVINDKUMAR YOGENDRA	3	5	4	4
12	DAWALE JAYESH NAMDEV	5	3	3	4
13	DHASADE PRANIT NISHIGANDHA	3	4	3	3
14	DHAWDEKAR PRSAD BHARAT	3	4	3	3
15	GHARAT VIKRANT VINAYAK	5	4	3	4
16	HAFIZ MOHAMMED JALIL	4	4	5	4
17	HASWARE SOBAN SIRAJ	3	4	3	3
18	KENI HITESH HARISHCHABDRA	5	4	3	4
19	KHANDAGLE PRAKASH PARSHURAM	3	3	4	3
20	KHEDEKAR SWAPNIL SURENDRA	3	3	3	3
21	KHOT CHINMAY CHINDRASHEKHAR	4	3	3	3
22	MASULDAR ISRAAR IQBQL	3	3	3	3
23	MHATRE ABHIJIT ASHOK	4	3	3	3
24	MHATRE ABHIMANYU PANDURANG	3	3	4	3
25	MHATRE OMKAR DILIP	4	3	3	3
26	MHATRE SHUBHUM SUNIL	3	5	4	4
27	MHATRE SUMIT SUBHASH	3	4	3	3
28	/ MORE TEJASWI YASHWANT	3	4	3	3
29	/ MUNDHE SAYALI SAMIR	5	5	3	4
30	PALKHE PRAVIN RAMLING	3	3	4	3
31	PANDEY PUSHPENDRA AMBIKAPRASAD	3	4	3	3
32	PATIL ADITYA AJAY	3	3	4	3
33	PATIL ALPESH HARESHWAR	5	4	5	5
34	PATIL PRATHAMESH RAMAKANT	5	4	3	4
35	PATIL SIDDHARTH GHANSHYAM	3	4	3	3
36	/ PATIL SWEJAL SANDISH	3	3	3	3
37	PAWAR ADARSH VIJAY	3	4	3	3
38	PHANSEKAR HARSHAL ANANT	5	5	3	4



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39	PIMPALKAR ABHIJEET ANIL	3	3	4	3
40	POWALE ADITYA RAKESH	3	4	3	3
41	/ RASANE SHUBHANGI YESHWANTA	3	4	3	3
42	RAUT PRANAY DATTARAM	4	3	3	3
43	RHATWILKAR IBRAHIM KAMALUDDIN	3	3	4	3
44	SALAWKAR ANIKET DYANESHWAR	4	3	3	3
45	SALUNKHE ANIKET DARBARSHING	3	4	3	3
46	/ SALUNKHE ANUSHKA DARBARSHING	2	3	2	2
47	SALUNKHE DEVANAND HIRAMAN	2	2	3	2
48	SANAP DIPESH DILIP	3	4	3	3
49	SATNURKAR PRANIT CHANDRASHEKHAR	3	3	4	3
50	SAYYAD OSAMA NISAR	4	3	3	3
51	SHAIKH MOHDYASIN BASUMIYAN	3	4	3	3
52	SOLANKI HASMOKH SHAMJI	4	3	3	3
53	/ SURVE SHIVANI VILAS	3	4	3	3
54	TAMBE ASHISH VASANT	4	3	3	3
55	THAMKE NIKHIL CHANDRAKANT	3	3	4	3
56	WAGLE SOHAM SUBHASH	4	3	3	3

Average Marks	3.4	3.5	3.3	
No. of students above Avarage Marks	53	53	53	
% of Students above Avarage Marks	80.3	80.3	80.3	
level	3	3	3	
no of students attended	56			

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



(Signature)

