DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	STRENGTH OF MATERIALS	SUBJECT CODE	17CV32

COURSE OUTCOME

CO1. To evaluate the Strength various structural elements internal forces such as compression, tension, shear, bending and torsion

CO2. To suggest suitable material from among the available in the field of construction and manufacturing

CO3. To evaluate the behaviour and strength of structural elements under the action of compound stresses and thus understand failure concepts

CO4. To understand the basic concept of analysis and design of members subjected to torsion

CO5. To understand the basic concept of analysis and design of structural elements such as columns and struts.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY										
FACULTY NAME	Dr. C. NAGARAJA										
BRANCH	CIVIL ENGINEERING			ACADEMIC YEAR			2018-19				
COURSE	B.E	SEMESTER		3	SECTION		---				
SUBJECT	STRENGTH OF MATERIALS				SUBJECT CODE		17CV32				
CO & PO MAPPING											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	1								1
CO2	2	2	3	2								1
CO3	1	1	1									1
CO4	2	2	3	2								1
CO5	2	2	3	2								1
AVERAGE	1.8	2	2.4	1.75								1
OVERALL MAPPING OF SUBJECT												1.79

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	30.45	0.6	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CO2	34.94	0.7	0.7	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CO3	35.33	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CO4	52.87	1.1	1.1	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
CO5	52.87	1.1	1.1	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
AVG	41.29	0.76	0.82	1.04	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FINAL ATTAINMENT LEVEL OF THE COURSE													0.27

C Nagaraja
Course Instructor

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TUMKUR - 572105.

Academic year			SEM	III			Total strength		45		Subject										17CV32								
	IA TEST 1(30M)		IA TEST 2(30M)				IA TEST 3(30M)		ASSIGNEMENT / QUIZ(10 M)					SEE MARKS(60)						Total Cos ATTAINMENT					% of individual CO					SEE Tot
USN	CO1	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL=SUM(	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4		CO1	CO2	CO3	CO4	CO5	60M
1SV17CV001	24	24	7	7	14	10	9	19	2	2	2	2	2	2	2	3	3	3	28	11	12	15	14	63.6364	37.931	41.3793	51.7241	48.2759	13
1SV17CV002	7	7	1	1	2	9	9	18	2	2	2	2	2	2	2	2	3	3	11	5	5	14	14	25	17.2414	17.2414	48.2759	48.2759	12
1SV17CV004	14	14	4	4	8	9	9	18	2	2	2	2	2	2	3	3	3	3	18	9	9	14	14	40.9091	31.0345	31.0345	48.2759	48.2759	14
1SV17CV005	15	15	6	6	12	12	11	23	2	2	2	2	2	5	5	5	6	6	22	13	13	20	19	50	44.8276	44.8276	68.9655	65.5172	27
1SV17CV006	15	15	5	5	10	10	9	19	2	2	2	2	2	2	3	3	3	3	19	10	10	15	14	43.1818	34.4828	34.4828	51.7241	48.2759	14
1SV17CV007	8	8	0	0	0	9	9	18	2	2	2	2	2	4	3	3	3	3	14	5	5	14	14	31.8182	17.2414	17.2414	48.2759	48.2759	16
1SV17CV008	0	0	1		1	9	9	18	2	2	2	2	2	1	2	2	2	2	3	5	4	13	13	6.81818	17.2414	13.7931	44.8276	44.8276	9
1SV17CV010	4	4	3	2	5	9	9	18	2	2	2	2	2	1	1	2	2	2	7	6	6	13	13	15.9091	20.6897	20.6897	44.8276	44.8276	8
1SV17CV011	17	17	2	3	5	9	9	18	2	2	2	2	2	4	5	5	5	5	23	9	10	16	16	52.2727	31.0345	34.4828	55.1724	55.1724	24
1SV17CV012	12	12	6	6	12	10	9	19	2	2	2	2	2	1	5	5	5	5	15	13	13	17	16	34.0909	44.8276	44.8276	58.6207	55.1724	21
1SV17CV013	0	0	0	0	0	9	9	18	2	2	2	2	2	1	1	1	1	1	3	3	3	12	12	6.81818	10.3448	10.3448	41.3793	41.3793	5
1SV17CV014	9	9	6	6	12	9	9	18	2	2	2	2	2	3	5	5	5	5	14	13	13	16	16	31.8182	44.8276	44.8276	55.1724	55.1724	23
1SV17CV015	13	13	3	3	6	9	9	18	2	2	2	2	2	2	2	3	3	3	17	7	8	14	14	38.6364	24.1379	27.5862	48.2759	48.2759	13
1SV17CV016	24	24	11	11	22	13	12	25	2	2	2	2	2	4	5	5	5	5	30	18	18	20	19	68.1818	62.069	62.069	68.9655	65.5172	24
1SV17CV017	12	12	7	6	13	10	9	19	2	2	2	2	2	2	2	2	3	3	16	11	10	15	14	36.3636	37.931	34.4828	51.7241	48.2759	12
1SV17CV018	25	25	11	11	22	14	14	28	2	2	2	2	2	8	8	8	8	9	35	21	21	24	25	79.5455	72.4138	72.4138	82.7586	86.2069	41
1SV17CV019	30	30	15	15	30	15	15	30	2	2	2	2	2	7	8	8	8	8	39	25	25	25	25	88.6364	86.2069	86.2069	86.2069	86.2069	39
1SV17CV020	0	0	0	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	4.54545	6.89655	6.89655	6.89655	6.89655	0
1SV17CV021	12	12	8	8	16	11	11	22	2	2	2	2	2	0	0	0	0	0	14	10	10	13	13	31.8182	34.4828	34.4828	44.8276	44.8276	0
1SV17CV022	20	20	5	5	10	10	10	20	2	2	2	2	2	6	6	6	6	6	28	13	13	18	18	63.6364	44.8276	44.8276	62.069	62.069	30
1SV17CV023	15	15	1	1	2	9	9	18	2	2	2	2	2	2	5	5	5	5	19	8	8	16	16	43.1818	27.5862	27.5862	55.1724	55.1724	22
1SV17CV024	19	19	14	14	28	14	15	29	2	2	2	2	2	5	6	6	6	6	26	22	22	22	23	59.0909	75.8621	75.8621	75.8621	79.3103	29
1SV17CV025	10	10	12	12	24	13	14	27	2	2	2	2	2	6	7	7	7	7	18	21	21	22	23	40.9091	72.4138	72.4138	75.8621	79.3103	34
1SV17CV026	0	0	1	1	2	9	9	18	2	2	2	2	2	5	5	5	5	6	7	8	8	16	17	15.9091	27.5862	27.5862	55.1724	58.6207	26
1SV17CV027	0	0	6	5	11	9	9	18	2	2	2	2	2	4	4	4	4	5	6	12	11	15	16	13.6364	41.3793	37.931	51.7241	55.1724	21
1SV18CV400	0	0	2	1	3	9	9	18	2	2	2	2	2	2	1	1	1	1	4	5	4	12	12	9.09091	17.2414	13.7931	41.3793	41.3793	6
1SV18CV401	2	2	1	1	2	9	9	18	2	2	2	2	2	3	2	2	2	2	7	5	5	13	13	15.9091	17.2414	17.2414	44.8276	44.8276	11
1SV18CV402	0	0	8	8	16	10	9	19	2	2	2	2	2	4	4	4	4	5	6	14	14	16	16	13.6364	48.2759	48.2759	55.1724	55.1724	21
1SV18CV403	0	0	4	4	8	9	9	18	2	2	2	2	2	3	3	3	4	4	5	9	9	15	15	11.3636	31.0345	31.0345	51.7241	51.7241	17
1SV18CV404	10	10	3	4	7	9	9	18	2	2	2	2	2	1	1	1	1	1	13	6	7	12	12	29.5455	20.6897	24.1379	41.3793	41.3793	5
1SV18CV405	0	0	1	1	2	9	9	18	2	2	2	2	2	6	6	6	6	6	8	9	9	17	17	18.1818	31.0345	31.0345	58.6207	58.6207	30
1SV18CV406	0	0	7	7	14	9	9	18	2	2	2	2	2	2	2	2	2	2	4	11	11	13	13	9.09091	37.931	37.931	44.8276	44.8276	10
1SV18CV407	0	0	0	0	0	9	9	18	2	2	2	2	2	3	3	2	2	2	5	5	4	13	13	11.3636	17.2414	13.7931	44.8276	44.8276	12
1SV18CV408	11	11	3	3	6	9	9	18	2	2	2	2	2	5	5	5	6	6	18	10	10	17	17	40.9091	34.4828	34.4828	58.6207	58.6207	27
1SV18CV409	0	0	1	2	3	9	9	18	2	2	2	2	2	3	3	4	4	4	5	6	8	15	15	11.3636	20.6897	27.5862	51.7241	51.7241	18
1SV18CV410	7	7	2	2	4	9	9	18	2	2	2	2	2	5	4	4	4	4	14	8	8	15	15	31.8182	27.5862	27.5862	51.7241	51.7241	21

1SV18CV411	0	0	6	7	13	9	9	18	2	2	2	2	2	3	2	2	2	2	5	10	11	13	13	11.3636	34.4828	37.931	44.8276	44.8276	11
1SV18CV412	0	0	5	6	12	9	9	18	2	2	2	2	2	3	3	4	4	4	5	11	12	15	15	11.3636	37.931	41.3793	51.7241	51.7241	18
1SV18CV413	0	0	2	2	4	9	9	18	2	2	2	2	2	1	1	1	1	1	3	5	5	12	12	6.81818	17.2414	17.2414	41.3793	41.3793	5
1SV18CV414	0	0	2	2	4	9	9	18	2	2	2	2	2	2	3	3	3	3	4	7	7	14	14	9.09091	24.1379	24.1379	48.2759	48.2759	14
1SV18CV415	0	0	1	1	2	9	9	18	2	2	2	2	2	0	0	1	1	1	2	3	4	12	12	4.54545	10.3448	13.7931	41.3793	41.3793	3
1SV18CV416	9	9	7	8	15	9	9	18	2	2	2	2	2	5	5	5	5	5	16	14	15	16	16	36.3636	48.2759	51.7241	55.1724	55.1724	25
1SV18CV417	10	10	4	4	8	9	9	18	2	2	2	2	2	2	3	3	3	3	22	9	9	14	14	50	31.0345	31.0345	48.2759	48.2759	14
1SV18CV418	10	10	10	9	19	12	12	24	2	2	2	2	2	4	4	5	5	5	16	16	16	19	19	36.3636	55.1724	55.1724	65.5172	65.5172	23
1SV18CV419	0	0	6	6	12	9	9	18	2	2	2	2	2	5	5	5	5	6	7	13	13	16	17	15.9091	44.8276	44.8276	55.1724	58.6207	26
Avg	8.267	8.2667	4.689	4.77	9.356	9.6444	9.3333	19.1777778	2	2	2	2	2	3.13333	3.4444	3.5379	3.6889	3.8	13.4	10.1333	10.2444	15.3333	15.3333	30.4545	34.9425	35.3257	52.8736	52.8736	17.6444

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(ODD Sem)**	**Faculty**	**: Mrs. Bhavya C H**
Subject	:FLUIDS MECHANICS	**Semester**	**: 3**
Code	: 17CV33		

Course Outcomes	
CO1	Possess a sound knowledge of fundamental properties of fluids and fluid Continuum .
CO2	Compute and solve problems on hydrostatics, including practical applications
CO3	Apply principles of mathematics to represent kinematic concepts related to fluid flow
CO4	Apply fundamental laws of fluid mechanics and the Bernoulli's principle for practical applications
CO5	Compute the discharge through pipes and over notches and weirs

CO-PO-Mapping												
	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	3	3	0	0	0	1	1	1	0	1	0	1
CO2	3	3	0	0	0	1	1	1	0	1	0	1
CO3	3	3	0	0	0	1	1	1	0	1	0	1
CO4	3	3	0	0	0	1	1	1	0	1	0	1
CO5	3	3	0	0	0	1	1	1	0	1	0	1
Average	**3**	**3**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**
OVERALL MAPPING OF SUBJECT = 1.57												

CO-PO ATTAINMENT														
COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	**50.03**	1.50	1.50	0	0	0	0.50	0.50	0.50	0	0.50	0	0.50	0.79
CO2	**45.15**	1.35	1.35	0	0	0	0.45	0.45	0.45	0	0.45	0	0.45	0.71
CO3	**46.47**	1.39	1.39	0	0	0	0.46	0.46	0.46	0	0.46	0	0.46	0.73
CO4	**48.59**	1.46	1.46	0	0	0	0.49	0.49	0.49	0	0.49	0	0.49	0.76
CO5	**46.47**	1.39	1.39	0	0	0	0.46	0.46	0.46	0	0.46	0	0.46	0.73
Avg.	**47.03**	**1.41**	**1.41**	**0.00**	**0.00**	**0.00**	**0.47**	**0.47**	**0.47**	**0.00**	**0.47**	**0.00**	**0.47**	0.74
FINIAL ATTAINMENT														**0.74**

Course Instructor

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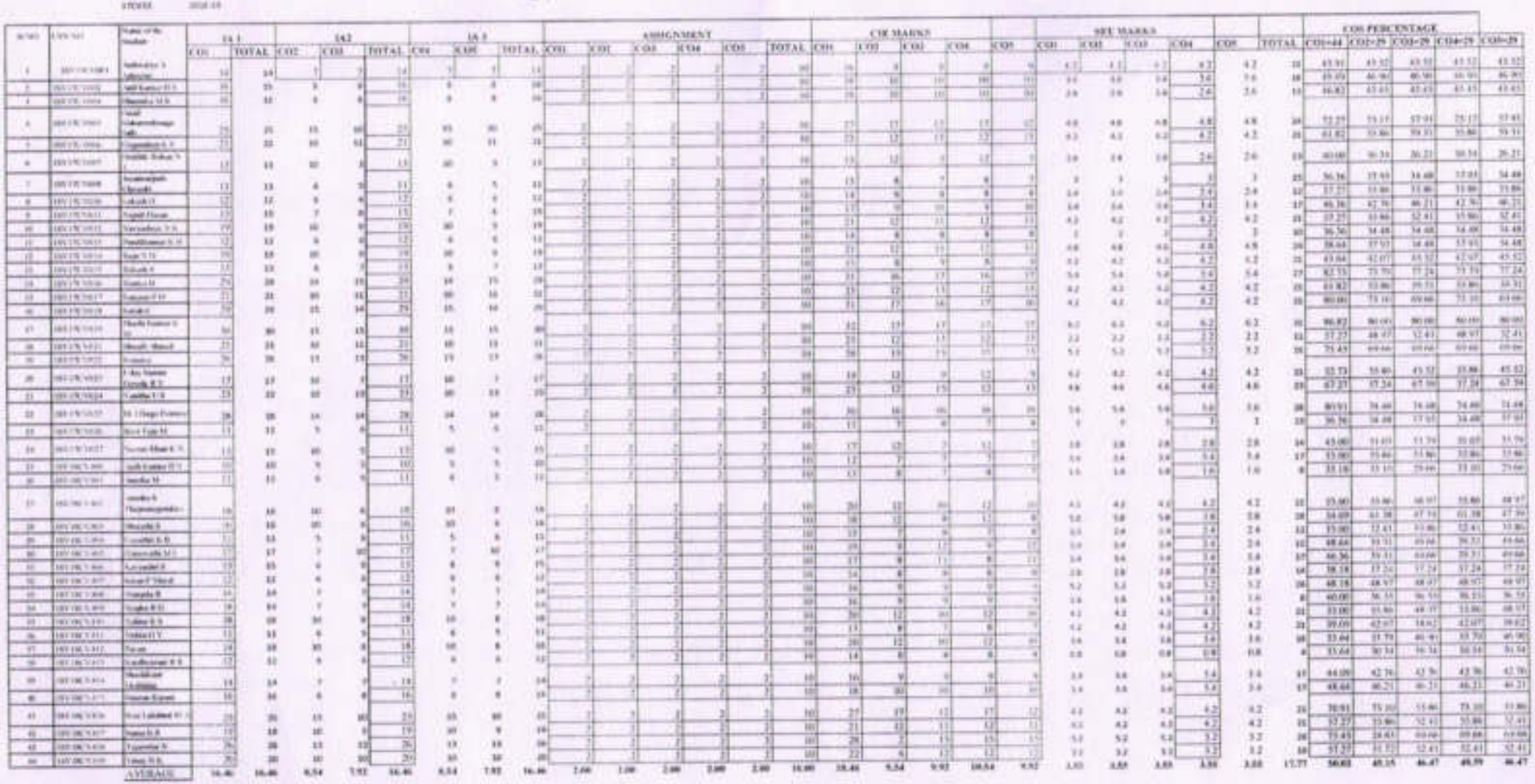

Beena, CH.

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Principal

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19 (Odd Sem)	Faculty	: Mrs. Supriya C B
Subject	:BASIC SURVEYING	Semester	: 3
Code	: 17CV34		

Subject:BASIC SURVEYING		SubjectCode:17CV34
	Course Outcomes	
CO1	Possess a sound knowledge of fundamental principles Geodetics	
CO2	Measurement of vertical and horizontal plane, linear and angular dimensions to arrive at solutions to basic surveying problems.	
CO3	Capture geodetic data to process and perform analysis for survey problems]	
CO4	Analyse the obtained spatial data and compute areas and volumes. Represent 3D data on plane figures as contours	

CO-PO Mapping												
	PO's											
COs	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	2	0	0	0	0	1	1	0	0	0	1
CO2	2	2	0	0	0	1	0	1	0	0	0	1
CO3	2	2	0	0	0	0	1	1	0	0	0	1
CO4	2	2	0	0	0	1	1	1	0	0	0	1
Average	**2**	**2**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**1**
											OVERALL MAPPING OF SUBJECT	1.33

CO-PO ATTAINMENT														
COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	65.55	1.31	1.31	0	0	0	0	0.66	0.66	0	0	0	0.66	0.92
CO2	65.03	1.30	1.30	0	0	0	0.65	0	0.65	0	0	0	0.65	0.91
CO3	64.9	1.30	1.30	0	0	0	0	0.65	0.65	0	0	0	0.65	0.91
CO4	62.9	1.26	1.26	0	0	0	0.63	0.63	0.63	0	0	0	0.63	0.84
Avg	**64.60**	**1.29**	**1.29**	**0.00**	**0.00**	**0.00**	**0.64**	**0.65**	**0.65**	**0.00**	**0.00**	**0.00**	**0.65**	**0.86**
													FINIAL ATTAINMENT	0.89