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

Year / Sem –TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

Assessment of external oral examination

Roll No	Name of student	Marks obtained
1	AAINARKAR SHADAF SHOUKAT	16
2	ASGI YOGESH SHREESHAIL	20
3	BAWLEKAR SAGAR MANGESH	19
4	BENDKHALE LALIT SHRINIWAS	16
5	BHANUSHALI HEMANT RAMESH	12
6	BHOIR YUVRAJ HARIDAS	14
7	BORICHA GIRISH JESING	17
8	CHAVAN PRANAV SANJAY	14
9	CHAVAN VISHWARAJ RAMDAS	14
10	CHIKTAY MOHAMMADMUSTAFA KHALIL	16
11	CHOUHAN ARVINDKUMAR YOGENDRA	18
12	DAWALE JAYESH NAMDEV	20
13	DHASADE PRANIT NISHIGANDHA	14
14	DHAWDEKAR PRSAD BHARAT	14
15	GHARAT VIKRANT VINAYAK	18
16	HAFIZ MOHAMMED JALIL	14
17	HASWARE SOBAN SIRAJ	12
18	KENI HITESH HARISHCHABDRA	18
19	KHANDAGLE PRAKASH PARSHURAM	14
20	KHEDEKAR SWAPNIL SURENDRA	14
21	KHOT CHINMAY CHNDRASHEKHAR	16
22	MASULDAR ISRAAR IQBQL	14
23	MHATRE ABHIJIT ASHOK	14
24	MHATRE ABHIMANYU PANDURANG	14
25	MHATRE OMKAR DILIP	14
26	MHATRE SHUBHUM SUNIL	18
27	MHATRE SUMIT SUBHASH	16
28	/ MORE TEJASWI YASHWANT	14
29	/ MUNDHE SAYALI SAMIR	16
30	PALKHE PRAVIN RAMLING	14
31	PANDEY PUSHPENDRA AMBIKAPRASAD	14
32	PATIL ADITYA AJAY	12



33	PATIL ALPESH HARESHWAR	21
34	PATIL PRATHAMESH RAMAKANT	18
35	PATIL SIDDHARTH GHANSHYAM	14
36	/ PATIL SWEJAL SANDISH	16
37	PAWAR ADARSH VIJAY	12
38	PHANSEKAR HARSHAL ANANT	16
39	PIMPALKAR ABHIJEET ANIL	14
40	POWALE ADITYA RAKESH	14
41	/ RASANE SHUBHANGI YESHWANTA	14
42	RAUT PRANAY DATTARAM	16
43	RHATWILKAR IBRAHIM KAMALUDDIN	16
44	SALAWKAR ANIKET DYANESHWAR	14
45	SALUNKHE ANIKET DARBARSHING	14
46	/ SALUNKHE ANUSHKA DARBARSHING	12
47	SALUNKHE DEVANAND HIRAMAN	12
48	SANAP DIPESH DILIP	16
49	SATNURKAR PRANIT CHANDRASHEKHAR	14
50	SAYYAD OSAMA NISAR	11
51	SHAIKH MOHDYASIN BASUMIYAN	11
52	SOLANKI HASMOKH SHAMJI	11
53	/ SURVE SHIVANI VILAS	16
54	TAMBE ASHISH VASANT	15
55	THAMKE NIKHIL CHANDRAKANT	11
56	WAGLE SOHAM SUBHASH	11

Average Marks	14.85
Students Attempted	55
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



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Department of Civil Engineering
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Year / Sem –TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

Assessment of University Theory examination

Sr. No	Student Name	Marks obtained
1	AAINARKAR SHADAF SHOUKAT	89
2	ASGI YOGESH SHREESHAIL	82
3	BAWLEKAR SAGAR MANGESH	76
4	BENDKHALE LALIT SHRINIWAS	74
5	BHANUSHALI HEMANT RAMESH	73
6	BHOIR YUVRAJ HARIDAS	83
7	BORICHA GIRISH JESING	81
8	CHAVAN PRANAV SANJAY	70
9	CHAVAN VISHWARAJ RAMDAS	73
10	CHIKTAY MOHAMMADMUSTAFA KHALIL	86
11	CHOUHAN ARVINDKUMAR YOGENDRA	88
12	DAWALE JAYESH NAMDEV	86
13	DHASADE PRANIT NISHIGANDHA	84
14	DHAWDEKAR PRSAD BHARAT	74
15	GHARAT VIKRANT VINAYAK	86
16	HAFIZ MOHAMMED JALIL	82
17	HASWARE SOBAN SIRAJ	81
18	KENI HITESH HARISHCHABDRA	82
19	KHANDAGLE PRAKASH PARSHURAM	85
20	KHEDEKAR SWAPNIL SURENDRA	87
21	KHOT CHINMAY CHNDRASHEKHAR	81
22	MASULDAR ISRAAR IQBQL	76
23	MHATRE ABHIJIT ASHOK	79
24	MHATRE ABHIMANYU PANDURANG	65
25	MHATRE OMKAR DILIP	84
26	MHATRE SHUBHUM SUNIL	85
27	MHATRE SUMIT SUBHASH	71
28	/ MORE TEJASWI YASHWANT	77
29	/ MUNDHE SAYALI SAMIR	71
30	PALKHE PRAVIN RAMLING	72
31	PANDEY PUSHPENDRA AMBIKAPRASAD	68
32	PATIL ADITYA AJAY	65
33	PATIL ALPESH HARESHWAR	71
34	PATIL PRATHAMESH RAMAKANT	70
35	PATIL SIDDHARTH GHANSHYAM	69
36	/ PATIL SWEJAL SANDISH	65



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37	PAWAR ADARSH VIJAY	75
38	PHANSEKAR HARSHAL ANANT	72
39	PIMPALKAR ABHIJEET ANIL	89
40	POWALE ADITYA RAKESH	81
41	/ RASANE SHUBHANGI YESHWANTA	83
42	RAUT PRANAY DATTARAM	85
43	RHATWILKAR IBRAHIM KAMALUDDIN	75
44	SALAWKAR ANIKET DYANESHWAR	87
45	SALUNKHE ANIKET DARBARSING	86
46	/ SALUNKHE ANUSHKA DARBARSHING	86
47	SALUNKHE DEVANAND HIRAMAN	86
48	SANAP DIPESH DILIP	85
49	SATNURKAR PRANIT CHANDRASHEKHAR	82
50	SAYYAD OSAMA NISAR	85
51	SHAIKH MOHDYASIN BASUMIYAN	87
52	SOLANKI HASMOKH SHAMJI	89
53	/ SURVE SHIVANI VILAS	79
54	TAMBE ASHISH VASANT	74
55	THAMKE NIKHIL CHANDRAKANT	84
56	WAGLE SOHAM SUBHASH	82

Students Attempted	56.00
Average marks	79.34
Number of students above average marks	34.00
Percentage	60.71
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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Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

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 use the knowledge of Limit State Design philosophy as applied to steel structures. IS 800 code clauses?	CO1						
2	Are you able to design bolted and welded connections.	CO2						
3	Are you able to design members subjected to axial tension.	CO3						
4	Are you able to design compression members, Built-up columns and column bases.	CO4						
5	Are you able to design members subjected to bending moment, shear force etc.	CO5						
6	Are you able to estimate design loads as per IS 875 for roof truss and design the Steel roof truss.	CO6						



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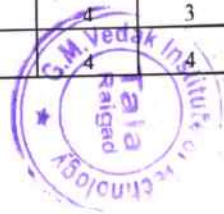
Shri. Gopinath Mahadeo Vedak Pratishthan's
G. M. VEDAK INSTITUTE OF TECHNOLOGY, TALA
 Department of Civil Engineering
 Academic Year 2020-21 (First Half 2021)