Course Instructor

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Sl NO	USN NO	Name of the Student	IA 1		IA2			IA 3			ASSIGNMENT					CIE MARKS				SEE MARKS					COS PERCENTAGE			
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	TOTAL	CO1=47.5%	CO2=32.5%	CO3=47.5%	CO4=32.5%
1	1SV17CV001	Aishwarya A Ashwar	18	18	10	8	18	10	8	18	2.5	2.5	2.5	2.5	10	20.5	12.5	20.5	10.5	7.25	7.25	7.25	7.25	29	58.4211	60.7692	58.4211	54.6154
2	1SV17CV002	Anil Kumar B S	15	15	10	5	15	10	5	15	2.5	2.5	2.5	2.5	10	17.5	12.5	17.5	7.5	7.75	7.75	7.75	7.75	31	51.1579	62.3077	51.1579	46.9231
3	1SV17CV004	Bhavika M R	25	25	15	10	25	15	10	25	2.5	2.5	2.5	2.5	10	27.5	17.5	27.5	12.5	6	6	6	6	24	70.5263	72.3077	70.5263	56.9231
4	1SV17CV005	Daval Mahaswmiluinga Sathi	21	21	10	11	21	10	11	21	2.5	2.5	2.5	2.5	10	23.5	12.5	23.5	13.5	8.75	8.75	8.75	8.75	35	67.8947	65.3846	67.8947	68.4615
5	1SV17CV006	Gaonidiep E S	18	18	8	10	18	8	10	18	2.5	2.5	2.5	2.5	10	20.5	10.5	20.5	12.5	7.5	7.5	7.5	7.5	30	58.9474	55.3846	58.9474	61.5385
6	1SV17CV007	Hrudnik Rohan N J	14	14	10	4	14	10	4	14	2.5	2.5	2.5	2.5	10	16.5	12.5	16.5	6.5	5.75	5.75	5.75	5.75	23	46.8421	56.1538	46.8421	37.6923
7	1SV17CV008	Imamunnisb Chowdri	14	14	8	6	14	8	6	14	2.5	2.5	2.5	2.5	10	16.5	10.5	16.5	8.5	7.25	7.25	7.25	7.25	29	50	54.6154	50	48.4615
8	1SV17CV010	Lokesh D	13	13	5	10	15	5	10	15	2.5	2.5	2.5	2.5	10	17.5	7.5	17.5	12.5	3.25	3.25	3.25	3.25	13	43.6842	53.0769	43.6842	48.4615
9	1SV17CV011	Nagul Hasan	12	12	6	6	12	6	6	12	2.5	2.5	2.5	2.5	10	14.5	8.5	14.5	8.5	6.75	6.75	6.75	6.75	27	44.7368	46.9231	44.7368	46.9231
10	1SV17CV012	Nayvaibhav N K	24	24	10	14	24	10	14	24	2.5	2.5	2.5	2.5	10	26.5	12.5	26.5	10.5	6.5	6.5	6.5	6.5	26	69.4737	58.4615	69.4737	50.7692
11	1SV17CV013	Punithkumar K B	14	14	8	6	14	8	6	14	2.5	2.5	2.5	2.5	10	16.5	10.5	16.5	8.5	4.5	4.5	4.5	4.5	18	44.2105	46.1538	44.2105	40
12	1SV17CV014	Ranu N D	13	13	10	5	15	10	5	15	2.5	2.5	2.5	2.5	10	17.5	12.5	17.5	7.5	5.25	5.25	5.25	5.25	21	47.8947	54.6154	47.8947	39.2308
13	1SV17CV015	Rakesh S	14	14	4	10	14	4	10	14	2.5	2.5	2.5	2.5	10	16.5	6.5	16.5	12.5	5.5	5.5	5.5	5.5	22	46.3158	36.9231	46.3158	55.3846
14	1SV17CV016	Ramya B	29	29	14	15	29	14	15	29	2.5	2.5	2.5	2.5	10	31.5	16.5	31.5	17.5	9	9	9	9	36	85.2632	78.4615	85.2632	81.5385
15	1SV17CV017	Sanjana P D	18	18	9	9	18	9	9	18	2.5	2.5	2.5	2.5	10	20.5	11.5	20.5	11.5	5.75	5.75	5.75	5.75	23	55.2632	53.0769	55.2632	53.0769
16	1SV17CV018	Satish C	27	27	13	14	27	13	14	27	2.5	2.5	2.5	2.5	10	29.5	15.5	29.5	16.5	10.25	10.25	10.25	10.25	41	83.6842	79.2308	83.6842	82.3077
17	1SV17CV019	Shashi Kumar K M	29	29	14	15	29	14	15	29	2.5	2.5	2.5	2.5	10	31.5	16.5	31.5	17.5	9.25	9.25	9.25	9.25	37	85.7895	79.2308	85.7895	82.3077
18	1SV17CV021	Shoaib Ahmed	20	20	10	10	20	10	10	20	2.5	2.5	2.5	2.5	10	22.5	12.5	22.5	12.5	6	6	6	6	24	60	56.9231	60	56.9231
19	1SV17CV022	Soumya	22	22	10	12	22	10	12	22	2.5	2.5	2.5	2.5	10	24.5	12.5	24.5	14.5	7.5	7.5	7.5	7.5	30	67.3684	61.5385	67.3684	67.6923
20	1SV17CV023	Uday Kumar Gowda R V	21	21	10	11	21	10	11	21	2.5	2.5	2.5	2.5	10	23.5	12.5	23.5	13.5	6.5	6.5	6.5	6.5	26	63.1579	58.4615	63.1579	63.5385
21	1SV17CV024	Vanitha U S	26	26	12	14	26	12	14	26	2.5	2.5	2.5	2.5	10	28.5	14.5	28.5	16.5	9	9	9	9	36	78.9474	72.3077	78.9474	78.4615
22	1SV17CV025	BLI Dugu Evertine	22	22	10	11	22	10	11	22	2.5	2.5	2.5	2.5	10	24.5	12.5	24.5	13.5	11	11	11	11	44	74.7368	72.3077	72.6316	75.3846
23	1SV17CV026	Ravi Teja M	14	14	10	4	14	10	4	14	2.5	2.5	2.5	2.5	10	16.5	12.5	16.5	6.5	6	6	6	6	24	47.3684	56.9231	47.3684	58.4615
24	1SV17CV027	Nawaz Khan K N	13	13	0	13	13	0	13	13	2.5	2.5	2.5	2.5	10	17.5	7.5	17.5	17.5	8	8	8	8	32	53.6842	32.3077	53.6842	78.4615
25	1SV18CV400	Ajith Kumar B N	25	25	15	10	25	15	10	25	2.5	2.5	2.5	2.5	10	27.5	17.5	27.5	12.5	8	8	8	8	32	74.7368	78.4615	74.7368	63.0769
26	1SV18CV401	Anusha M	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10	30.5	16.5	30.5	16.5	7.25	7.25	7.25	7.25	29	79.4737	73.0769	79.4737	73.0769
27	1SV18CV402	Anusha S Thippaseegowda	27	27	13	14	27	13	14	27	2.5	2.5	2.5	2.5	10	29.5	15.5	29.5	16.5	8.25	8.25	8.25	8.25	33	79.4737	73.0769	79.4737	76.1538
28	1SV18CV403	Bharathi S	21	21	13	10	23	13	10	23	2.5	2.5	2.5	2.5	10	25.5	13.5	25.5	12.5	8	8	8	8	32	66.3158	66.1538	66.3158	63.0769
29	1SV18CV404	Gautam K B	24	24	14	10	24	14	10	24	2.5	2.5	2.5	2.5	10	26.5	16.5	26.5	12.5	6.5	6.5	6.5	6.5	26	69.4737	70.7692	69.4737	58.4615
30	1SV18CV405	Hemavathi M L	22	22	10	11	22	10	11	22	2.5	2.5	2.5	2.5	10	24.5	12.5	24.5	13.5	8.25	8.25	8.25	8.25	33	68.9474	63.8462	66.8421	60.9231
31	1SV18CV406	Kavyashri S	19	19	9	10	19	9	10	19	2.5	2.5	2.5	2.5	10	21.5	11.5	21.5	12.5	8.25	8.25	8.25	8.25	33	62.6316	60.7692	62.6316	63.8462
32	1SV18CV407	Kiran P Mural	18	18	10	8	18	10	8	18	2.5	2.5	2.5	2.5	10	20.5	12.5	20.5	10.5	6.75	6.75	6.75	6.75	27	57.3684	59.2308	57.3684	53.0769
33	1SV18CV408	Manjula R	25	25	10	15	25	10	15	25	2.5	2.5	2.5	2.5	10	27.5	12.5	27.5	17.5	8.25	8.25	8.25	8.25	33	75.2632	63.8462	75.2632	79.2308
34	1SV18CV409	Mosita R G	25	25	10	15	25	10	15	25	2.5	2.5	2.5	2.5	10	27.5	17.5	27.5	12.5	8.25	8.25	8.25	8.25	33	75.2632	79.2308	75.2632	63.8462
35	1SV18CV410	Nafisa K S	21	21	10	11	21	10	11	21	2.5	2.5	2.5	2.5	10	23.5	12.5	23.5	13.5	6.75	6.75	6.75	6.75	27	63.6316	57.6923	63.6316	60.7692
36	1SV18CV411	Nithin G Y	17	17	10	7	17	10	7	17	2.5	2.5	2.5	2.5	10	19.5	12.5	19.5	9.5	6.75	6.75	6.75	6.75	27	55.2632	59.2308	55.2632	50
37	1SV18CV412	Pavan	22	22	12	10	22	12	10	22	2.5	2.5	2.5	2.5	10	24.5	13.5	24.5	12.5	9.25	9.25	9.25	9.25	37	71.0526	70	73.1579	66.9231
38	1SV18CV413	Sandhyarani B R	17	17	10	7	17	10	7	17	2.5	2.5	2.5	2.5	10	19.5	12.5	19.5	9.5	7.25	7.25	7.25	7.25	29	56.3158	60.7692	56.3158	51.5385
39	1SV18CV414	Shashikant Doddolu	16	16	10	6	16	6	10	16	2.5	2.5	2.5	2.5	10	18.5	12.5	18.5	8.5	8.25	8.25	8.25	8.25	33	60.5263	62.3077	60.5263	50
40	1SV18CV415	Tanveer Kargin	16	16	10	6	16	10	6	16	2.5	2.5	2.5	2.5	10	18.5	12.5	18.5	8.5	7.75	7.75	7.75	7.75	31	55.2632	62.3077	55.2632	50
41	1SV18CV416	Vinu Lakshmi M A	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10	30.5	16.5	30.5	16.5	8	8	8	8	32	81.0526	75.3846	81.0526	75.3846
42	1SV18CV417	Yasna K S	21	21	10	11	21	9	12	21	2.5	2.5	2.5	2.5	10	23.5	12.5	23.5	14.5	5.25	5.25	5.25	5.25	21	60.5263	54.6154	58.4211	60.7692
43	1SV18CV418	Tejaswini N	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10	30.5	16.5	30.5	16.5	8	8	8	8	32	81.0526	75.3846	81.0526	75.3846
44	1SV18CV419	Vinay N K	22	22	10	12	22	9	13	22	2.5	2.5	2.5	2.5	10	24.5	12.5	23.5	15.5	9.5	9.5	9.5	9.5	38	71.5789	67.6923	69.4737	70.9231
		AVERAGE	21	21	11	10	21	10.6977	10.3977	21	2.5	2.5	2.5	2.5	10	23.5	13.5	23.1023	12.8977	7.63462	7.63462	7.63462	7.63462	30.5385	65.5466	63.0296	64.8988	62.8994

Course Instructor

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Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Sira Road, Tumakuru - 572 106. Karnataka.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018- 2019(odd Sem)	Faculty	: Mr. Prakash J
Subject	:Engineering geology	Semester	: 3
Code	: 17CV35		

Course Outcomes	
CO1	Students will able to apply the knowledge of geology and its role in Civil Engineering
CO2	Students will effectively utilize earth's materials such as mineral, rocks and water in civil engineering practices.
CO3	Analyze the natural disasters and their mitigation.
CO4	Assess various structural features and geological tools in ground water exploration, Natural resource estimation and solving civil engineering problems.
CO5	Apply and asses use of building materials in construction and asses their properties

CO-PO Mapping

Cos	Pos											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	2	0	0	0	2	2	1	0	0	0	1
CO2	2	2	0	0	0	2	2	1	0	0	0	1
CO3	2	2	0	0	0	2	2	1	0	0	0	1
CO4	2	2	0	0	0	2	2	1	0	0	0	1
CO5	2	2	0	0	0	2	2	1	0	0	0	1
Average	**2**	**2**	**0**	**0**	**0**	**2**	**2**	**1**	**0**	**0**	**0**	**1**

OVERALL MAPPING OF SUBJECT = 1.67

POs													
COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	40.58	0.81	0.81	0	0	0	0.81	0.81	0.41	0	0	0	0.41	0.68
CO2	51.75	1.04	1.04	0	0	0	1.04	1.04	0.52	0	0	0	0.52	0.87
CO3	59.68	1.19	1.19	0	0	0	1.19	1.19	0.6	0	0	0	0.6	0.99
CO4	68.7	1.37	1.37	0	0	0	1.37	1.37	0.69	0	0	0	0.69	1.14
CO5	70.82	1.42	1.42	0	0	0	1.42	1.42	0.71	0	0	0	0.71	1.18
Average	**58.31**	**1.17**	**1.17**	**0.00**	**0.00**	**0.00**	**1.17**	**1.17**	**0.59**	**0.00**	**0.00**	**0.00**	**0.59**	0.97
												FINIAL ATTAINMENT		**0.97**

Course Instructor

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ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

[2CV55] **Engineering Geology** **Prakash J** **2016-20 Batch**

[SERIAL NO]	[USN NO]	Name of the Student	IA 1			IA2				IA 3				ASSIGNMENT				SEE MARKS					SEE MARKS					CO5 PERCENTAGE				
			CO1	CO2	TOTAL	CO1	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1>=50	CO2>=40	CO3>=50	CO4>=50	CO5>=50
1	1BV17CV001	Aishwarya A Ajavalli	15	14	29	14	13	27	14	14	28	1	1	1	1	1	5	17	16	15	15	15	5.4	5.4	5.4	5.4	5.4	27	77.14	85.45	76.84	78.79	78.79
2	1BV17CV002	Ajul Kumar H R	11	11	22	11	11	22	14	15	29	1	2	2	2	2	10	13	14	13	13	17	6.6	6.6	6.6	6.6	6.6	33	67.59	69.55	67.59	77.93	81.38
3	1BV17CV003	Akanksha M R	15	15	30	15	10	25	14	14	28	1	2	2	2	2	10	17	12	12	15	16	7.2	7.2	7.2	7.2	7.2	36	83.45	89.09	86.21	86.00	86.00
4	1BV17CV007	Amit Mahendrasingh Jala	15	15	29	14	15	29	15	14	29	2	2	2	2	2	10	17	20	17	17	16	7	7	7	7	7	35	82.76	83.82	82.76	82.76	79.31
5	1BV17CV008	Chaganchay K R	14	13	27	10	9	19	10	11	21	2	2	2	2	2	10	18	25	11	13	15	5.4	5.4	5.4	5.4	5.4	27	73.79	69.09	56.55	80.00	83.45
6	1BV17CV007	Harish Ashok V J	14	13	27	13	13	26	14	13	27	2	2	2	2	2	10	18	20	15	18	17	7.6	7.6	7.6	7.6	7.6	38	81.38	80.91	77.93	81.38	84.83
7	1BV17CV008	Jyotsnajoshi Tarodi	10	9	19	13	10	23	14	15	29	1	1	1	1	1	5	12	18	12	13	17	7.6	7.6	7.6	7.6	7.6	38	67.59	58.18	67.59	81.38	84.83
8	1BV17CV010	Lokesh D	7	8	15	7	10	17	9	4	13	2	2	2	2	2	10	9	17	12	11	8	5.2	5.2	5.2	5.2	5.2	26	48.97	50.45	59.31	55.86	58.62
9	1BV17CV011	Nainil Hasan	5	10	15	10	5	15	10	15	25	2	2	2	2	2	10	7	22	5	12	17	6.8	6.8	6.8	6.8	6.8	23	40.00	60.45	55.00	57.24	74.48
10	1BV17CV012	Narasaiyya N K	14	14	28	10	12	22	15	14	29	2	2	2	2	2	10	16	16	14	17	18	2.2	2.2	2.2	2.2	2.2	11	82.76	64.09	55.86	68.21	82.76
11	1BV17CV013	Pavithkumar K R	12	10	22	10	10	20	8	11	17	2	2	2	2	2	10	14	22	12	8	19	2.2	2.2	2.2	2.2	2.2	11	55.86	55.00	48.97	35.17	52.41
12	1BV17CV014	Raja H D	13	10	23	8	9	17	7	10	17	2	2	2	2	2	10	15	20	8	9	12	5.4	5.4	5.4	5.4	5.4	27	92.94	57.73	39.31	48.86	60.00
13	1BV17CV015	Srilok S	14	14	28	6	6	12	14	15	29	2	2	2	2	2	10	18	20	8	10	17	6.6	6.6	6.6	6.6	6.6	33	77.93	60.45	50.34	77.93	81.38
14	1BV17CV016	Soorya H	15	15	30	13	13	26	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10	10	10	10	10	50	93.10	95.45	93.10	93.10	93.10
15	1BV17CV017	Sanjana P H	11	10	22	14	15	29	12	11	23	2	2	2	2	2	10	15	26	17	13	15	5.6	5.6	5.6	5.6	5.6	28	64.14	71.82	77.93	64.14	64.14
16	1BV17CV018	Satish C	13	13	26	13	14	27	14	13	27	2	2	2	2	2	10	15	28	18	18	15	5.4	5.4	5.4	5.4	5.4	27	70.94	75.91	73.79	73.79	70.34
17	1BV17CV019	Shashi Kumar S M	14	15	29	10	13	23	14	13	27	2	2	2	2	2	10	12	27	15	18	15	7	7	7	7	7	35	78.51	77.27	75.86	78.51	75.86
18	1BV17CV021	Shoaib Ahmed	0	0	0	6	7	13	20	11	31	2	2	2	2	2	10	2	8	9	11	15	5.4	5.4	5.4	5.4	5.4	27	25.52	30.45	49.66	60.00	69.45
19	1BV17CV022	Soorya	15	15	30	15	14	29	15	14	29	2	2	2	2	2	10	17	32	16	17	15	5.8	5.8	5.8	5.8	5.8	29	78.62	85.91	75.17	78.62	75.17
20	1BV17CV023	Uday Kumar Gowda B V	15	15	30	13	10	23	13	13	26	2	2	2	2	2	10	17	30	12	15	15	5.6	5.6	5.6	5.6	5.6	28	77.93	83.91	60.69	71.03	71.03
21	1BV17CV024	Vanitha U S	14	15	29	13	14	27	10	7	17	2	2	2	2	2	10	15	30	16	13	9	5.6	5.6	5.6	5.6	5.6	27	73.79	80.45	73.79	80.00	69.66
22	1BV17CV025	M.J.Yogi Vinekin	0	0	0	12	13	25	14	15	29	2	2	2	2	2	10	2	12	15	18	17	7.2	7.2	7.2	7.2	7.2	36	81.72	45.64	76.55	80.00	83.45
23	1BV17CV026	Yasir Tajo M	0	9	9	12	9	21	12	14	26	2	2	2	2	2	10	2	21	11	12	18	7.8	7.8	7.8	7.8	7.8	39	53.79	65.45	64.83	68.28	83.67
24	1BV17CV027	Yunus Khan S.H	0	0	0	10	3	13	14	10	24	2	2	2	2	2	10	1	12	5	16	12	5.2	5.2	5.2	5.2	5.2	26	24.83	30.09	55.17	75.93	58.91
25	1BV18CV400	Ajith Kumar B.N	0	0	0	10	10	20	15	10	25	2	2	2	2	2	10	2	11	12	17	12	6.4	6.4	6.4	6.4	6.4	32	28.97	43.82	63.45	60.69	63.45
26	1BV18CV401	Anusha M	0	0	0	10	5	15	10	13	23	2	2	2	2	2	10	2	12	7	12	15	5.6	5.6	5.6	5.6	5.6	28	18.23	40.00	43.45	60.69	71.03
27	1BV18CV402	Anusha R Thimmareddy	0	0	0	15	15	30	13	13	26	2	2	2	2	2	10	2	17	17	17	17	5.6	5.6	5.6	5.6	5.6	28	42.02	60.45	91.72	91.72	91.72
28	1BV18CV403	Bharathi K	0	0	0	6	7	13	10	8	18	2	2	2	2	2	10	2	2	9	11	10	4.8	4.8	4.8	4.8	4.8	24	13.45	15.45	47.59	57.93	55.03
29	1BV18CV404	Chandini K B	0	0	0	10	8	18	8	10	18	2	2	2	2	2	10	2	12	11	8	12	4.6	4.6	4.6	4.6	4.6	23	22.76	37.73	53.79	43.45	57.24
30	1BV18CV405	Chaturthi M L	3	10	13	10	14	24	15	14	29	2	2	2	2	2	10	5	21	16	17	16	8.8	8.8	8.8	8.8	8.8	41	48.90	68.55	84.83	86.28	84.83
31	1BV18CV406	Gowtami V	0	0	0	11	14	25	10	11	21	2	2	2	2	2	10	2	11	14	13	13	7.8	7.8	7.8	7.8	7.8	39	55.79	47.27	82.07	68.28	75.73
32	1BV18CV407	Kiran P Mavil	0	0	0	10	9	19	10	11	21	2	2	2	2	2	10	2	12	11	12	13	2.2	2.2	2.2	2.2	2.2	11	34.48	32.27	65.52	68.97	52.41
33	1BV18CV408	Manjula K	5	5	10	13	11	24	15	15	30	2	2	2	2	2	10	7	22	15	17	17	7.2	7.2	7.2	7.2	7.2	36	68.97	68.36	89.66	83.45	83.45
34	1BV18CV409	Megha R H	0	0	0	14	13	27	14	13	27	2	2	2	2	2	10	2	16	15	16	15	6.4	6.4	6.4	6.4	6.4	32	28.97	50.91	86.90	77.24	75.79
35	1BV18CV410	Nisha K S	10	10	20	8	10	18	7	10	17	2	2	2	2	2	10	12	30	12	9	12	6.4	6.4	6.4	6.4	6.4	32	93.45	80.00	93.45	93.10	83.45
36	1BV18CV411	Nithin G Y	0	0	0	10	9	19	11	10	21	2	2	2	2	2	10	2	11	11	11	15	5.8	5.8	5.8	5.8	5.8	29	28.90	46.45	57.93	64.83	61.38
37	1BV18CV412	Pavan	0	0	0	12	8	19	13	14	27	2	2	2	2	2	10	2	13	10	15	18	7.6	7.6	7.6	7.6	7.6	38	33.10	48.82	60.69	77.93	83.38
38	1BV18CV413	Vasudevamurthi B R	0	0	0	4	14	18	13	14	27	2	2	2	2	2	10	2	6	16	15	16	7.4	7.4	7.4	7.4	7.4	37	13.41	30.45	86.88	77.24	80.68
39	1BV18CV414	Shashikant Dodderi	0	0	0	13	9	22	12	10	22	2	2	2	2	2	10	2	15	2	14	12	4.6	4.6	4.6	4.6	4.6	23	22.76	44.55	22.76	64.14	57.24
40	1BV18CV415	Sharan Kamal	0	0	0	10	7	17	15	15	26	2	2	2	2	2	10	2	12	9	15	15	5.2	5.2	5.2	5.2	5.2	26	24.83	39.09	48.97	68.86	68.66
41	1BV18CV416	Sree Lakshmi M A	13	14	27	15	13	28	14	14	28	2	2	2	2	2	10	15	31	15	15	15	8	8	8	8	8	40	79.31	88.64	79.31	82.76	82.76
42	1BV18CV417	Vanu S.S	8	10	18	10	8	18	8	10	18	2	2	2	2	2	10	10	22	10	9	8	5.8	5.8	5.8	5.8	5.8	29	34.48	83.18	34.48	47.59	61.38
43	1BV18CV418	Tejaswini N	10	9	19	10	4	14	14	15	29	2	2	2	2	2	10	11	11	9	16	17	6.6	6.6	6.6	6.6	6.6	33	64.14	61.73	43.45	77.93	83.38
44	1BV18CV419	Vinay H K	0	0	0	14	13	27	14	15	29	2	2	2	2	2	10	2	16	15	16	17	8.2	8.2	8.2	8.2	8.2	41	35.17	55.00	80.00	85.45	86.90
		AVERAGE	3.54	3.69	7.23	10.82	9.88	20.70	11.49	12.31	24.06	2.00	2.00	2.00	2.00	2.00	10.00	5.54	16.54	11.88	13.69	14.31	6.23	6.23	6.23	6.23	6.23	31.15	60.58	61.75	59.68	68.78	70.92

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year :2018-19 (ODD Sem) **Faculty** : Dr. Mahesh Kumar G

Subject: Building Materials and Construction													**SubjectCode:**17CV36
Course Outcomes													
CO1	Select suitable materials for buildings and adopt suitable construction techniques.												
CO2	Adopt suitable repair and maintenance work to enhance durability of buildings												
CO-PO-PSO Mapping													
COs	**POs**												
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	1	1	3	1	2	3	3	3	3	3	3	3	
CO2	1	1	3	1	2	3	3	3	3	3	3	3	
Average	1	1	3	1	2	3	3	3	3	3	3	3	
OVERALL MAPPING OF SUBJECT = 2.4													

		PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	
CO1	31.4	0.31	0.31	0.94	0.31	0.63	0.94	0.94	0.94	0.94	0.942	0.94	0.94	0.76
CO2	28.3	0.28	0.28	0.85	0.28	0.57	0.85	0.85	0.85	0.85	0.849	0.85	0.85	0.68
Avg		**0.3**	**0.3**	**0.9**	**0.299**	**0.6**	**0.9**	**0.896**	**0.896**	**0.9**	**0.896**	**0.896**	**0.896**	**0.72**
													FINIAL ATTAINMENT	**0.72**

Course Instructor

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Academic Year 2018-19

SEM: V Civil

BM&C 17CV36

USN	IA TEST 1			IA TEST 2			IA TEST 3						Asmt	CIE			SEE	G TOT	80	80		
	CO1	CO2	TOT	CO1	CO2	TOT	CO1	CO2	TOT	AVE(30)	CO1	CO2			CO1	CO2			CO1	CO2	CO1	CO2
1SV17CV001	14	13	27	14	13	27	14	13	27	27	5	5	10	37	11	11	22	59	58	55	72.5	68.8
1SV17CV002	14	13	27	14	13	27	14	13	27	27	5	5	10	37	15	15	30	67	62	59	77.5	73.8
1SV17CV004	10	10	20	10	10	20	10	10	20	20	5	5	10	30	11	10	21	51	46	45	57.5	56.3
1SV17CV005	13	13	26	13	13	26	13	13	26	26	5	5	10	36	19	19	38	74	63	63	78.8	78.8
1SV17CV006	13	12	25	13	12	25	13	12	25	25	5	5	10	35	8	7	15	50	52	48	65	60
1SV17CV007	13	13	26	13	13	26	13	13	26	26	5	5	10	36	11	10	21	57	55	54	68.8	67.5
1SV17CV008	11	10	21	11	10	21	11	10	21	21	5	5	10	31	12	11	23	54	50	46	62.5	57.5
1SV17CV010	13	12	25	13	12	25	13	12	25	25	5	5	10	35	11	10	21	56	55	51	68.8	63.8
1SV17CV011	11	11	22	11	11	22	11	11	22	22	5	5	10	32	12	11	23	55	50	49	62.5	61.3
1SV17CV012	11	10	21	11	10	21	11	10	21	21	5	5	10	31	6	6	12	43	44	41	55	51.3
1SV17CV013	9	8	17	9	8	17	9	8	17	17	5	5	10	27	11	10	21	48	43	39	53.8	48.8
1SV17CV014	12	11	23	12	11	23	12	11	23	23	5	5	10	33	13	12	25	58	54	50	67.5	62.5
1SV17CV015	9	8	17	9	8	17	9	8	17	17	5	5	10	27	5	4	9	36	37	33	46.3	41.3
1SV17CV016	13	13	26	13	13	26	13	13	26	26	5	5	10	36	16	15	31	69	60	59	75	73.8
1SV17CV017	11	11	22	11	11	22	11	11	22	22	5	5	10	32	13	12	25	57	51	50	63.8	62.5
1SV17CV018	14	14	28	14	14	28	14	14	28	28	5	5	10	38	15	14	29	67	62	61	77.5	76.3
1SV17CV019	14	13	27	14	13	27	14	13	27	27	5	5	10	37	17	17	34	71	64	61	80	76.3
1SV17CV021	11	10	21	11	10	21	11	10	21	21	5	5	10	31	8	7	15	46	46	42	57.5	52.5
1SV17CV022	15	14	29	15	14	29	15	14	29	29	5	5	10	39	15	14	29	68	65	61	81.3	76.3
1SV17CV023	14	13	27	14	13	27	14	13	27	27	5	5	10	37	21	20	41	78	68	64	85	80
1SV17CV024	11	11	22	11	11	22	11	11	22	22	5	5	10	32	12	12	24	56	50	50	62.5	62.5
1SV17CV025	13	12	25	13	12	25	13	12	25	25	5	5	10	35	12	11	23	58	56	52	70	65
1SV17CV026	13	12	25	13	12	25	13	12	25	25	5	5	10	35	11	10	21	56	55	51	68.8	63.8
1SV17CV027	13	13	26	13	13	26	13	13	26	26	5	5	10	36	15	14	29	65	59	58	73.8	72.5
1SV18CV400	14	13	27	14	13	27	14	13	27	27	5	5	10	37	13	13	26	63	60	57	75	71.3
1SV18CV401	14	14	28	14	14	28	14	14	28	28	5	5	10	38	12	11	23	61	59	58	73.8	72.5
1SV18CV402	15	14	29	15	14	29	15	14	29	29	5	5	10	39	17	16	33	72	67	63	83.8	78.8
1SV18CV403	12	11	23	12	11	23	12	11	23	23	5	5	10	33	11	10	21	54	52	48	65	60
1SV18CV404	10	10	20	10	10	20	10	10	20	20	5	5	10	30	11	10	21	51	46	45	57.5	56.3
1SV18CV405	11	10	21	11	10	21	11	10	21	21	5	5	10	31	15	15	30	61	53	50	66.3	62.5
1SV18CV406	13	13	26	13	13	26	13	13	26	26	5	5	10	36	12	12	24	60	56	56	70	70
1SV18CV407	13	12	25	13	12	25	13	12	25	25	5	5	10	35	16	16	32	67	60	57	75	71.3
1SV18CV408	15	14	29	15	14	29	15	14	29	29	5	5	10	39	21	20	41	80	71	67	88.8	83.8
1SV18CV409	14	14	28	14	14	28	14	14	28	28	5	5	10	38	12	12	24	62	59	59	73.8	73.8
1SV18CV410	12	12	24	12	12	24	12	12	24	24	5	5	10	34	12	11	23	57	53	52	66.3	65
1SV18CV411	13	13	26	13	13	26	13	13	26	26	5	5	10	36	15	14	29	65	59	58	73.8	72.5
1SV18CV412	12	12	24	12	12	24	12	12	24	24	5	5	10	34	17	16	33	67	58	57	72.5	71.3
1SV18CV413	13	13	26	13	13	26	13	13	26	26	5	5	10	36	12	12	24	60	56	56	70	70
1SV18CV414	12	12	24	12	12	24	12	12	24	24	5	5	10	34	12	12	24	58	53	53	66.3	66.3
1SV18CV415	14	13	27	14	13	27	14	13	27	27	5	5	10	37	12	11	21	58	59	55	73.8	68.8
1SV18CV416	15	14	29	15	14	29	15	14	29	29	5	5	10	39	23	22	45	84	73	69	91.3	86.3
1SV18CV417	14	13	27	14	13	27	14	13	27	27	5	5	10	37	13	12	25	62	60	56	75	70
1SV18CV418	14	14	28	14	14	28	14	14	28	28	5	5	10	38	13	13	26	64	60	60	75	75
1SV18CV419	15	15	30	15	15	30	15	15	30	30	5	5	10	40	20	19	39	79	70	69	87.5	86.3
TOTAL	560	536	1096	560	536	1096	560	536	1096	1096	220	220	440	1536	589	559	1146	2684	2489	2387	3111	2984
Students	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Average	12.73	12.2	24.9	12.7	12.2	24.9	12.7	12.18	24.91	24.91	5	5	10	34.9	13.4	12.7	26.05	61	56.6	54.25	70.7	67.8

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19(ODD Sem)	Faculty	: Mr. Vinuthan V R
Subject	:Design of RC Structural Elements	Semester	: 5
Code	: 15CV51		

Subject: DESIGN OF RC structural elements		Subject Code:15CV51
	Course Outcomes	
CO1	understand the design philosophy and principles	
CO2	solve engineering problems of RC elements subjected to flexure, shear and torsion	
CO3	demonstrate the procedural knowledge in designs of RC structural elements such as slabs, columns and footings	
CO4	owns professional and ethical responsibility	

CO-PO-Mapping												
	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	3	0	0	0	1	1	1	0	1	0	1
CO2	3	3	0	0	0	1	1	1	0	1	0	1
CO3	3	3	0	0	0	1	1	1	0	1	0	1
CO4	3	3	0	0	0	1	1	1	0	1	0	1
Average	3	3	0	0	0	1	1	1	0	1	0	1
												OVERALL MAPPING OF SUBJECT = 1.57

CO-PO ATTAINMENT														
COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	51.95	1.56	1.56	0	0	0	0.52	0.52	0.52	0	0.52	0	0.52	0.82
CO2	43.78	1.31	1.31	0	0	0	0.44	0.44	0.44	0	0.44	0	0.44	0.69
CO3	53.43	1.60	1.60	0	0	0	0.53	0.53	0.53	0	0.53	0	0.53	0.84
CO4	45.39	1.36	1.36	0	0	0	0.45	0.45	0.45	0	0.45	0	0.45	0.71
Avg	48.64	1.46	1.46	0.00	0.00	0.00	0.49	0.49	0.49	0.00	0.49	0.00	0.49	0.76
													FINIAL ATTAINMENT	0.76

Course Instructor

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15cv51 2018-19

USN NO	IA 1		IA2			IA3			ASSINGMENT					CIE MARKS				SIE MARKS					COS PERCENTAGE			
	CO1	TOTAL	CO2	CO1	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	SIE	CO1=36.2	29.25	CO3=35.2	CO4=29.2
1SV15CV006	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	5.25	5.25	5.25	5.25	21	51.0345	42.735	52.4823	42.735
1SV15CV007	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	14.25	8.25	7	7	7	7	28	58.6207	52.1368	60.2837	52.1368
1SV15CV015	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	5	5	5	5	20	44.8276	38.4615	46.0993	38.4615
1SV15CV029	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	7.5	7.5	7.5	7.5	30	62.7586	53.8462	64.539	53.8462
1SV15CV041	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	5.5	5.5	5.5	5.5	14	40.6897	33.3333	41.844	33.3333
1SV15CV045	9	9	5	4	9	4	5	9	1.25	1.25	1.25	1.25	5	10.25	6.25	10.25	6.25	8	8	8	8	32	50.3448	48.7179	51.773	48.7179
1SV15CV046	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	8.5	8.5	8.5	8.5	34	60	53.8462	61.7021	53.8462
1SV15CV051	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	4	4	4	4	16	47.5862	38.4615	48.9362	38.4615
1SV15CV054	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	7.5	7.5	7.5	7.5	30	51.7241	47.0085	53.1915	47.0085
	11.3333	11.3333	5.77778	5.55556	11.3333	5.55556	5.77778	11.3333	1.25	1.25	1.25	1.25	5	12.5833	7.02778	12.5833	7.02778	6.25	6.25	6.25	6.25	25	51.954	43.7797	53.4279	45.3941

Course instructor

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(even Sem)**	**Faculty**	**: Mr. Manogna H N**
Subject	:ANALYSIS OF INDETERMINATE STRUCTURES	**Semester**	: 5
Code	: 15CV52		

COURSE OUTCOME

CO1. Determine the moment in indeterminate beams and frames having variable moment of inertia and subsidence using slope defection method

CO2. Determine the moment in indeterminate beams and frames of no sway and sway using moment distribution method.

CO3. Construct the bending moment diagram for beams and frames by Kani's method.

CO4. Construct the bending moment diagram for beams and frames using flexibility method

CO5. Analyze the beams and indeterminate frames by system stiffness method.

CO & PO MAPPING												
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	3	3										1
CO2	3	3										1
CO3	3	3										1
CO4	3	3										1
CO5	3	3										1
AVERAGE	3	3										1
OVERALL MAPPING OF SUBJECT												**2.33**

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	54.58	1.64	1.64										0.55
CO2	47.48	1.42	1.42										0.47
CO3	47.48	1.42	1.42										0.47
CO4	47.48	1.42	1.42										0.47
CO5	47.48	1.42	1.42										0.47
aVERAGE	48.90	1.47	1.47										0.49
Final attainment level													1.14

Course Instructor

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15CV52

Subject: ANALYSIS OF INDETERMINATE STRUCTURES

2018-19

SL NO	USN	IA 1	IA 2		IA 3		ASSIGNMENT MARKS					SEE 80 marks	SEE				
		CO1 15 marks	CO2 7.5mark	CO3 7.5mark	CO4 7.5marks	CO5 7.5mark	CO1	CO1	CO3	CO4	CO5		CO1	CO2	CO3	CO4	CO5
1	1SV15CV006	13	6.50	6.5	6.5	6.5	1	1	1	1	1	25	3	3	3	3	3
2	1SV15CV007	14	7.00	7	7	7	1	1	1	1	1	25	4.2	4.2	4.2	4.2	4.2
3	1SV15CV015	10	5.00	5	5	5	1	1	1	1	1	25	5	5	5	5	5
4	1SV15CV029	13	6.50	6.5	6.5	6.5	1	1	1	1	1	29	5.8	5.8	5.8	5.8	5.8
5	1SV15CV041	12	6.00	6	6	6	1	1	1	1	1	19	3.8	3.8	3.8	3.8	3.8
6	1SV15CV045	7	3.50	3.5	3.5	3.5	1	1	1	1	1	17	3.4	3.4	3.4	3.4	3.4
7	1SV15CV046	14	7.00	7	7	7	1	1	1	2	1	53	10.6	10.6	10.6	10.6	10.6
8	1SV15CV051	13	6.50	6.5	6.5	6.5	1	1	1	1	1	28	5.6	5.6	5.6	5.6	5.6
9	1SV15CV054	9	4.50	4.5	4.5	4.5	1	1	1	1	1	9	1.8	1.8	1.8	1.8	1.8
													avg				

TOTAL COs ATTAINMENT

CO1 32 MARKS	CO2 24.5 MARKS	CO3 24.5 MARKS	CO4 24.5 MARKS	CO5 24.5 MARKS
0.53	0.43	0.43	0.43	0.43
0.60	0.50	0.50	0.50	0.50
0.50	0.45	0.45	0.45	0.45
0.62	0.54	0.54	0.54	0.54
0.53	0.44	0.44	0.44	0.44
0.36	0.32	0.32	0.32	0.32
0.80	0.76	0.76	0.76	0.76
0.61	0.53	0.53	0.53	0.53
0.37	0.30	0.30	0.30	0.30
0.55	0.47	0.47	0.47	0.47
3	3	3	3	3
1.84	1.42	1.42	1.42	1.42

PERCENTAGE OF TOTAL COS ATTAINMENT

CO1	CO2	CO3	CO4	CO5
53.13	42.86	42.86	42.86	42.86
60.00	49.80	49.80	49.80	49.80
50.00	44.90	44.90	44.90	44.90
61.88	54.29	54.29	54.29	54.29
52.50	44.08	44.08	44.08	44.08
35.63	32.24	32.24	32.24	32.24
80.00	75.92	75.92	75.92	75.92
61.25	53.47	53.47	53.47	53.47
36.88	29.80	29.80	29.80	29.80
54.58	47.48	47.48	47.48	47.48
3	3	3	3	3

Course Instructor

MANOGNA-H.M.