Year / Sem -TE /VI CBCGS

Subject/ Course – DESIGN & DRAWING OF STEEL STRUCTURE

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	AANARKAR SHADAF SHOUKAT	4	4	4	4	4	4
2	2	ASGI VOGESH SHREESHAIL	4	4	4	4	4	4
3	3	BAWLEKAR SAGAR MANGESH	5	5	5	5	5	5
4	4	BENDKHALE LALIT SHRINIWAS	4	2	3	3	3	3
5	5	BHANUSHALI HEMANT RAMESH	4	4	5	3	3	2
6	6	BHOIR YUVRAJ HARIDAS	4	5	3	3	3	1
7	7	BORICHA GIRISH JESING	5	5	5	5	5	5
8	8	CHAVAN PRANAV SANJAY	3	3	3	3	3	3
9	9	CHAVAN VISHWARAJ RAMDAS	4	5	4	4	4	3
10	10	CHIKTAY MOHAMMADMUSTAFA	5	5	5	5	5	5
11	11	CHOUHAN ARVINDKUMAR YOGEN	5	5	5	5	5	5
12	12	DAWALE JAYESH NAMDEV	5	5	5	5	5	5
13	13	DHASADE PRANIT NISHIGANDHA	3	3	4	4	2	3
14	14	DHAWDEKAR PRSAD BHARAT	4	4	5	4	4	4
15	15	GHARAT VIKRANT VINAYAK	3	3	3	3	3	3
16	16	HAFIZ MOHAMMED JALIL	5	5	5	5	5	5
17	17	HASWARE SOBAN SIRAJ	5	4	5	4	4	4
18	18	KENI HITESH HARISHCHABDRA	3	3	3	3	3	4
19	19	KHANDAGLE PRAKASH PARSHUR	3	3	2	2	2	3
20	20	KHEDEKAR SWAPNIL SURENDRA	4	3	5	3	4	3
21	21	KHOT CHINMAY CHNDRASHEKHA	2	2	2	2	2	2
22	22	MASULDAR ISRAAR IQBQL	3	3	4	4	4	3
23	23	MHATRE ABHIJIT ASHOK	5	5	5	5	5	5
24	24	MHATRE ABHIMANYU PANDURAN	4	4	4	4	4	4
25	25	MHATRE OMKAR DILIP	4	4	4	4	4	4
26	26	MHATRE SHUBHUM SUNIL	3	4	4	3	3	3
27	27	MHATRE SUMIT SUBHASH	5	4	4	3	4	5
28	28	/ MORE TEJASWI YASHWANT	5	5	5	5	5	5
29	29	/ MUNDHE SAYALI SAMIR	5	5	5	5	5	5
30	30	PALKHE PRAVIN RAMLING	5	5	5	5	5	5
31	31	PANDEY PUSHPENDRA AMBIKAPR	3	4	3	4	4	5
32	32	PATIL ADITYA AJAY	5	4	4	5	5	5



Dea

33	33	PATIL ALPESH HARESHWAR	4	4	5	4	4	4
34	34	PATIL PRATHAMESH RAMAKANT	4	4	4	4	4	4
35	35	PATIL SIDDHARTH GHANSHYAM	5	5	5	5	5	5
36	36	/ PATIL SWEJAL SANDISH	3	3	3	2	4	2
37	37	PAWAR ADARSH VIJAY	3	3	3	3	3	3
38	38	PHANSEKAR HARSHAL ANANT	5	5	5	5	5	5
39	39	PIMPALKAR ABHIJEET ANIL	5	5	4	4	5	4
40	40	POWALE ADITYA RAKESH	4	4	4	5	4	4
41	41	/ RASANE SHUBHANGI YESHWANT	5	5	5	5	5	5
42	42	RAUT PRANAY DATTARAM	4	4	4	5	4	4
43	43	RHATWILKAR IBRAHIM KAMALUL	1	1	1	1	1	1
44	44	SALAWKAR ANIKET DYANESHWAR	5	5	5	5	5	5
45	45	SALUNKHE ANIKET DARBARISINGH	5	5	5	5	5	5
46	46	/ SALUNKHE ANUSHKA DARBARISINGH	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.	



(Signature)

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%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	Term Work	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=0.16xA + 0.64xB + 0.20*C		1.93	1.96	1.94	1.99	1.83	1.82



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% Mapping of COs and POs, PSO's

CO - PO-PSO's Mapping													PSO1	PSO2	PSO3
PO No →	1	2	3	4	5	6	7	8	9	10	11	12			
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		



Dated: _____
D.P. Hingorani