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SIET., TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year :2018-19 (ODD Sem) **Faculty** : Dr. G Mahesh Kumar

Subject: Applied Geotechnical Engineering												**SubjectCode:**15CV53
Course Outcomes												
CO1	Ability to plan and execute geotechnical site investigation program for different civil engineering projects											
CO2	Understanding of stress distribution and resulting settlement beneath the loaded footings on sand and clayey soils											
CO3	Ability to estimate factor of safety against failure of slopes and to compute lateral pressure distribution behind earth retaining structures											
CO4	Ability to determine bearing capacity of soil and achieve proficiency in proportioning shallow isolated and combined footings for uniform bearing pressure											
CO5	Capable of estimating load carrying capacity of single and group of piles											
CO-PO-PSO Mapping												
COs	**POs**											
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	3	3	3	3	1	2	2	3	3	2	3	3
CO2	3	3	3	2	1	3	2	3	3	3	3	3
CO3	3	3	3	2	1	3	2	3	3	3	3	3
CO4	3	3	3	3	3	3	2	3	2	2	2	3
CO5	3	3	3	3	3	3	2	3	2	2	2	3
AVG	**3**	**3**	**3**	**3**	**3**	**3**	**2**	**3**	**2**	**2**	**2**	**3**
OVERALL MAPPING OF SUBJECT =												**2.1**

	%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO1	8.4	0.25	0.25	0.25	0.25	0.08	0.17	0.17	0.25	0.25	0.17	0.25	0.25	0.22
CO2	4.2	0.13	0.13	0.13	0.08	0.04	0.13	0.08	0.13	0.13	0.13	0.13	0.13	0.11
CO3	4.1	0.12	0.12	0.12	0.08	0.04	0.12	0.08	0.12	0.12	0.12	0.12	0.12	0.11
CO4	4.3	0.13	0.13	0.13	0.13	0.13	0.13	0.09	0.13	0.09	0.09	0.09	0.13	0.11
CO5	4	0.12	0.12	0.12	0.12	0.12	0.12	0.08	0.12	0.08	0.08	0.08	0.12	0.11
Average		0.15	0.15	0.15	0.13	0.08	0.13	0.1	0.15	0.13	0.12	0.13	0.15	**0.13**

Course Instructor

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ACADEMIC 2018-19 (ODD) AGE 15CV..5

SEM: V Civil

	IA TEST 1			IA TEST 2			IA TEST 3										20						80		33	24	24	24	24					
USN	CO1	CO2	TOTAL	CO1	CO3	TOTAL	CO4	CO5	TOTAL	AVE(20)	CO1	CO2	CO3	CO4	CO5	Asmt	CIE	CO1	CO2	CO3	CO4	CO5	SEE	G TC	CO1	CO2	CO3	CO4	CO5		CO1	CO2	CO3	CO4	CO5
1SV15CV006	6	5	11	6	7	13	7	7	14	14	1	1	1	1	1	5	19	6	3	3	3	3	18	37	19	9	11	11	11		58	38	46	46	46
1SV15CV007	7	7	14	5	4	9	4	3	7	12	1	1	1	1	1	5	17	8	5	5	5	5	28	45	21	13	10	10	9		64	54	42	42	38
1SV15CV015	7	7	14	7	7	14	2	1	3	14	1	1	1	1	1	5	19	9	7	7	7	7	37	56	24	15	15	10	9		73	63	63	42	38
1SV15CV029	7	7	14	7	7	14	2	2	4	14	1	1	1	1	1	5	19	8	6	6	6	6	32	51	23	14	14	9	9		70	58	58	38	38
1SV15CV041	8	7	15	5	6	11	6	6	12	14	1	1	1	1	1	5	19	7	6	6	6	6	31	50	21	14	13	13	13		64	58	54	54	54
1SV15CV045	7	7	14	6	5	11	2	1	3	13	1	1	1	1	1	5	18	5	4	4	4	4	21	39	19	12	10	7	6		58	50	42	29	25
1SV15CV046	7	7	14	5	6	11	3	3	6	13	1	1	1	1	1	5	18	8	8	8	8	8	40	58	21	16	15	12	12		64	67	63	50	50
1SV15CV051	8	7	15	5	5	10	6	6	12	14	1	1	1	1	1	5	19	6	6	6	6	4	28	47	20	14	12	13	11		61	58	50	54	46
1SV15CV054	7	7	14	3	3	6	2	1	3	10	1	1	1	1	1	5	15	3	3	3	3	3	15	30	14	11	7	6	5		42	46	29	25	21
TOTAL	64	61	125	49	50	99	34	30	64	118	9	9	9	9	9	45	163	60	48	48	48	46	250	413	182	118	107	91	85		552	492	446	379	354
Students	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Average	7.1	6.8	13.89	5.4	5.6	11	3.8	3.3	7.11	13.11	1	1	1	1	1	5	18.1	6.7	5.3	5.3	5.3	5.1	28	46	20	13	12	10	9.4	0	61	55	50	42	39

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018- 19(odd Sem)	Faculty	: Mr. Prakash J
Subject	:Railway, Harbours, Tunnelling & Airports	Semester	: 5
Code	: 15CV552		

Course Outcomes	
CO1	Acquires capability of choosing alignment and also design geometric aspects of railway system, runway and taxiway.
CO2	Suggest and estimate the material quantity required for laying a railway track and also will be able to determine the hauling capacity of a locomotive.
CO3	Develop layout plan of airport, harbor, dock and will be able relate the gained knowledge to identify required type of visual and/or navigational aids for the same.
CO4	Apply the knowledge gained to conduct surveying, understand the tunneling activities.

CO-PO Mapping												
	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2	0	0	0	0	1	1	0	0	0	1
CO2	3	2	0	0	0	1	0	1	0	0	0	1
CO3	3	2	0	0	0	1	1	1	0	0	0	1
CO4	3	2	0	0	0	1	1	1	0	0	0	1
Average	3	2	0	0	0	1	1	1	0	0	0	1
OVERALL MAPPING OF SUBJECT = 0.56												

CO-PO ATTAINMENT														
		POs												
COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	71.26	2.14	1.43	0	0	0	0	0.71	0.71	0	0	0	0.71	1.14
CO2	57.93	1.74	1.16	0	0	0	0.58	0	0.6	0	0	0	0.6	0.94
CO3	65.09	1.95	1.3	0	0	0	0.65	0.65	0.65	0	0	0	0.65	0.98
CO4	44.25	0.89	0.89	0	0	0	0.44	0.44	0.44	0	0	0	0.44	0.59
Average	59.63	1.68	1.2	0	0	0	0.56	0.6	0.6	0	0	0	0.6	0.87
FINIAL ATTAINMENT														0.91

Course Instructor

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SUB CODE:15CV552 RAILWAY HARBAN TUNN V SEM PRAKASH J 2018-19

SL/No	USN NO	Name of the Student	IA 1		IA2			IA3			ASSINGMENT					CIE MARKS				SE MARKS				SEE	CO PERCENTAGE			
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4		CO1=36.2	29.25	CO3=35.2	CO4=29.2
1	1SV15CV006	Aazamgeb alam ansari	10	10	6	7	13	7	7	14	1.25	1.25	1.25	1.25	5	11.25	7.25	15.25	8.25	9.5	9.5	9.5	9.5	38	57.24	57.26	70.21	60.68
2	1SV15CV007	Azimullakhan D	13	13	8	6	14	2	4	6	1.25	1.25	1.25	1.25	5	14.25	9.25	9.25	5.25	7	7	7	7	28	58.62	55.56	46.10	41.88
3	1SV15CV015	Ganesh S.D	6	6	7	6	12	6	8	14	1.25	1.25	1.25	1.25	5	7.25	8.25	13.25	9.25	10.25	10.25	10.25	10.25	41	48.28	63.25	66.67	66.67
4	1SV15CV029	Lakshmi sagar B	12	12	8	6	14	7	7	14	1.25	1.25	1.25	1.25	5	13.25	9.25	14.25	8.25	11.25	11.25	11.25	11.25	45	67.59	70.09	72.34	66.67
5	1SV15CV041	Pallavi B	15	15	8	7	15	1	5	6	1.25	1.25	1.25	1.25	5	16.25	9.25	9.25	6.25	9.5	9.5	9.5	9.5	38	71.03	64.10	53.19	53.85
6	1SV15CV045	Rakshith J	11	11	6	7	13	0	0	0	1.25	1.25	1.25	1.25	5	12.25	7.25	8.25	1.25	5.75	5.75	5.75	5.75	23	40.66	44.44	39.72	23.93
7	1SV15CV046	Rakshith .R.D	12	12	7	6	13	5	7	12	1.25	1.25	1.25	1.25	5	13.25	8.25	12.25	8.25	14.25	14.25	14.25	14.25	57	75.86	70.92	75.18	76.92
8	1SV15CV051	Sindhu S	15	15	8	7	15	3	4	7	1.25	1.25	1.25	1.25	5	16.25	9.25	11.25	5.25	11	11	11	11	44	75.17	69.23	63.12	55.56
9	1SV15CV054	Somaragouda Biradar	11	11	7	6	13	3	5	8	1.25	1.25	1.25	1.25	5	12.25	8.25	10.25	6.25	9.25	9.25	9.25	9.25	37	59.31	59.83	55.32	52.99
																									71.26	57.93	65.09	44.25

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	ELEMENTS OF CIVIL ENGINEERING AND MECHANICS	SUBJECT CODE	18C1V14/24

COURSE OUTCOME

CO1. Mention the applications of various fields of Civil Engineering

CO2. Compute the resultant of given force system subjected to various loads

CO3. Comprehend the action of forces, moments and other loads on systems of rigid bodies and compute the reactive forces that develop as a result of the external loads.

CO4. Locate the centroid and compute the moment of inertia of regular and built-up sections

CO5. Express the relationship between the motions of bodies and analyze the bodies in motion

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. C. NAGARAJA				
BRANCH	CIVIL ENGINEERING	ACADEMIC YEAR	2018-19		
COURSE	B.E	SEMESTER	1	SECTION	A
SUBJECT	ELEMENTS OF CIVIL ENGINEERING AND MECHANICS	SUBJECT CODE	18CIV14/24		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1						3	2					1
CO2	2	3	2									1
CO3	2	3	2									1
CO4	2	2	3									1
CO5	2	2	2	3								1
AVERAGE	2	2.5	2.25	3		3	2					1
OVERALL MAPPING OF SUBJECT												2.25

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	58.04	0.00	0.00	0.00	0.00	0.00	1.74	1.16	0.00	0.00	0.00	0.00	0.58
CO2	50.88	1.02	1.53	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51
CO3	54.87	1.10	1.65	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55
CO4	54.48	1.09	1.09	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54
CO5	66.36	1.33	1.33	1.33	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66
Avg.	56.93	0.91	1.12	1.02	0.40	0.00	0.35	0.23	0.00	0.00	0.00	0.00	0.57
Final attainment level of the course													0.63

C. Nagaraja
Course Instructor

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19(odd Sem)	**Faculty**	:Mrs. Supriya C B
Subject	:Traffic ENGINNERING	**Semester**	: 5
Code	: 15CV561		

Course Outcomes	
CO1	Understand the human factors and vehicular factors in traffic engineering design.
CO2	Conduct different types of traffic surveys and analysis of collected data using statistical concepts.
CO3	Use an appropriate traffic flow theory and to comprehend the capacity & signalized intersection analysis.
CO4	Understand the basic knowledge of Intelligent Transportation System.

CO-PO Mapping

COs	POs											
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	3	2	0	0	0	0	1	0	0	0	0	1
CO2	2	2	2	0	0	1	0	1	0	0	0	1
CO3	3	2	2	0	0	0	1	0	0	0	0	1
CO4	2	2	0	2	0	1	1	0	0	0	0	1
Average	**2**	**2**	**2**	**2**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**1**
OVERALL MAPPING OF SUBJECT												**1.50**

CO-PO ATTAINMENT

COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	59.08	1.77	1.18	0	0	0	0	0.59	0	0	0	0	0.59	1.03
CO2	51.04	1.02	1.02	0	0	0	0.51	0	0.51	0	0	0	0.51	0.71
CO3	60.76	1.82	1.22	0	0	0	0	0.61	0	0	0	0	0.61	1.06
CO4	51.95	1.04	1.04	0	0	0	0.52	0.52	0	0	0	0	0.52	0.73
Average	**55.71**	**1.41**	**1.11**	**0.00**	**0.00**	**0.00**	**0.26**	**0.43**	**0.13**	**0.00**	**0.00**	**0.00**	**0.56**	**0.50**
FINIAL ATTAINMENT														0.88

Course Instructor

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SUB CODE:15CV56 V SEM Mrs.S[illegible]

Sl./No	USN NO	Name of the Student	IA 1		IA2			IA3			ASSIGNMENT					CIE MARKS				SEE MARKS					CO5 PERCENTAGE			
			CO1	TOTAL	CO2	CO5	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	SEE	CO1>36	29.25	CO3>35	CO4>29.2
1	1SV15CV006	[illegible]	13	13	6	7	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	7.25	14.25	8.25	8.1	8.1	8.1	8.1	34	62.70	51.80	64.34	57.20
2	1SV15CV007	[illegible]	13	13	7	6	13	7	6	13	1.25	1.25	1.25	1.25	5	14.25	8.25	14.25	7.25	7	7	7	7	28	58.62	52.14	60.28	49.72
3	1SV15CV013	Ganesh S.D	13	13	7	6	13	7	6	13	1.25	1.25	1.25	1.25	5	14.25	8.25	14.25	7.25	8.1	8.1	8.1	8.1	34	62.70	57.20	64.34	57.80
4	1SV15CV029	Lakshmi sagar B	14	14	8	6	14	8	6	14	1.25	1.25	1.25	1.25	5	15.25	9.25	15.25	7.25	7.1	7.1	7.1	7.1	30	62.70	57.20	64.34	50.47
5	1SV15CV041	Pallavi B	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	5.1	5.1	5.1	5.1	14	40.69	33.33	41.84	35.33
6	1SV15CV045	Rakshith J	9	9	5	4	9	5	4	9	1.25	1.25	1.25	1.25	5	10.25	6.25	10.25	5.25	8	8	8	8	32	50.34	48.72	51.77	43.70
7	1SV15CV046	Rakshith S.D	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13.25	13.25	13.25	13.25	44	70.02	70.92	80.81	70.92
8	1SV15CV051	Sindhu S	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	4	4	4	4	16	47.89	38.80	48.34	39.80
9	1SV15CV054	Sowmyasrivalli Biradar	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11.25	11.25	11.25	11.25	45	67.80	63.25	69.56	63.25
		AVERAGE	12.00	12.00	6.22	5.78	12.00	6.22	5.78	12.00	1.25	1.25	1.25	1.25	5.00	13.25	7.47	13.25	7.03	8.17	8.17	8.17	8.17	32.67	59.88	51.84	60.78	51.95

Supriya.CB

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19 (Odd Sem)**	**Faculty**	**:Ms. Ramya D L**
Subject	:Municipal and Industrial Waste Water Engineering	**Semester**	: 7
Code	: 15CV71		

Subject: Municipal and Industrial Waste Water Engineering		**Subject Code:15CV71**
Course Outcomes		
CO1	Acquires capability to design sewer and Sewerage treatment plant.	
CO2	Evaluate degree of treatment and type of treatment for disposal, reuse and recycle.	
CO3	Identify waste streams and design the industrial waste water treatment plant.	
CO4	Manage sewage and industrial effluent issues.	

CO-PO Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**0**	**0**	**12**
CO1	2	2	0	0	0	2	2	2	0	0	0	1
CO2	2	2	0	0	0	2	2	2	0	0	0	1
CO3	2	2	0	0	0	2	2	2	0	0	0	1
CO4	2	2	0	0	0	2	2	2	0	0	0	1
Average	**2**	**2**	**0**	**0**	**0**	**2**	**2**	**2**	**0**	**0**	**0**	**1**

OVERALL MAPPING OF SUBJECT = 1.35

CO-PO ATTAINMENT

COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	75.23	1.50	1.50	0	0	0	1.50	1.50	1.50	0	0	0	0.75	1.38
CO2	71.14	1.42	1.42	0	0	0	1.42	1.42	1.42	0	0	0	0.71	1.30
CO3	76.49	1.53	1.53	0	0	0	1.53	1.53	1.53	0	0	0	0.76	1.40
CO4	71.14	1.42	1.42	0	0	0	1.42	1.42	1.42	0	0	0	0.71	1.30
Average	**73.50**	**1.47**	**1.47**	**0.00**	**0.00**	**0.00**	**1.47**	**1.47**	**1.47**	**0.00**	**0.00**	**0.00**	**0.74**	**1.35**
													FINIAL ATTAINMENT	0.92

Course Instructor

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Sl. No	USN NO	Name of the Student	IA 1 CO1	IA 1 TOTAL	IA2 CO2	IA2 CO3	IA2 TOTAL	IA3 CO3	IA3 CO4	IA3 TOTAL	ASSIGNMENT CO1	ASSIGNMENT CO2	ASSIGNMENT CO3	ASSIGNMENT CO4	ASSIGNMENT TOTAL	CIE MARKS CO1	CIE MARKS CO2	CIE MARKS CO3	CIE MARKS CO4	SEE MARKS CO1	SEE MARKS CO2	SEE MARKS CO3	SEE MARKS CO4	SEE	CO PERCENTAGE CO1=36.25	CO2=29.25	CO3=35	CO4=29.25
1	1SV14CV066	Venkatesh S	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	10.5	10.5	10.5	10.5	42	65.5172	60.6838	67.3759	60.6838
2	1SV15CV001	Aparkumar R	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13.75	13.75	13.75	13.75	55	74.4828	71.7949	76.5957	71.7949
3	1SV15CV002	Anirudha K N	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	12	12	12	12	48	77.931	72.6496	77.305	72.6496
4	1SV15CV003	Atul Prasad Timsina	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16.25	16.25	16.25	16.25	65	89.6552	87.1795	89.3617	87.1795
5	1SV15CV004	Ayush Upadhyay	11	11	5	6	11	6	5	11	1.25	1.25	1.25	1.25	5	12.25	6.25	13.25	6.25	13.5	13.5	13.5	13.5	54	71.0345	67.5214	75.8865	67.5214
6	1SV15CV008	Bhishma Kumar Lamba	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14	14	14	14	56	83.4483	79.4872	82.9787	79.4872
7	1SV15CV009	Bikram Khatri	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15	15	15	15	60	86.2069	82.906	85.8156	82.906
8	1SV15CV010	Bishwas Dawadi	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11.75	11.75	11.75	11.75	47	68.9655	64.9573	70.922	64.9573
9	1SV15CV011	Chaithra V G	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14.5	14.5	14.5	14.5	58	84.8276	81.1966	84.3972	81.1966
10	1SV15CV012	Chinnakumar K H	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	8.75	8.75	8.75	8.75	35	63.4483	58.1197	62.4113	58.1197
11	1SV15CV013	Dhanush H M	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	8	8	8	8	32	61.3793	55.5556	60.2837	55.5556
12	1SV15CV014	Hangsham Roshni Devi	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	11.5	11.5	11.5	11.5	46	76.5517	70.9402	75.8865	70.9402
13	1SV15CV016	Hemanth K N	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16.75	16.75	16.75	16.75	67	91.0345	88.8889	90.7801	88.8889
14	1SV15CV017	Hithendra S	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12	12	12	12	48	75.1724	69.2308	77.305	69.2308
15	1SV15CV018	Jahnavi S J	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14.5	14.5	14.5	14.5	58	84.8276	81.1966	84.3972	81.1966
16	1SV15CV021	Karthik M	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14.25	14.25	14.25	14.25	57	84.1379	80.3419	83.6879	80.3419
17	1SV15CV022	Kavya S	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.25	13.25	13.25	13.25	53	81.3793	76.9231	80.8511	76.9231
18	1SV15CV023	Kiran L A	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12	12	12	12	48	75.1724	69.2308	77.305	69.2308
19	1SV15CV026	Komalram	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	7.5	7.5	7.5	7.5	30	65.5172	57.265	64.539	57.265
20	1SV15CV027	Kamatha V	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.75	13.75	13.75	13.75	55	82.7586	78.6325	82.2695	78.6325
21	1SV15CV030	Lavanya B R	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14.75	14.75	14.75	14.75	59	85.5172	82.0513	85.1064	82.0513
22	1SV15CV033	Madan Chaulagain	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15.25	15.25	15.25	15.25	61	86.8966	83.7607	86.5248	83.7607
23	1SV15CV034	Mahantesh H R	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	14	14	14	14	56	80.6897	76.0684	82.9787	76.0684
24	1SV15CV037	Mamatha K R	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12.75	12.75	12.75	12.75	51	77.2414	71.7949	79.4326	71.7949
25	1SV15CV036	Manish Chaudhary	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	12.5	12.5	12.5	12.5	50	71.0345	67.5214	73.0496	67.5214
26	1SV15CV038	Nagaprasad I	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15	15	15	15	60	86.2069	82.906	85.8156	82.906
27	1SV15CV039	Niraj Kumar Chaudhary	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	11.5	11.5	11.5	11.5	46	76.5517	70.9402	75.8865	70.9402
28	1SV15CV040	Nivedha M G	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15.25	15.25	15.25	15.25	61	86.8966	83.7607	86.5248	83.7607
29	1SV15CV042	Rasu Rajat	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16	16	16	16	64	88.9655	86.3248	88.6525	86.3248
30	1SV15CV044	Raksha K R	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.25	13.25	13.25	13.25	53	81.3793	76.9231	80.8511	76.9231
31	1SV15CV047	Ravichandra K	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	9.25	9.25	9.25	9.25	37	62.069	56.4103	63.8298	56.4103
32	1SV15CV048	Shaik Mohammed Salman	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15	15	15	15	60	86.2069	82.906	85.8156	82.906
33	1SV15CV049	Shrinidhi N	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	11.25	11.25	11.25	11.25	45	62.069	59.8291	63.8298	59.8291
34	1SV15CV050	Shobha C	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.5	13.5	13.5	13.5	54	82.069	77.7778	81.5603	77.7778
35	1SV15CV052	Sindhushree H N	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	12.75	12.75	12.75	12.75	51	73.7241	68.3761	73.7589	68.3761
36	1SV15CV053	Sai T S	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13	13	13	13	52	80.6897	76.0684	80.1418	76.0684
37	1SV15CV055	Siva Hari Krishnan	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	13	13	13	13	52	77.931	72.6496	80.1418	72.6496
38	1SV15CV056	Sudheer S	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	13	13	13	13	52	77.931	72.6496	80.1418	72.6496
39	1SV15CV057	Tanuja N	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.25	13.25	13.25	13.25	53	81.3793	76.9231	80.8511	76.9231
40	1SV15CV058	Tharun A R	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12.25	12.25	12.25	12.25	49	75.8621	70.0855	78.0142	70.0855
41	1SV15CV059	Limasunla Nari	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	10.5	10.5	10.5	10.5	42	65.5172	60.6838	67.3759	60.6838
42	1SV15CV060	Venkatesh Dixon	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	11.25	7.25	10.5	10.5	10.5	10.5	42	62.7586	60.6838	61.7021	60.6838
43	1SV15CV061	Vinay B J	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	14.75	14.75	14.75	14.75	59	77.2414	75.2137	79.4326	75.2137
44	1SV15CV062	Ramya P	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15.5	15.5	15.5	15.5	62	87.5862	84.6154	87.234	84.6154
45	1SV16CV400	Kavyashree M	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	10.75	10.75	10.75	10.75	43	71.7241	64.9573	73.7589	64.9573
46	1SV16CV401	Mahesh Lamani	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11.25	11.25	11.25	11.25	45	67.5862	63.2479	69.5035	63.2479
47	1SV16CV403	Pavan D	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	14.75	14.75	14.75	14.75	59	71.7241	71.7949	73.7589	71.7949
48	1SV16CV404	Rahul M	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15.25	15.25	15.25	15.25	61	86.8966	83.7607	86.5248	83.7607
49	1SV16CV406	Namrata chandrashekhar	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13	13	13	13	52	72.4138	69.2308	74.4681	69.2308
50	1SV16CV407	Naresh Kumar G R	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11.75	11.75	11.75	11.75	47	68.9655	64.9573	70.922	64.9573
51	1SV16CV408	Shivaprasad B K	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11	11	11	11	44	66.8966	62.3932	68.7943	62.3932
52	1SV16CV409	Shivaraj B	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	8.75	8.75	8.75	8.75	35	66.2069	58.1197	68.0851	58.1197
53	1SV16CV410	Varuna C	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	10.75	10.75	10.75	10.75	43	74.4828	68.3761	73.7589	68.3761
54	1SV16CV411	Yatish K P	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13.5	13.5	13.5	13.5	54	82.069	77.7778	81.5603	77.7778
55	1SV16CV412	Venkatesh G C	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	15.25	15.25	15.25	15.25	61	84.1379	80.3419	86.5248	80.3419
56	1SV16CV413	MOUNISH S RATHOD	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	13.5	13.5	13.5	13.5	54	76.5517	74.359	75.8865	74.359
		AVERAGE	13.2308	13.2308	6.76923	6.46154	13.2308	6.46154	6.76923	13.2308	1.25	1.25	1.25	1.25	5	14.4808	8.01923	14.1731	8.01923	12.7885	12.7885	12.7885	12.7885	51.1538	75.2235	71.1374	76.4866	71.1374

Course coordinator

HOD
Dept. of Civil Engineering
SIET, TUMKUR - 6.

PRINCIPAL
SIET, TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(ODD Sem)**	**Faculty**	**: Mr. Manogna H N**
Subject	:Design of RCC Steel Structure	**Semester**	**: 7**
Code	: 15CV72		

COURSE OUTCOME

CO1. Students will acquire the basic knowledge in design of RCC and Steel Structures.

CO2. Students will have the ability to follow design procedures as per codal provisions and skills to arrive at structurally safe RC and Steel members.

CO & PO MAPPING												
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	3	3										1
CO2	3	3										1
CO3												
CO4												
CO5												
AVERAGE	3	3										1
OVERALL MAPPING OF SUBJECT												**2.33**

CO AND PO ATTAINMENT

	CO%	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
CO1	75.50	2.26	2.26										0.75
CO2	75.50	2.26	2.26										
CO3													
CO4													
CO5													
AVERAGE	75.50	2.26	2.26										0.75
Final attainment level of the course													1.76

Course Instructor

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ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

Subject: Design of RCC and Steel Structures	Subject Code: 15CV72

SL NO	USN	STUDENT NAME	IA 1	IA 2	IA 3	ASSIGNMENT MARKS			SEE 80 marks	SEE	TOTAL CO1ATTAINMENT	TOTAL CO
			CO1 +CO2 15	CO1 +CO2 15	CO1 +CO2 15	CO1 +CO2 5	CO1 +CO2 5	CO1 +CO2 5		CO1 +CO2 80 marks	CO1 +CO2 140 marks	CO1
1	1SV14CV046	Venkatesh N	10	10.00	10	5	5	5	51	51	0.69	68.57
2	1SV15CV001	Ajaykumar R	13	13.00	13	5	5	5	58	58	0.80	80.00
3	1SV15CV002	Amrutha K H	15	15.00	15	5	5	5	52	52	0.80	80.00
4	1SV15CV003	Anil Prasad Tirmare	15	15.00	15	5	5	5	61	61	0.86	86.43
5	1SV15CV004	Anish Upadhye	10	10.00	10	5	5	5	50	50	0.68	67.86
6	1SV15CV008	Bhishma Kumar Lamba	15	15.00	15	5	5	5	48	48	0.77	77.14
7	1SV15CV009	Bikram Khare	15	15.00	15	5	5	5	60	60	0.86	85.71
8	1SV15CV010	Bishwai Biswadi	12	12.00	12	5	5	5	63	63	0.81	80.71
9	1SV15CV011	Chandra V G	15	15.00	15	5	5	5	66	66	0.90	90.00
10	1SV15CV012	Chetankumar K H	10	10.00	10	5	5	5	47	47	0.66	65.71
11	1SV15CV013	Dhanush H M	7	7.00	7	5	5	5	34	34	0.50	50.00
12	1SV15CV014	Elangbam Reshmi Devi	14	14.00	14	5	5	5	58	58	0.82	82.14
13	1SV15CV016	Hemanth.R.N	12	12.00	12	5	5	5	55	55	0.76	75.71
14	1SV15CV017	Hiffaiskini S	13	13.00	13	5	5	5	50	50	0.74	74.28
15	1SV15CV018	Ishani S.J	13	13.00	13	5	5	5	56	56	0.79	78.57
16	1SV15CV021	Kantak M	12	12.00	12	5	5	5	48	48	0.68	67.86
17	1SV15CV022	Kavya N	13	13.00	13	5	5	5	47	47	0.72	72.14
18	1SV15CV023	Kavyashree L.k	13	13.00	13	5	5	5	48	48	0.67	67.14
19	1SV15CV026	Kiranbrani	14	14.00	14	5	5	5	58	58	0.82	82.14
20	1SV15CV027	Kumudu V	13	13.00	13	5	5	5	58	58	0.80	80.00
21	1SV15CV030	Lavanya B.R	14	14.00	14	5	5	5	50	50	0.76	76.43
22	1SV15CV033	Madan Chalagaon	15	15.00	15	5	5	5	54	54	0.81	81.43
23	1SV15CV034	Maheeshesh H.S	12	12.00	12	5	5	5	52	52	0.74	73.57
24	1SV15CV035	Mamatha R.N	15	15.00	15	5	5	5	53	53	0.81	80.71
25	1SV15CV036	Manish Chaudhary	12	12.00	12	5	5	5	52	52	0.74	73.57
26	1SV15CV038	Nagaraja J	15	15.00	15	5	5	5	54	54	0.81	81.43
27	1SV15CV039	Niraj Kumar Chaudhary	15	15.00	15	5	5	5	49	49	0.78	77.86
28	1SV15CV040	Nivedita M.G	15	15.00	15	5	5	5	58	58	0.84	84.29
29	1SV15CV043	Raju Rijal	15	15.00	15	5	5	5	56	56	0.83	82.86
30	1SV15CV044	Raksha K.R	12	12.00	12	5	5	5	48	48	0.71	70.71
31	1SV15CV047	Ravichandra K	10	10.00	10	5	5	5	30	30	0.54	53.57
32	1SV15CV048	Shaik Mahboob Subhani	11	11.00	11	5	5	5	55	55	0.74	73.57
33	1SV15CV049	Sharath N	10	10.00	10	5	5	5	46	46	0.58	57.86
34	1SV15CV050	Shobha C	15	15.00	15	5	5	5	58	58	0.84	84.29
35	1SV15CV052	Sindhushree H.N	15	15.00	15	5	5	5	63	63	0.88	87.86
36	1SV15CV053	Siri T.S	15	15.00	15	5	5	5	62	62	0.87	87.14
37	1SV15CV055	Sree Hari Krishana	10	10.00	10	5	5	5	46	46	0.65	65.00
38	1SV15CV056	Sushma S	14	14.00	14	5	5	5	55	55	0.80	80.00
39	1SV15CV057	Tanuja N	15	15.00	15	5	5	5	57	57	0.84	83.57
40	1SV15CV058	Thanu A.R	14	14.00	14	5	5	5	52	52	0.78	77.86
41	1SV15CV059	Umesana Navi	13	13.00	13	5	5	5	52	52	0.76	75.71
42	1SV15CV060	Venkatesh Desai	9	9.00	9	5	5	5	43	43	0.61	60.71
43	1SV15CV061	Vinay B.J	9	9.00	9	5	5	5	52	52	0.67	67.14
44	1SV15CV062	Rajeeva.P	15	15.00	15	5	5	5	60	60	0.86	85.71
45	1SV16CV400	Keerthikrai M	11	11.00	11	5	5	5	58	58	0.76	75.71
46	1SV16CV402	Malatesh kavali	10	10.00	10	5	5	5	47	47	0.66	65.71
47	1SV16CV403	Pavan.O	10	10.00	10	5	5	5	48	48	0.67	67.14
48	1SV16CV404	Rahul.M	14	14.00	14	5	5	5	62	62	0.85	85.00
49	1SV16CV406	Saurabh chandrashekhara	12	12.00	12	5	5	5	58	58	0.78	77.86
50	1SV16CV407	Santosh kumar G.K	10	10.00	10	5	5	5	28	28	0.52	52.14
51	1SV16CV408	Shivaprasad.B.K	12	12.00	12	5	5	5	44	44	0.68	67.86
52	1SV16CV409	Shivayogi B salaki	14	14.00	14	5	5	5	60	60	0.84	83.57
53	1SV16CV410	Varuna G	13	13.00	13	5	5	5	64	64	0.84	84.29
54	1SV16CV411	Vinesh K.P	14	14.00	14	5	5	5	55	55	0.80	80.00
55	1SV16CV412	Venkatesh G.C	12	12.00	12	5	5	5	57	57	0.77	77.14
56	1SV16CV413	Mounesh rathod	10	10.00	10	5	5	5	62	62	0.76	76.43

Course Instructor

HOD

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(ODD Sem)**	**Faculty**	**: Mr. Vinuthan V R**
Subject	:Hydrology And Irrigation Engineering	**Semester**	: 7
Code	: 15CV73		

Course Outcomes	
CO1	**Understand the importance of hydrology and its components.**
CO2	**Measure precipitation and analyze the data and analyze the losses in precipitation.**
CO3	**Estimate runoff and develop unit hydrographs.**
CO4	**Find the benefits and ill-effects of irrigation.**
CO5	**Find the quantity of irrigation water and frequency of irrigation for various crops.**
CO6	**Find the canal capacity, design the canal and compute the reservoir capacity.**

CO-PO Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	0	0	0	0	2	2	1	0	0	0	1
CO2	2	2	1	1	1	2	2	1	0	0	0	1
CO3	2	2	1	1	1	2	2	1	0	0	0	1
CO4	2	2	1	1	1	2	2	1	0	0	0	1
CO5	2	2	1	1	1	2	2	1	0	0	0	1
CO6	2	2	1	1	1	2	2	1	0	0	0	1
Average	**2**	**2**	**1**	**1**	**1**	**2**	**2**	**1**	**0**	**0**	**0**	**1**
											OVERALL MAPPING OF SUBJECT	**1.44**

CO-PO ATTAINMENT

COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	74.99	1.50	0	0	0	0	1.50	1.50	0.75	0	0	0	0.75	0.75
CO2	75.96	1.52	1.52	0.76	0.76	0.76	1.52	1.52	0.76	0	0	0	0.76	1.04
CO3	74.96	1.50	1.50	0.75	0.75	0.75	1.50	1.50	0.75	0	0	0	0.75	1.03
CO4	75.96	1.52	1.52	0.76	0.76	0.76	1.52	1.52	0.76	0	0	0	0.76	1.04
CO5	74.96	1.50	1.50	0.75	0.75	0.75	1.50	1.50	0.75	0	0	0	0.75	1.03
CO6	75.96	1.52	1.52	0.76	0.76	0.76	1.52	1.52	0.76	0	0	0	0.76	1.04
Average	**75.47**	**1.51**	**1.26**	**0.63**	**0.63**	**0.63**	**1.51**	**1.51**	**0.75**	**0.00**	**0.00**	**0.00**	**0.75**	**1.02**
													FINIAL ATTAINMENT	**0.99**

Course Instructor

HOD

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TUMKUR - 572105.

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[illegible]	[illegible]	Kavyashree M	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	Rahul M	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	Santosh kumar G.K	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	Shivaprasad H.R	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	Venkatesh G.C	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	MOUNESH S RATHOD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		AVERAGE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Sreelakshmi S.
Course coordinator

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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Sira Road, Tumakuru - 572 106. Karnataka.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19 (ODD Sem)	Faculty	:Mrs. Supriya C B
Subject	:Ground Water & Hydraulics	Semester	: 7
Code	: 15CV742		

Subject: GROUND WATER HYDRAULICS		SubjectCode:15CV742
	Course Outcomes	
CO1	Find the characteristics of aquifers.	
CO2	Estimate the quantity of ground water by various methods.	
CO3	Locate the zones of ground water resources.	
CO4	Select particular type of well and augment the ground water storage.	

CO-PO ATTAINMENT

COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	70.61	1.41	0	0	0	0	0.71	1.41	0.71	0	0	0	0.71	0.99
CO2	68.84	1.38	1.38	0	0	0	0.69	1.38	0.69	0	0	0	0.69	1.24
CO3	71.3	1.43	0	0	0	0	0.71	1.43	0.71	0	0	0	0.71	1.00
CO4	68.84	1.38	0	0	0	0	0.69	1.38	0.69	0	0	0	0.69	0.96
Average	69.90	1.40	1.29	0.00	0.00	0.00	0.70	1.40	0.70	0.00	0.00	0.00	0.70	0.98
													FINIAL ATTAINMENT	1.5

CO-PO Mapping

	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	0	0	0	0	1	2	1	0	0	0	1
CO2	2	2	0	0	0	1	2	1	0	0	0	1
CO3	2	0	0	0	0	1	2	1	0	0	0	1
CO4	2	0	0	0	0	1	2	1	0	0	0	1
Average	2	2	0	0	0	1	2	1	0	0	0	1
												OVERALL MAPPING OF SUBJECT = 1.05

Course Instructor

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TUMKUR - 572105.

15CV782 2018-19

Sl No	USN NO	Name of the Student	IA 1		IA2			IA3			ASSIGNMENT					CIE MARKS				SEE MARKS				SEE	CO1=36.25	CO2=39.25	CO3=39.25	CO4=29.25
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4					
1	15V14CV046	Venkatesh N	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	12.5	12.5	12.5	12.5	50	65.52	64.33	57.38	64.10
2	15V15CV001	Ajaykumar R	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13	13	13	13	52	77.55	76.07	80.14	76.07
3	15V15CV002	Amrutha K H	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	11.5	11.5	11.5	11.5	46	71.79	67.52	71.89	67.52
4	15V15CV003	Anil Prasad Tirmala	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16	16	16	16	64	88.97	86.32	89.05	86.32
5	15V15CV004	Anish Upadhye	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	12	12	12	12	48	64.14	62.39	65.96	62.39
6	15V15CV008	Bhathma Kumar Lodhi	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13.25	13.25	13.25	13.25	53	78.38	76.09	75.18	76.09
7	15V15CV009	Bikram Khatri	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16.5	16.5	16.5	16.5	66	90.34	88.03	90.07	88.03
8	15V15CV010	Bishwas Dawadi	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	11.25	7.25	13.75	13.75	13.75	13.75	55	71.72	71.79	70.92	71.79
9	15V15CV011	Chaithra V G	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16.5	16.5	16.5	16.5	66	90.34	88.03	90.07	88.03
10	15V15CV012	Chitrakumar N H	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	9.5	9.5	9.5	9.5	38	57.24	53.85	58.87	53.85
11	15V15CV013	Dhanush H M	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	6.25	13.25	6.25	8.5	8.5	8.5	8.5	34	57.24	50.43	53.79	50.43
12	15V15CV014	Elanghani Roshini Devi	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	15.5	15.5	15.5	15.5	62	84.83	81.20	87.23	81.20
13	15V15CV016	Hemanth R N	11	11	5	6	11	6	5	11	1.25	1.25	1.25	1.25	5	12.25	6.25	13.25	6.25	14.5	14.5	14.5	14.5	58	73.79	70.94	70.72	70.94
14	15V15CV017	Hithaishee S	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12.75	12.75	12.75	12.75	51	77.24	71.79	79.43	71.79
15	15V15CV018	Jahnavi S J	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13	13	13	13	52	80.69	76.07	80.14	76.07
16	15V15CV021	Karthik M	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	12	12	12	12	48	72.41	69.23	71.63	69.23
17	15V15CV022	Kavya N	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	10	10	10	10	40	69.66	62.39	73.65	62.39
18	15V15CV023	Kavyashree L S	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	9.5	9.5	9.5	9.5	38	60.20	60.68	70.21	60.68
19	15V15CV026	Kumaran	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	11.25	7.25	11.25	11.25	11.25	11.25	45	64.83	63.25	63.83	63.25
20	15V15CV027	Kunvalba V	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	14	14	14	14	56	75.17	72.05	77.30	72.05
21	15V15CV030	Lavanya B R	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	12.75	12.75	12.75	12.75	51	80.00	75.21	79.43	75.21
22	15V15CV033	Madan Chadayan	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	12.75	12.75	12.75	12.75	51	80.00	75.21	79.43	75.21
23	15V15CV034	Mahesthesh H S	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	15	15	15	15	60	77.93	76.07	80.14	76.07
24	15V15CV035	Mamatha R N	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	16	16	16	16	64	86.21	82.92	88.05	82.91
25	15V15CV036	Manish Chaudhary	11	11	5	6	11	6	5	11	1.25	1.25	1.25	1.25	5	12.25	6.25	13.25	6.25	9.25	9.25	9.25	9.25	37	58.31	52.99	63.03	52.99
26	15V15CV038	Nagaveena J	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15.5	15.5	15.5	15.5	62	87.59	84.62	87.23	84.62
27	15V15CV039	Niraj Kumar Chaudhary	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	11.25	7.25	15	15	15	15	60	75.17	76.07	74.47	76.07
28	15V15CV040	Nivedita M G	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	15	15	15	15	60	83.45	79.49	85.82	79.49
29	15V15CV043	Raju Royal	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	19.5	19.5	19.5	19.5	78	95.86	94.87	98.58	94.87
30	15V15CV044	Rakshit K R	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14.5	14.5	14.5	14.5	58	84.83	81.20	84.40	81.20
31	15V15CV047	Ravichandra K	9	9	4	5	9	5	4	9	1.25	1.25	1.25	1.25	5	10.75	5.25	11.25	5.25	7	7	7	7	28	47.59	43.88	51.77	43.88
32	15V15CV048	Shaik Mahboob Subhani	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	12.5	12.5	12.5	12.5	50	71.03	67.52	73.05	67.52
33	15V15CV049	Sharath N	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	11.25	7.25	13.25	13.25	13.25	13.25	53	70.34	70.09	69.50	70.09
34	15V15CV050	Shobha C	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	15	15	15	15	60	86.21	82.92	85.82	82.91
35	15V15CV052	Sindhushree H N	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	13.25	13.25	13.25	13.25	53	78.62	73.50	80.95	73.50
36	15V15CV053	Siri T S	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	14	14	14	14	56	81.45	79.49	82.58	79.49
37	15V15CV055	Sree Hari Krishnan	9	9	4	5	9	5	4	9	1.25	1.25	1.25	1.25	5	10.25	6.25	9.25	6.25	12.25	12.25	12.25	12.25	49	62.07	63.25	60.99	63.25
38	15V15CV056	Sushma S	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	13	13	13	13	52	80.69	76.07	80.14	76.07
39	15V15CV057	Tanuja N	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	13	13	13	13	52	77.93	72.05	80.14	72.05
40	15V15CV058	Thanu A R	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	12	12	12	12	48	72.41	69.23	71.63	69.23
41	15V15CV059	Umesanna Nive	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	13	13	13	13	52	75.17	72.05	74.47	72.05
42	15V15CV060	Venkatesh Desai	9	9	5	4	9	4	5	9	1.25	1.25	1.25	1.25	5	10.25	6.25	9.25	6.25	8	8	8	8	32	50.34	48.72	48.94	48.72
43	15V15CV061	Vinay B J	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	10.5	10.5	10.5	10.5	42	60.00	57.26	61.70	57.26
44	15V15CV062	Ramya P	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25	13.5	13.5	13.5	13.5	54	82.07	77.38	83.56	77.38
45	15V16CV400	Kavyashree M	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	11	11	11	11	44	61.38	58.97	63.12	58.97
46	15V16CV402	Mallaiah Lavadi	9	9	5	4	9	4	5	9	1.25	1.25	1.25	1.25	5	10.25	6.25	9.25	6.25	12.25	12.25	12.25	12.25	49	62.07	63.25	60.99	63.25
47	15V16CV403	Pavan O	9	9	5	4	9	4	5	9	1.25	1.25	1.25	1.25	5	10.25	6.25	9.25	6.25	17.5	17.5	17.5	17.5	70	90.34	88.03	92.91	88.03
48	15V16CV404	Rahul M	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	12	12	12	12	48	64.14	62.39	65.96	62.39
49	15V16CV406	Samrakshi chandrashekhara	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	11.75	11.75	11.75	11.75	47	60.69	62.54	59.57	62.54
50	15V16CV407	Santosh kumar G K	9	9	5	4	9	4	5	9	1.25	1.25	1.25	1.25	5	10.25	6.25	9.25	6.25	8.75	8.75	8.75	8.75	35	60.69	54.70	62.41	54.70
51	15V16CV408	Shivaprasad B K	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	13.75	13.75	13.75	13.75	55	74.48	71.79	76.89	71.79
52	15V16CV409	Shivaraj B talaki	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	12.75	12.75	12.75	12.75	51	80.00	75.21	79.43	75.21
53	15V16CV410	Vamsi G	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25	16.25	16.25	16.25	16.25	65	75.86	76.92	78.01	76.92
54	15V16CV411	Vinnesh K P	10	10	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	11.25	6.25	11.25	6.25	13.5	13.5	13.5	13.5	54	70.55	70.36	75.89	70.16
55	15V16CV412	Venkatesh G C	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	13.25	8.25									
56	15V16CV413	MOUNESH S RATHOD	8	8	4	4	8	4	4	8	1.25	1.25	1.25	1.25	5	9.25	5.25	9.25	5.25	11	11	11	11	44	55.86	55.56	57.45	55.56
		AVERAGE	11.38	11.38	5.92	5.46	11.38	5.46	5.92	11.38	1.25	1.25	1.25	1.25	5.00	12.63	7.17	12.17	7.17	12.96	12.96	12.96	12.96	51.85	70.61	68.84	71.30	68.84

Supriya. CB

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SIET, TUMKUR - 6.

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19 (Old Sem)	Faculty	: Mr. Prakash J
Subject	:Urban Transport Planning	Semester	: 7
Code	: 15CV751		

Course Outcomes	
CO1	Design, conduct and administer surveys to provide the data required for transportation planning.
CO2	Supervise the process of data collection about travel behavior and analyze the data for use in transportplanning.
CO3	Develop and calibrate modal split, trip generation rates for specific types of land use developments.
CO4	Adopt the steps that are necessary to complete a long-term transportation plan.

CO-PO Mapping												
	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2	0	0	0	0	1	1	0	0	1	1
CO2	3	2	0	0	0	1	0	1	0	0	1	1
CO3	3	2	0	0	0	0	1	1	0	0	1	1
CO4	2	2	0	0	0	1	1	1	0	0	1	1
Average	**2.75**	**2**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**1**	**1**
										OVERALL MAPPING OF SUBJECT = 1.39		

CO-PO ATTAINMENT

COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	74.27	2.23	1.49	0	0	0	0.74	0.74	0.74	0	0	0.74	0.74	1.19
CO2	73.11	2.19	1.46	0	0	0	0	0	0.73	0	0	0.73	0.73	1.17
CO3	72.89	2.19	1.46	0	0	0	0.73	0.73	0.73	0	0	0.73	0.73	1.04
CO4	71.53	1.43	1.43	0	0	0	0	0.72	0.72	0	0	0.72	0.72	0.86
Average	**72.95**	**2.01**	**1.46**	**0.00**	**0.00**	**0.00**	**0.37**	**0.55**	**0.73**	**0.00**	**0.00**	**0.73**	**0.73**	**0.86**
												FINIAL ATTAINMENT		**1.06**

Course Instructor

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ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

18CV751 Urban Transport Planning Prakash J 2018-19 Odd

Sl No	USN NO	Name of the Student	IA 1			IA2			IA3			ASSIGNMENT						CIE MARKS				SEE MARKS				SEE	CO1=36;	CO2=29.25	CO3=35;	CO4=29.2
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4		CO1	CO2	CO3	CO4						
1	1SV18CV046	Venkatesh N	15	15	6	4	10	0	7	7	1.25	1.25	1.25	1.25	5	16.25	7.25	5.25	8.25		11	11	11	11	44	75.17	62.39	46.10	65.81
2	1SV15CV001	Ajaykumar R	15	15	7	6	13	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	7.25	1.25		13	13	13	13	52	80.69	72.65	57.45	68.72
3	1SV15CV002	Anusha K.H	15	15	8	7	15	0	5	5	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	6.25		17.25	17.25	17.25	17.25	69	92.41	90.60	72.34	80.34
4	1SV15CV003	Anil Prasad Tirumma	15	15	8	7	15	0	0	0	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25		15	15	15	15	60	86.21	82.91	65.96	55.56
5	1SV15CV004	Anish Upadhya	13	13	5	4	9	7	5	12	1.25	1.25	1.25	1.25	5	14.25	6.25	12.25	6.25		11	11	11	11	44	69.66	58.97	65.96	58.97
6	1SV15CV008	Bhishma Kumar Limbu	15	15	7	5	12	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	6.25	1.25		15.75	15.75	15.75	15.75	63	88.28	82.05	62.41	58.32
7	1SV15CV009	Ikram Khatri	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25		17	17	17	17	68	93.72	89.74	91.48	89.74
8	1SV15CV010	Bishwas Dawadi	15	15	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	8.25	1.25		11	11	11	11	44	75.17	65.81	54.62	43.88
9	1SV15CV011	Chandra V.G	13	13	7	7	14	7	6	13	1.25	1.25	1.25	1.25	5	14.25	8.25	15.25	7.25		11.75	11.75	11.75	11.75	47	71.72	68.38	58.60	64.96
10	1SV15CV012	Chetankumar N.H	14	14	6	5	11	1	8	9	1.25	1.25	1.25	1.25	5	15.25	7.25	7.25	9.25		11.5	11.5	11.5	11.5	46	73.79	66.30	58.19	70.94
11	1SV15CV013	Dhanush H.M	13	13	6	6	12	0	0	0	1.25	1.25	1.25	1.25	5	14.25	7.25	7.25	1.25		7.75	7.75	7.75	7.75	31	60.69	53.28	42.35	30.77
12	1SV15CV014	Hanjabam Roshini Devi	15	15	8	7	15	0	4	4	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	5.25		16.5	16.5	16.5	16.5	66	90.34	88.03	70.21	74.86
13	1SV15CV016	Hemanth R.N	14	14	7	7	14	7	8	15	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	9.25		16.75	16.75	16.75	16.75	67	88.28	85.47	90.78	88.89
14	1SV15CV017	Hiteshdeep S	15	15	6	6	12	0	0	0	1.25	1.25	1.25	1.25	5	16.25	7.25	7.25	1.25		14.75	14.75	14.75	14.75	59	85.52	75.21	62.41	54.70
15	1SV15CV018	Jahnavi S.J	15	15	8	7	15	7	7	14	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	8.25		14.5	14.5	14.5	14.5	58	84.83	83.20	84.40	77.28
16	1SV15CV021	Karthik M	15	15	7	6	13	7	7	14	1.25	1.25	1.25	1.25	5	16.25	8.25	14.25	8.25		14.25	14.25	14.25	14.25	57	84.14	76.92	80.85	76.92
17	1SV15CV022	Kavya N	14	14	7	7	14	6	6	12	1.25	1.25	1.25	1.25	5	15.25	8.25	14.25	7.25		14	14	14	14	56	80.69	76.07	80.14	72.65
18	1SV15CV023	Kavyashree L.h	14	14	7	6	13	5	5	10	1.25	1.25	1.25	1.25	5	15.25	8.25	12.25	6.25		15.5	15.5	15.5	15.5	62	84.83	83.20	78.72	74.86
19	1SV15CV026	Kusalvasi	15	15	6	4	10	7	7	14	1.25	1.25	1.25	1.25	5	16.25	7.25	12.25	8.25		13.75	13.75	13.75	13.75	55	82.76	71.79	73.76	75.25
20	1SV15CV027	Kusodha V	13	13	7	7	14	7	8	15	1.25	1.25	1.25	1.25	5	14.25	8.25	15.25	9.25		13.75	13.75	13.75	13.75	55	77.24	75.21	82.27	78.63
21	1SV15CV030	Lavanya H.R	13	13	8	5	13	0	0	0	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25		14.5	14.5	14.5	14.5	58	84.83	83.20	64.54	53.85
22	1SV15CV033	Madan Chadagam	15	15	8	7	15	3	8	11	1.25	1.25	1.25	1.25	5	16.25	9.25	11.25	9.25		14	14	14	14	56	83.45	79.48	71.63	78.49
23	1SV15CV034	Mahantesh H.S	13	13	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	14.25	8.25	8.25	1.25		13.5	13.5	13.5	13.5	54	76.55	74.36	61.70	50.63
24	1SV15CV035	Manutha R.N	13	13	8	7	15	0	8	8	1.25	1.25	1.25	1.25	5	14.25	9.25	8.25	9.25		12.75	12.75	12.75	12.75	51	74.48	75.21	59.57	75.25
25	1SV15CV036	Manish Choudhary	12	12	5	6	11	0	0	0	1.25	1.25	1.25	1.25	5	13.25	6.25	7.25	1.25		12.5	12.5	12.5	12.5	50	73.03	64.30	56.01	47.01
26	1SV15CV038	Nagaveena J	15	15	8	7	15	7	7	14	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	8.25		16	16	16	16	64	88.97	86.32	88.65	82.91
27	1SV15CV039	Niraj Kumar Choudhary	12	12	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	13.25	8.25	8.25	1.25		13	13	13	13	52	72.41	72.65	60.28	48.72
28	1SV15CV040	Niveditha M.G	12	12	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	13.25	9.25	15.25	9.25		15.75	15.75	15.75	15.75	63	80.00	85.47	87.94	85.47
29	1SV15CV043	Ram Rijal	15	15	7	7	14	5	5	10	1.25	1.25	1.25	1.25	5	16.25	8.25	13.25	6.25		16.75	16.75	16.75	16.75	67	93.03	85.47	85.11	78.63
30	1SV15CV044	Raksha K.R	15	15	7	7	14	5	8	13	1.25	1.25	1.25	1.25	5	16.25	8.25	13.25	9.25		11.5	11.5	11.5	11.5	46	76.55	67.52	70.21	70.94
31	1SV15CV047	Ravichandra K	15	15	5	5	10	0	0	0	1.25	1.25	1.25	1.25	5	16.25	6.25	6.25	1.25		10.75	10.75	10.75	10.75	43	74.48	58.32	48.23	41.03
32	1SV15CV048	Shaik Mohboob Subhani	14	14	6	6	12	7	7	14	1.25	1.25	1.25	1.25	5	15.25	7.25	14.25	8.25		11	11	11	11	44	72.41	62.39	71.63	65.81
33	1SV15CV049	Sharath N	3	3	5	4	9	6	6	12	1.25	1.25	1.25	1.25	5	4.25	6.25	11.25	7.25		10.5	10.5	10.5	10.5	42	60.69	57.26	61.70	60.68
34	1SV15CV050	Shobha C	15	15	8	6	14	2	6	8	1.25	1.25	1.25	1.25	5	16.25	9.25	9.25	7.25		15.75	15.75	15.75	15.75	63	88.28	85.47	70.82	78.63
35	1SV15CV052	Sindhushree H.N	15	15	7	7	14	6	6	12	1.25	1.25	1.25	1.25	5	16.25	8.25	14.25	7.25		14.5	14.5	14.5	14.5	58	84.83	77.78	83.56	74.36
36	1SV15CV053	Siri T S	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	9.25		15.5	15.5	15.5	15.5	62	87.59	84.62	87.23	84.62
37	1SV15CV055	Sree Hari Krishnan	11	11	5	5	10	4	7	11	1.25	1.25	1.25	1.25	5	12.25	6.25	10.25	8.25		13	13	13	13	52	69.66	65.81	65.96	72.65
38	1SV15CV056	Sushma S	15	15	7	6	13	7	8	15	1.25	1.25	1.25	1.25	5	16.25	8.25	14.25	9.25		14	14	14	14	56	83.03	76.07	80.14	79.49
39	1SV15CV057	Tanuja N	15	15	7	7	14	0	8	8	1.25	1.25	1.25	1.25	5	16.25	8.25	8.25	9.25		15.75	15.75	15.75	15.75	63	88.28	82.05	68.09	85.47
40	1SV15CV058	Thanu A.R	15	15	0	0	0	7	7	14	1.25	1.25	1.25	1.25	5	16.25	1.25	8.25	8.25		12.25	12.25	12.25	12.25	49	78.62	46.15	58.16	70.09
41	1SV15CV059	Umasanna Navi	14	14	0	0	9	7	7	14	1.25	1.25	1.25	1.25	5	15.25	1.25	8.25	8.25		12.25	12.25	12.25	12.25	49	75.86	46.15	58.16	70.09
42	1SV15CV060	Venkatesh Dasai	14	14	6	4	10	7	7	14	1.25	1.25	1.25	1.25	5	15.25	7.25	12.25	8.25		10.5	10.5	10.5	10.5	42	73.03	60.68	64.54	64.10
43	1SV15CV061	Vinay B.J	6	6	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	7.25	7.25	13.25	7.25		14.75	14.75	14.75	14.75	59	60.69	75.21	79.43	75.21
44	1SV15CV062	Ramya P	15	15	7	6	13	7	8	15	1.25	1.25	1.25	1.25	5	16.25	8.25	14.25	9.25		17	17	17	17	68	93.72	86.32	88.85	89.74
45	1SV16CV400	Kavyashree M	15	15	5	6	11	7	8	15	1.25	1.25	1.25	1.25	5	16.25	6.25	14.25	9.25		11.25	11.25	11.25	11.25	45	75.86	59.03	72.34	70.09
46	1SV16CV402	Mahatesh karadi	11	11	8	5	13	5	5	10	1.25	1.25	1.25	1.25	5	12.25	9.25	11.25	6.25		15.25	15.25	15.25	15.25	61	75.86	85.76	75.18	73.50
47	1SV16CV403	Pavan O	9	9	6	7	13	4	6	10	1.25	1.25	1.25	1.25	5	10.25	7.25	12.25	7.25		15.25	15.25	15.25	15.25	61	70.34	76.92	78.01	76.92
48	1SV16CV404	Rahul M	14	14	8	6	14	0	6	6	1.25	1.25	1.25	1.25	5	15.25	9.25	7.25	7.25		15.25	15.25	15.25	15.25	61	84.14	83.76	63.83	76.92
49	1SV16CV406	Vanakki chandrashekhara	15	15	7	6	13	7	8	15	1.25	1.25	1.25	1.25	5	16.25	8.25	14.25	9.25		13	13	13	13	52	80.69	72.65	77.30	76.07
50	1SV16CV407	Santosh kumar G.K	0	0	8	5	13	5	4	9	1.25	1.25	1.25	1.25	5	1.25	9.25	11.25	5.25		11	11	11	11	44	38.79	69.23	63.12	55.56
51	1SV16CV408	Shivaprasad B.K	10	10	5	6	11	0	5	5	1.25	1.25	1.25	1.25	5	11.25	6.25	7.25	6.25		13.25	13.25	13.25	13.25	53	67.39	66.67	58.16	66.67
52	1SV16CV409	Shivayogi Baraki	14	14	4	7	11	7	7	14	1.25	1.25	1.25	1.25	5	15.25	5.25	15.25	8.25		8.75	8.75	8.75	8.75	35	66.21	47.86	68.09	58.12
53	1SV16CV410	Varuna G	15	15	6	7	13	5	6	11	1.25	1.25	1.25	1.25	5	16.25	7.25	13.25	7.25		13.5	13.5	13.5	13.5	54	82.07	70.94	75.89	70.94
54	1SV16CV411	Vinnish K.P	15	15	6	5	11			0	1.25	1.25	1.25	1.25	5	16.25	7.25	6.25	1.25		16.75	16.75	16.75	16.75	67	93.03	82.05	65.25	83.54
55	1SV16CV412	Venkatesh G.C.	15	15	6	6	12	7	7	14	1.25	1.25	1.25	1.25	5	16.25	7.25	14.25	8.25		14.75	14.75	14.75	14.75	59	85.52	75.21	82.27	78.63
56	1SV16CV413	MOUNESH S RATHOD	0	0	5	5	10	7	7	14	1.25	1.25	1.25	1.25	5	1.25	6.25	13.25	8.25		12.5	12.5	12.5	12.5	50	37.93	66.30	73.05	70.94
		AVEBAGE	11.85	11.85	6.31	6.00	12.31	5.00	5.85	10.46	1.25	1.25	1.25	1.25	5.00	13.10	7.56	11.87	7.10		13.83	13.83	13.83	13.83	55.31	74.27	73.11	72.89	71.53

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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Sira Road, Tumakuru - 572 106. Karnataka.

DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	ELEMENTS OF CIVIL ENGINEERING AND MECHANICS	SUBJECT CODE	18C1V14/24

COURSE OUTCOME

CO1. Mention the applications of various fields of Civil Engineering

CO2. Compute the resultant of given force system subjected to various loads

CO3. Comprehend the action of forces, moments and other loads on systems of rigid bodies and compute the reactive forces that develop as a result of the external loads.

CO4. Locate the centroid and compute the moment of inertia of regular and built-up sections

CO5. Express the relationship between the motions of bodies and analyze the bodies in motion

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. C. NAGARAJA				
BRANCH	CIVIL ENGINEERING	ACADEMIC YEAR			2018-19
COURSE	B.E	SEMESTER	2	SECTION	C& D
SUBJECT	ELEMENTS OF CIVIL ENGINEERING AND MECHANICS			SUBJECT CODE	18CIV14/24

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1						3	2					1
CO2	2	3	2									1
CO3	2	3	2									1
CO4	2	2	3									1
CO5	2	2	2	3								1
AVERAGE	2	2.5	2.25	3		3	2					1
OVERALL MAPPING OF SUBJECT												2.10

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	53.38	0.00	0.00	0.00	0.00	0.00	0.53	0.89	0.00	0.00	0.00	0.00	0.53
CO2	49.31	0.00	0.99	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
CO3	53.95	1.62	1.08	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54
CO4	53.83	0.00	1.08	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54
CO5	49.36	0.99	0.99	1.48	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49
AVG	51.97	0.63	1.04	1.56	1.13	0.00	0.40	0.85	0.00	0.00	0.00	0.00	0.52
FINAL ATTAINMENT LEVEL OF THE COURSE													0.91

C. Nagaraja
Course Instructor

HOD

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TUMKUR - 572105.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19 (Even Sem)**	**Faculty**	**: Vinuthan V R**
Subject	:ANALYSIS OF DETERMINATE STRUCTURES	**Semester**	**:** 4
Code	**:** 17CV42		

Subject: ANALYSIS OF DETERMINATE STRUCTURES		**Subject Code:17CV42**
Course Outcomes		
CO1	Identify different forms of structural systems.	
CO2	Construct ILD and analyse the beams and trusses subjected to moving loads	
CO3	Understand the energy principles and energy theorems and its applications to determine the deflections of trusses and beams.	
CO4	Determine the stress resultants in arches and cables.	

CO-PO-Mapping												
	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	3	3	0	0	0	1	1	1	0	1	0	1
CO2	3	3	0	0	0	1	1	1	0	1	0	1
CO3	3	3	0	0	0	1	1	1	0	1	0	1
CO4	3	3	0	0	0	1	1	1	0	1	0	1
Average	**3**	**3**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**
											OVERALL MAPPING OF SUBJECT = 1.57	

CO-PO ATTAINMENT														
COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	**52.19**	1.57	1.57	0	0	0	0.52	0.52	0.52	0	0.52	0	0.52	0.82
CO2	**45.98**	1.38	1.38	0	0	0	0.46	0.46	0.46	0	0.46	0	0.46	0.72
CO3	**54.13**	1.62	1.62	0	0	0	0.54	0.54	0.54	0	0.54	0	0.54	0.85
CO4	**47.4**	1.42	1.42	0	0	0	0.47	0.47	0.47	0	0.47	0	0.47	0.74
Average	**49.93**	**1.50**	**1.50**	**0.00**	**0.00**	**0.00**	**0.50**	**0.50**	**0.50**	**0.00**	**0.50**	**0.00**	**0.50**	0.78
													FINIAL ATTAINMENT	**0.78**

Course Instructor

HOD

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TUMAKUR - 572106.

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SIET, TUMKUR - 2

17CV42 2018-19

SLNO	USN NO	Name of the Student	IA 1		IA2			IA 3			ASSIGNMENT					CIE MARKS				SEE MARKS					CO5 PERCENTAGE			
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	TOTAL	CO1=47.5	CO2=32.5	CO3=47.5	CO4=32.5
1	1SV17CV001	Aishwarya A Jolarappa	22	22	10	12	22	13	10	23	2.5	2.5	2.5	2.5	10	24.5	12.5	26.5	12.5	5.25	5.25	5.25	5.25	21	62.63	54.62	66.84	54.62
2	1SV17CV002	Anil Kumar D S	10	10	10	8	18	8	10	18	2.5	2.5	2.5	2.5	10	20.5	12.5	18.5	12.5	4.5	4.5	4.5	4.5	18	52.63	52.31	68.42	52.31
3	1SV17CV004	Dhanshu M R	15	15	10	5	15	6	10	16	2.5	2.5	2.5	2.5	10	17.5	12.5	12.5	12.5	3.25	3.25	3.25	3.25	13	43.68	48.46	33.16	48.46
4	1SV17CV005	Doval Mahaveerayya Salu	17	17	9	8	17	8	9	17	2.5	2.5	2.5	2.5	10	19.5	11.5	18.5	11.5	6	6	6	6	24	53.68	53.85	51.58	53.85
5	1SV17CV006	Gagandeep K S	17	17	9	8	17	8	9	17	2.5	2.5	2.5	2.5	10	19.5	11.5	18.5	11.5	5.25	5.25	5.25	5.25	21	52.11	51.54	50.00	51.54
6	1SV17CV007	Hrushik Rahas K I	11	11	5	6	11	6	5	11	2.5	2.5	2.5	2.5	10	13.5	7.5	14.5	7.5	3.25	3.25	3.25	3.25	13	35.26	33.08	37.37	33.08
7	1SV17CV008	Jayasimpath Chowdri	9	9	4	5	9	5	4	9	2.5	2.5	2.5	2.5	10	11.5	6.5	12.5	6.5	3.75	3.75	3.75	3.75	15	32.11	31.54	34.21	31.54
8	1SV17CV010	Lokesh D	9	9	4	5	9	5	4	9	2.5	2.5	2.5	2.5	10	11.5	6.5	12.5	6.5	3	3	3	3	12	30.53	29.23	32.63	29.23
9	1SV17CV011	Nagraj Hatare	12	12	6	6	12	6	6	12	2.5	2.5	2.5	2.5	10	14.5	8.5	14.5	8.5	4.25	4.25	4.25	4.25	17	39.47	39.23	39.47	39.23
10	1SV17CV012	Navyashree N K	14	14	7	7	14	7	7	14	2.5	2.5	2.5	2.5	10	16.5	9.5	16.5	9.5	5.25	5.25	5.25	5.25	21	45.79	45.38	45.79	45.38
11	1SV17CV013	Punithkumar K B	9	9	4	5	9	5	4	9	2.5	2.5	2.5	2.5	10	11.5	6.5	12.5	6.5	2.5	2.5	2.5	2.5	10	29.43	27.69	31.58	27.69
12	1SV17CV014	Raju N D	11	11	5	6	11	6	5	11	2.5	2.5	2.5	2.5	10	13.5	8.5	10.5	8.5	6	6	6	6	24	41.05	44.62	34.74	44.62
13	1SV17CV015	Rakesh S	9	9	5	4	9	4	5	9	2.5	2.5	2.5	2.5	10	11.5	7.5	10.5	7.5	5.25	5.25	5.25	5.25	21	35.26	39.23	33.16	39.23
14	1SV17CV016	Ramya H	29	29	15	14	29	14	15	29	2.5	2.5	2.5	2.5	10	31.5	16.5	32.5	16.5	7.75	7.75	7.75	7.75	31	82.63	74.62	84.74	74.62
15	1SV17CV017	Sanjana P O	15	15	10	5	15	5	10	15	2.5	2.5	2.5	2.5	10	17.5	12.5	12.5	12.5	5.25	5.25	5.25	5.25	21	68.95	54.62	79.47	54.62
16	1SV17CV018	Satish C	25	25	10	15	25	15	10	25	2.5	2.5	2.5	2.5	10	27.5	12.5	32.5	12.5	5.25	5.25	5.25	5.25	21	68.95	54.62	79.47	54.62
17	1SV17CV019	Shashi Kumar K M	29	29	14	15	29	15	14	29	2.5	2.5	2.5	2.5	10	31.5	16.5	32.5	16.5	7.75	7.75	7.75	7.75	31	82.63	74.62	84.74	74.62
18	1SV17CV020	Shoaib Ahmed	13	13	5	8	13	5	8	13	2.5	2.5	2.5	2.5	10	17.5	11.5	14.5	11.5	2.75	2.75	2.75	2.75	11	42.63	43.85	36.32	43.85
19	1SV17CV021	Soumya	23	23	10	12	22	12	10	22	2.5	2.5	2.5	2.5	10	24.5	12.5	26.5	12.5	6.5	6.5	6.5	6.5	26	65.26	58.46	69.47	58.46
20	1SV17CV022	Uday Kumar Gowda R V	22	22	12	10	22	10	12	22	2.5	2.5	2.5	2.5	10	24.5	14.5	22.5	14.5	5.25	5.25	5.25	5.25	21	62.63	60.77	58.42	60.77
21	1SV17CV024	Vanitha U S	29	29	15	14	29	14	15	29	2.5	2.5	2.5	2.5	10	31.5	17.5	30.5	17.5	5.75	5.75	5.75	5.75	23	78.42	71.54	76.52	71.54
22	1SV17CV025	BIJ Daga Evaristo	29	29	15	14	29	14	15	29	2.5	2.5	2.5	2.5	10	31.5	17.5	30.5	17.5	7	7	7	7	28	81.05	75.38	78.95	75.38
23	1SV17CV026	Ravi Teja M	12	12	6	6	12	6	6	12	2.5	2.5	2.5	2.5	10	14.5	8.5	14.5	8.5	3.75	3.75	3.75	3.75	15	38.42	37.69	38.42	37.69
24	1SV17CV027	Nawaz Khan K N	17	17	7	10	17	10	7	17	2.5	2.5	2.5	2.5	10	19.5	9.5	22.5	9.5	3.5	3.5	3.5	3.5	14	48.42	40.00	54.74	40.00
25	1SV18EC409	Ajith Kumar B N	19	19	10	9	19	9	10	19	2.5	2.5	2.5	2.5	10	21.5	12.5	20.5	12.5	4.25	4.25	4.25	4.25	17	54.21	51.54	52.11	51.54
26	1SV18EC401	Anusha M	13	13	9	8	17	7	6	13	2.5	2.5	2.5	2.5	10	15.5	8.5	16.5	8.5	2	2	2	2	8	36.84	32.31	38.95	32.31
27	1SV18EC402	Anusha S Thippareddy	25	25	5	10	25	10	5	25	2.5	2.5	2.5	2.5	10	27.5	7.5	22.5	7.5	5.25	5.25	5.25	5.25	21	68.95	39.23	58.42	39.23
28	1SV18EC403	Bharathi S	12	12	6	6	12	6	6	12	2.5	2.5	2.5	2.5	10	14.5	8.5	14.5	8.5	7.25	7.25	7.25	7.25	29	45.79	48.46	45.79	48.46
29	1SV18EC404	Gayathri K B	17	17	10	7	17	7	10	17	2.5	2.5	2.5	2.5	10	19.5	12.5	16.5	12.5	3	3	3	3	12	47.37	47.69	41.05	47.69
30	1SV18EC405	Hemavathi M L	16	16	10	6	16	6	10	16	2.5	2.5	2.5	2.5	10	18.5	12.5	14.5	12.5	1	1	1	1	4	45.26	47.69	36.84	47.69
31	1SV18EC406	Kavyashri S	12	12	6	6	12	6	6	12	2.5	2.5	2.5	2.5	10	14.5	8.5	14.5	8.5	4.25	4.25	4.25	4.25	17	39.47	39.23	39.47	39.23
32	1SV18EC407	Kiran P Murgi	20	20	10	10	20	10	10	20	2.5	2.5	2.5	2.5	10	22.5	12.5	22.5	12.5	3.5	3.5	3.5	3.5	14	54.74	49.23	54.74	49.23
33	1SV18EC408	Manjula B	20	20	10	10	20	10	10	20	2.5	2.5	2.5	2.5	10	22.5	12.5	22.5	12.5	6.5	6.5	6.5	6.5	26	61.05	58.46	61.05	58.46
34	1SV18EC409	Megha R G	17	17	10	7	17	7	10	17	2.5	2.5	2.5	2.5	10	19.5	12.5	16.5	12.5	2	2	2	2	8	45.26	44.62	38.95	44.62
35	1SV18EC410	Nithin K S	14	14	4	10	14	10	4	14	2.5	2.5	2.5	2.5	10	16.5	6.5	22.5	6.5	5.25	5.25	5.25	5.25	21	45.79	36.15	58.42	36.15
36	1SV18EC411	Nithin G Y	13	13	10	1	11	1	0	1	2.5	2.5	2.5	2.5	10	13.5	8.5	12.5	8.5	5.25	5.25	5.25	5.25	21	39.47	42.31	37.37	42.31
37	1SV18EC412	Pavan	22	22	12	10	22	10	12	22	2.5	2.5	2.5	2.5	10	24.5	14.5	22.5	14.5	4.5	4.5	4.5	4.5	18	61.05	58.46	56.84	58.46
38	1SV18EC413	Sandhyarani B R	9	9	5	4	9	4	5	9	2.5	2.5	2.5	2.5	10	11.5	7.5	10.5	7.5	1	1	1	1	4	26.32	26.15	24.21	26.15
39	1SV18EC414	Shashikant Doddalu	17	17	7	10	17	10	7	17	2.5	2.5	2.5	2.5	10	19.5	9.5	22.5	9.5	4.25	4.25	4.25	4.25	17	50.00	42.31	56.32	42.31
40	1SV18EC415	Sneeza Gawai	13	13	7	6	13	6	7	13	2.5	2.5	2.5	2.5	10	15.5	9.5	14.5	9.5	4.25	4.25	4.25	4.25	17	41.58	42.31	39.47	42.31
41	1SV18EC416	Sree Lakshmi M A	25	25	10	15	25	15	10	25	2.5	2.5	2.5	2.5	10	27.5	12.5	32.5	12.5	5.25	5.25	5.25	5.25	21	68.95	54.62	79.47	54.62
42	1SV18EC417	Sunil K S	27	27	13	14	27	14	13	27	2.5	2.5	2.5	2.5	10	29.5	15.5	30.5	15.5	5.25	5.25	5.25	5.25	21	73.16	63.85	75.26	63.85
43	1SV18EC418	Tejaswini N	25	25	10	15	25	15	10	25	2.5	2.5	2.5	2.5	10	27.5	9.5	32.5	12.5	6.5	6.5	6.5	6.5	26	71.58	40.00	82.11	58.46
44	1SV18EC419	Vinay N K	22	22	12	10	22	10	12	22	2.5	2.5	2.5	2.5	10	24.5	2.5	22.5	14.5	4	4	4	4	16	60.00	20.00	55.79	36.92
		AVERAGE	17.85	17.85	8.46	9.38	17.85	9.30	8.46	17.85	2.50	2.50	2.50	2.50	10.00	20.35	10.50	21.27	10.96	4.44	4.44	4.44	4.44	17.77	52.19	45.98	54.13	47.40

Course Instructor

HOD
Dept. of Civil Engineering
SIET, TUMKUR - 6.

PRINCIPAL
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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018- 2019(evenSem)**	**Faculty**	**: Mr. Prakash J**
Subject	:Applied Hydraulics	**Semester**	: 4
Code	: 17CV43		

Course Outcomes	
CO1	Apply dimensional analysis to develop mathematical modeling and compute the parametric values in prototype by analyzing the corresponding model parameters.
CO2	Design the open channels of various cross sections including economical channel sections.
CO3	Apply Energy concepts to flow in open channel sections, Calculate Energy dissipation,
CO4	Compute water surface profiles at different conditions
CO5	Design turbines for the given data, and to know their operation characteristics under different operating conditions

CO-PO Mapping												
COs	**POs**											
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	3	2	0	0	1	1	1	0	1	0	1
CO2	2	3	2	0	0	1	1	1	0	1	0	1
CO3	2	3	2	0	0	1	1	1	0	1	0	1
CO4	2	3	2	0	0	1	1	1	0	1	0	1
CO5	2	3	2	0	0	1	1	1	0	1	0	1
Average	**2**	**3**	**2**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**
OVERALL MAPPING OF SUBJECT = 1.5												

		POs												
COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	61.64	1.23	1.85	1.23	0	0	0.62	0.62	0.62	0	0.62	0	0.62	0.93
CO2	70.87	1.42	2.13	1.42	0	0	0.71	0.71	0.71	0	0.71	0	0.71	1.07
CO3	71.46	1.43	2.14	1.43	0	0	0.71	0.71	0.71	0	0.71	0	0.71	1.07
CO4	63.77	1.28	1.91	1.28	0	0	0.64	0.64	0.64	0	0.64	0	0.64	0.96
CO5	67.48	1.35	2.02	1.35	0	0	0.67	0.67	0.67	0	0.67	0	0.67	1.01
Average	**67.044**	**1.342**	**2.01**	**1.342**	**0**	**0**	**0.67**	**0.67**	**0.67**	**0**	**0.67**	**0**	**0.67**	1.01
FINIAL ATTAINMENT														**1.01**

Course Instructor

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ENGINEERING AND TECHNOLOGY
TUMKUR - 572105

17CV43 Applied Hydraulics Prakash J

2018-19 Even

SI/NO	USN NO	Name of the Student	IA 1			IA 2			IA3			ASSIGNMENT						CIE MARKS						SEE MARKS					CO5 PERCENTAGE				
			CO1	CO2	TOTAL	CO2	CO3	TOTA	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1>=29	CO2>=44	CO3>=29	CO4>=29	CO5>=29
1	1SV17CV001	Aishwarya A Adhargar	10	14	24	15	15	30	15	15	30	2	2	2	2	2	10	12	31	17	17	17	5.4	5.4	5.4	5.4	5.4	27	60.00	82.73	77.24	77.24	77.24
2	1SV17CV002	Anil Kumar B S	8	10	18	15	15	30	15	15	30	2	2	2	2	2	10	10	27	17	17	17	4.2	4.2	4.2	4.2	4.2	21	48.97	70.91	73.10	73.10	73.10
3	1SV17CV004	Bhanuka M R	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	5	5	5	5	5	25	65.52	72.73	75.86	75.86	75.86
4	1SV17CV005	Devil Malawenthangai Belle	12	10	22	15	15	30	14	15	29	2	2	2	2	2	10	14	27	17	16	17	7.6	7.6	7.6	7.6	7.6	38	74.48	78.64	84.83	81.38	84.83
5	1SV17CV006	Gagandeep K S	14	14	28	10	15	25	13	10	23	2	2	2	2	2	10	16	26	17	15	12	8.6	8.6	8.6	8.6	8.6	43	84.83	78.64	88.28	81.38	71.03
6	1SV17CV007	Hrithik Rehan N J	14	10	24	12	10	22	11	11	22	2	2	2	2	2	10	16	24	12	13	13	0	0	0	0	0	0	55.17	54.55	41.38	44.83	44.83
7	1SV17CV008	Jayamanjush Chowdri	10	10	20	7	0	7	15	0	15	2	2	2	2	2	10	12	19	2	17	2	2.4	2.4	2.4	2.4	2.4	12	48.66	48.64	55.17	66.90	55.17
8	1SV17CV010	Lokesh D	15	10	25	2	10	12	5	10	15	2	2	2	2	2	10	17	14	12	7	12	1.2	1.2	1.2	1.2	1.2	6	62.76	34.55	45.52	38.28	45.52
9	1SV17CV011	Najrul Hasan	10	4	14	9	10	19	6	10	16	2	2	2	2	2	10	12	15	12	8	12	4.8	4.8	4.8	4.8	4.8	24	57.93	45.00	57.93	44.14	57.93
10	1SV17CV013	Navyashree N R	10	12	22	10	10	20	15	15	30	2	2	2	2	2	10	12	24	12	17	17	5.2	5.2	5.2	5.2	5.2	26	59.31	66.36	59.31	76.55	76.55
11	1SV17CV012	Punithkumar K B	10	6	16	8	9	17	7	0	7	2	2	2	2	2	10	12	16	11	9	2	1.8	1.8	1.8	1.8	1.8	9	47.59	40.45	44.14	37.24	13.10
12	1SV17CV014	Raju N D	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	7.8	7.8	7.8	7.8	7.8	39	85.52	90.45	85.52	85.52	85.52
13	1SV17CV015	Rakesh S	10	10	20	13	10	23	7	9	16	2	2	2	2	2	10	12	25	12	9	11	4.4	4.4	4.4	4.4	4.4	22	56.55	66.82	56.55	46.21	53.10
14	1SV17CV016	Ramya B	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.2	10.2	10.2	10.2	10.2	51	93.79	95.91	93.79	93.79	93.79
15	1SV17CV017	Sanjana P O	13	13	26	15	15	30	15	15	30	2	2	2	2	2	10	15	30	17	17	17	7.8	7.8	7.8	7.8	7.8	39	78.62	85.91	85.52	85.52	85.52
16	1SV17CV018	Satish C	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.6	10.6	10.6	10.6	10.6	53	95.17	90.82	95.17	95.17	95.17
17	1SV17CV019	Shashi Kumar K M	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	9.2	9.2	9.2	9.2	9.2	46	90.34	93.64	90.34	90.34	90.34
18	1SV17CV021	Shoaib Ahmed	14	13	27	8	10	18	3	10	13	2	2	2	2	2	10	16	23	12	5	12	6	6	6	6	6	30	75.86	65.91	62.07	37.93	62.07
19	1SV17CV022	Soumya	12	10	22	15	15	30	14	15	29	2	2	2	2	2	10	14	27	17	16	17	9.4	9.4	9.4	9.4	9.4	47	80.69	82.73	91.03	87.59	91.03
20	1SV17CV023	Uday Kumar Gowda B. V.	8	10	18	15	15	30	10	13	23	2	2	2	2	2	10	10	27	17	12	15	4.8	4.8	4.8	4.8	4.8	24	51.03	72.27	75.17	57.93	68.28
21	1SV17CV024	Vanitha U S	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	6.4	6.4	6.4	6.4	6.4	32	80.69	87.27	80.69	80.69	80.69
22	1SV17CV025	SLJ Dapo Fwatoti	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.2	10.2	10.2	10.2	10.2	51	93.79	95.91	93.79	93.79	93.79
23	1SV17CV026	Ravi Teja M	8	10	18	10	8	18	10	5	15	2	2	2	2	2	10	10	22	10	12	7	4.2	4.2	4.2	4.2	4.2	21	48.97	50.55	48.97	55.86	38.62
24	1SV17CV027	Nawaz Khan K N	15	15	30	10	12	22	10	10	20	2	2	2	2	2	10	17	27	14	12	12	5.4	5.4	5.4	5.4	5.4	27	77.24	73.64	68.90	60.00	60.00
25	1SV18CV400	Ajith Kumar B N	15	15	30	10	14	24	6	10	16	2	2	2	2	2	10	17	27	16	8	12	2.8	2.8	2.8	2.8	2.8	14	68.28	67.73	64.83	37.24	51.03
26	1SV18CV401	Anusha M	4	10	14	13	13	26	15	15	30	2	2	2	2	2	10	6	25	15	17	17	4.2	4.2	4.2	4.2	4.2	21	35.17	66.36	68.21	73.10	73.10
27	1SV18CV402	Anusha S Thippanegoudara	15	15	30	13	13	26	14	14	28	2	2	2	2	2	10	17	30	15	16	16	4.8	4.8	4.8	4.8	4.8	24	75.17	79.09	68.28	71.72	71.72
28	1SV18CV403	Bharathi S	10	10	20	10	14	24	15	15	30	2	2	2	2	2	10	12	22	16	17	17	6	6	6	6	6	30	62.07	83.64	75.86	79.31	79.31
29	1SV18CV404	Gayathri K B	14	14	28	11	11	22	15	15	30	2	2	2	2	2	10	16	27	13	17	17	2.8	2.8	2.8	2.8	2.8	14	64.83	67.73	54.48	68.28	68.28
30	1SV18CV405	Hosavathi M L	10	9	19	13	13	26	14	10	24	2	2	2	2	2	10	12	24	15	16	12	4.8	4.8	4.8	4.8	4.8	24	57.93	65.45	68.28	71.72	57.93
31	1SV18CV406	Kavyashri S	10	7	17	14	14	28	10	11	21	2	2	2	2	2	10	12	23	16	12	13	5	5	5	5	5	25	58.62	63.64	72.41	58.62	62.07
32	1SV18CV407	Kiran P Murgi	10	10	20	11	14	25	10	13	23	2	2	2	2	2	10	12	23	16	12	15	2.2	2.2	2.2	2.2	2.2	11	48.97	57.27	62.76	48.97	59.31
33	1SV18CV408	Manjula R	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	6.6	6.6	6.6	6.6	6.6	33	71.03	76.36	81.38	81.38	81.38
34	1SV18CV409	Megha R G	10	15	25	12	14	26	13	10	23	2	2	2	2	2	10	12	29	18	15	12	3.6	3.6	3.6	3.6	3.6	18	53.79	74.09	67.59	64.14	53.79
35	1SV18CV410	Nalina K S	12	13	25	13	15	28	15	15	30	2	2	2	2	2	10	14	28	17	17	17	7.6	7.6	7.6	7.6	7.6	38	74.48	80.91	84.83	84.83	84.83
36	1SV18CV411	Nithin G Y	10	12	22	15	15	30	14	14	28	2	2	2	2	2	10	12	29	17	16	16	5.8	5.8	5.8	5.8	5.8	29	61.38	79.09	78.62	75.17	75.17
37	1SV18CV412	Pavan	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	6	6	6	6	6	30	68.97	75.09	79.31	79.31	79.31
38	1SV18CV413	Sandhyarani B R	12	10	22	14	10	24	0	0	0	2	2	2	2	2	10	14	26	12	2	2	3	3	3	3	3	15	58.62	65.91	51.72	17.24	17.24
39	1SV18CV414	Shashikant Dobbala	11	10	21	15	14	29	10	15	25	2	2	2	2	2	10	13	27	16	12	17	4.2	4.2	4.2	4.2	4.2	21	59.31	70.91	69.66	55.86	73.10
40	1SV18CV415	Simran Kauser	10	3	13	10	10	20	0	10	10	2	2	2	2	2	10	12	15	12	2	12	3.6	3.6	3.6	3.6	3.6	18	53.79	42.27	53.79	19.31	53.79
41	1SV18CV416	Sree Lakshmi M A	10	10	20	14	15	29	15	15	30	2	2	2	2	2	10	12	26	17	17	17	6.6	6.6	6.6	6.6	6.6	33	64.14	74.09	81.38	81.38	81.38
42	1SV18CV417	Suma K S	10	10	22	15	15	30	15	15	30	2	2	2	2	2	10	12	27	17	17	17	5.4	5.4	5.4	5.4	5.4	27	60.00	73.64	77.24	77.24	77.24
43	1SV18CV418	Tejaswini N	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	7	7	7	7	7	35	82.76	88.64	82.76	82.76	82.76
44	1SV18CV419	Vinay N K	6	10	16	11	10	21	11	10	21	2	2	2	2	2	10	8	23	12	13	12	4.8	4.8	4.8	4.8	4.8	24	44.14	63.18	57.93	61.38	57.93
		AVERAGE	18.77	10.62	21.54	####	13.42	###	11.38	###	23.85	2.00	2.00	###	###	2.00	10.00	12.77	26.08	###	13.38	###	5.11	5.11	5.11	5.11	5.11	25.54	61.44	70.87	71.46	63.77	67.48

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	CONCRETE TECHNOLOGY	SUBJECT CODE	17CV44

COURSE OUTCOME

CO1. Relate Material Characteristics and their influence on Microstructure of concrete
CO2. Distinguish concrete behaviour based on its fresh and hardended properties
CO3. Illustrate proportioning of different types of concrete mixes for required fresh and hardened properties using professional codes
CO4. Adopt Suitable concreting methods to place the concrete based on requirement
CO5. Select a suitable type of concrete based on specification

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr. C. NAGARAJA				
BRANCH	CIVIL ENGINEERING	ACADEMIC YEAR	2018-19		
COURSE	B.E	SEMESTER	4	SECTION	---
SUBJECT	CONCRETE TECHNOLOGY			SUBJECT CODE	17CV44

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1		3	2			2	1				1
CO2			3	3			2	2				1
CO3	3	2	3	3	1	2	2					1
CO4			3		2	2	1			2	2	1
CO5	2		3	3	1	2	3	1		2	2	1
AVERAGE	2	2	3	2.75	1.33	2	2	1.33		2	2	1
OVERALL MAPPING OF SUBJECT												1.95

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	64.42	0.64	0.00	1.93	1.29	0.00	0.00	1.29	0.64	0.00	0.00	0.00	0.64
CO2	47.82	0.00	0.00	1.43	1.43	0.00	0.00	1.43	0.96	0.00	0.00	0.00	0.48
CO3	95.54	2.87	1.91	2.87	2.87	0.96	0.00	2.87	0.00	0.00	0.00	0.00	0.96
CO4	65.04	0.00	0.00	1.95	0.00	1.30	0.00	0.00	0.00	0.00	1.30	1.30	0.65
CO5	67.13	1.34	0.00	2.01	2.01	0.67	0.67	2.01	0.67	0.00	1.34	1.34	0.67
AVG	67.99	0.97	1.36	2.04	1.52	0.59	0.45	1.52	0.45	0.00	0.53	0.53	0.68
FINAL ATTAINMENT LEVEL OF THE COURSE													0.91

Course Instructor

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TUMKUR - 572105.

17CV44 Concrete Technology Dr. C Nagaraja

2018-19 Even

SLNO	USN NO	Name of the Student	IA 1			IA 2			IA3			ASSIGNMENT						CIE MARKS							SEE MARKS					CO5 PERCENTAGE				
			CO1	CO2	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1=25	CO2=44	CO3=29	CO4=29	CO5=29
1	1SV17CV001	Aishwarya A Adargar	10	14	24	15	15	30	15	15	30	2	2	2	2	2	10	12	31	17	17	17	5.4	5.4	5.4	5.4	5.4	5.4	27	60.00	82.73	77.24	77.24	77.24
2	1SV17CV002	Anil Kumar B S	8	10	18	15	15	30	15	15	30	2	2	2	2	2	10	10	27	17	17	17	4.2	4.2	4.2	4.2	4.2	4.2	21	48.97	70.91	73.10	73.10	73.10
3	1SV17CV004	Bhumika M R	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	5	5	5	5	5	5	25	65.52	72.73	75.86	75.86	75.86
4	1SV17CV005	Chetal Mahaveerbarga Salu	12	10	22	15	15	30	14	15	29	2	2	2	2	2	10	14	27	17	16	17	7.6	7.6	7.6	7.6	7.6	7.6	38	74.48	78.64	84.83	81.38	84.83
5	1SV17CV006	Gagandeep K S	14	14	28	10	15	25	13	10	23	2	2	2	2	2	10	16	26	17	15	12	8.6	8.6	8.6	8.6	8.6	8.6	43	84.83	78.64	88.28	81.38	71.03
6	1SV17CV007	Hrutik Rohan N J	14	10	24	12	10	22	11	11	22	2	2	2	2	2	10	16	24	12	13	13	0	0	0	0	0	0	0	55.17	54.55	41.38	44.83	44.83
7	1SV17CV008	Iswarsinjeh Chowdri	10	10	20	7	0	7	15	9	15	2	2	2	2	2	10	12	19	2	17	2	2.4	2.4	2.4	2.4	2.4	2.4	12	49.66	48.64	55.17	65.90	55.17
8	1SV17CV010	Lokesh D	15	10	25	2	10	12	5	10	15	2	2	2	2	2	10	17	14	12	7	12	1.2	1.2	1.2	1.2	1.2	1.2	6	62.76	34.55	45.52	38.28	45.52
9	1SV17CV011	Nagraj Hasan	10	4	14	9	10	19	6	10	16	2	2	2	2	2	10	12	15	12	8	12	4.8	4.8	4.8	4.8	4.8	4.8	24	57.93	45.00	57.93	44.14	57.93
10	1SV17CV012	Narvachna N K	10	12	22	10	10	20	15	15	30	2	2	2	2	2	10	12	24	12	17	17	5.2	5.2	5.2	5.2	5.2	5.2	26	59.31	66.36	59.31	76.55	76.55
11	1SV17CV013	Preethkumar K B	10	6	16	8	9	17	7	0	7	2	2	2	2	2	10	12	16	11	9	3	1.8	1.8	1.8	1.8	1.8	1.8	9	47.59	40.45	44.14	37.24	13.10
12	1SV17CV014	Raju N D	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	7.8	7.8	7.8	7.8	7.8	7.8	39	85.52	90.45	85.52	85.52	85.52
13	1SV17CV015	Rakesh S	10	10	20	13	10	23	7	9	16	2	2	2	2	2	10	12	25	12	9	11	4.4	4.4	4.4	4.4	4.4	4.4	22	56.55	66.82	56.55	46.21	53.10
14	1SV17CV016	Ramya B	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.2	10.2	10.2	10.2	10.2	10.2	51	93.79	95.91	93.79	93.79	93.79
15	1SV17CV017	Sanjana P O	13	13	26	15	15	30	15	15	30	2	2	2	2	2	10	15	30	17	17	17	7.8	7.8	7.8	7.8	7.8	7.8	39	78.62	85.91	85.52	85.52	85.52
16	1SV17CV018	Satish C	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.6	10.6	10.6	10.6	10.6	10.6	53	95.17	96.82	95.17	95.17	95.17
17	1SV17CV019	Shashi Kumar K.M	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	9.2	9.2	9.2	9.2	9.2	9.2	46	90.34	93.64	90.34	90.34	90.34
18	1SV17CV021	Shoaib Ahmed	14	13	27	8	10	18	3	10	13	2	2	2	2	2	10	16	23	12	5	12	6	6	6	6	6	6	30	75.86	65.91	62.07	37.93	62.07
19	1SV17CV022	Sowmya	12	10	22	15	15	30	14	15	29	2	2	2	2	2	10	14	27	17	16	17	9.4	9.4	9.4	9.4	9.4	9.4	47	80.69	82.73	91.03	87.59	91.03
20	1SV17CV023	Uday Kumar Gowda R V	8	10	18	15	15	30	10	13	23	2	2	2	2	2	10	10	27	17	12	15	4.8	4.8	4.8	4.8	4.8	4.8	24	51.03	72.27	75.17	57.93	68.28
21	1SV17CV024	Vanitha U S	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	6.4	6.4	6.4	6.4	6.4	6.4	32	80.69	87.27	80.69	80.69	80.69
22	1SV17CV025	BLJ Dapa Evaristo	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	10.2	10.2	10.2	10.2	10.2	10.2	51	93.79	95.91	93.79	93.79	93.79
23	1SV17CV026	Ravi Teja M	8	10	18	10	8	18	10	5	15	2	2	2	2	2	10	10	22	10	12	7	4.2	4.2	4.2	4.2	4.2	4.2	21	48.97	50.55	48.97	55.86	38.62
24	1SV17CV027	Nawaz Khan K H	15	15	30	10	12	22	10	10	20	2	2	2	2	2	10	17	27	14	12	12	5.4	5.4	5.4	5.4	5.4	5.4	27	77.24	73.64	66.90	60.00	60.00
25	1SV18CV400	Ajith Kumar B N	15	15	30	10	14	24	6	10	16	2	2	2	2	2	10	17	27	16	8	12	2.8	2.8	2.8	2.8	2.8	2.8	14	68.28	67.73	64.83	37.24	51.03
26	1SV18CV401	Anusha M	4	10	14	13	13	26	15	15	30	2	2	2	2	2	10	6	25	15	17	17	4.2	4.2	4.2	4.2	4.2	4.2	21	35.17	66.36	66.21	73.10	73.10
27	1SV18CV402	Anusha S Thippenagudara	15	15	30	13	13	26	14	14	28	2	2	2	2	2	10	17	30	15	16	16	4.8	4.8	4.8	4.8	4.8	4.8	24	75.17	79.09	68.28	71.72	71.72
28	1SV18CV403	Bharathi S	10	10	20	10	14	24	15	15	30	2	2	2	2	2	10	12	22	16	17	17	6	6	6	6	6	6	30	62.07	63.64	75.86	79.31	79.31
29	1SV18CV404	Gayathri K B	14	14	28	11	11	22	15	15	30	2	2	2	2	2	10	16	27	13	17	17	2.8	2.8	2.8	2.8	2.8	2.8	14	64.83	67.73	54.48	68.28	68.28
30	1SV18CV405	Hemavathi M L	10	9	19	13	13	26	14	10	24	2	2	2	2	2	10	12	24	15	16	12	4.8	4.8	4.8	4.8	4.8	4.8	24	57.93	65.45	68.28	71.72	57.93
31	1SV18CV406	Keerthi S	10	7	17	14	14	28	10	11	21	2	2	2	2	2	10	12	29	16	12	13	5	5	5	5	5	5	25	58.62	63.64	72.41	58.62	62.07
32	1SV18CV407	Kiran P Maral	10	10	20	11	14	25	10	13	23	2	2	2	2	2	10	12	23	16	12	15	2.2	2.2	2.2	2.2	2.2	2.2	11	48.97	57.27	62.76	48.97	59.31
33	1SV18CV408	Manjula B	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	6.6	6.6	6.6	6.6	6.6	6.6	33	71.03	76.36	81.38	81.38	81.38
34	1SV18CV409	Megha R G	10	15	25	12	14	26	13	10	23	2	2	2	2	2	10	12	29	16	15	12	3.6	3.6	3.6	3.6	3.6	3.6	18	53.79	74.09	67.59	64.14	53.79
35	1SV18CV410	Nalina K S	12	13	25	13	15	28	15	15	30	2	2	2	2	2	10	14	28	17	17	17	7.6	7.6	7.6	7.6	7.6	7.6	38	74.48	80.91	84.83	84.83	84.83
36	1SV18CV411	Nithin G Y	10	12	22	15	15	30	14	14	28	2	2	2	2	2	10	12	29	17	16	16	5.8	5.8	5.8	5.8	5.8	5.8	29	61.38	79.09	78.62	75.17	75.17
37	1SV18CV412	Pavan	12	10	22	15	15	30	15	15	30	2	2	2	2	2	10	14	27	17	17	17	6	6	6	6	6	6	30	68.97	75.00	79.31	79.31	79.31
38	1SV18CV413	Senthyarasi B B	12	10	22	14	10	24	0	0	0	2	2	2	2	2	10	14	26	12	2	3	3	3	3	3	3	3	15	58.62	65.91	51.72	17.24	17.24
39	1SV18CV414	Shashikant Doddala	11	10	21	15	14	29	10	15	25	2	2	2	2	2	10	13	27	10	12	17	4.2	4.2	4.2	4.2	4.2	4.2	21	59.31	70.91	69.66	55.86	73.10
40	1SV18CV415	Simran Karan	10	3	13	10	10	20	0	10	10	2	2	2	2	2	10	12	15	12	2	12	3.6	3.6	3.6	3.6	3.6	3.6	18	53.79	42.27	53.79	18.31	53.79
41	1SV18CV416	Sree Lakshmi M A	10	10	20	14	15	29	15	15	30	2	2	2	2	2	10	12	26	17	17	17	6.6	6.6	6.6	6.6	6.6	6.6	33	64.14	74.09	81.38	81.38	81.38
42	1SV18CV417	Suma K S	10	10	22	15	15	30	15	15	30	2	2	2	2	2	10	12	27	17	17	17	5.4	5.4	5.4	5.4	5.4	5.4	27	60.00	73.64	77.24	77.24	77.24
43	1SV18CV418	Tejaswini N	15	15	30	15	15	30	15	15	30	2	2	2	2	2	10	17	32	17	17	17	7	7	7	7	7	7	35	82.76	88.64	82.76	82.76	82.76
44	1SV18CV419	Vinay N K	6	10	16	11	10	21	11	10	21	2	2	2	2	2	10	8	23	12	13	12	4.8	4.8	4.8	4.8	4.8	4.8	24	44.14	63.18	57.93	61.38	57.93
																														64.42	67.82	65.54	65.04	67.13

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018- 2019(evenSem)	Faculty	: Dr. G Mahesh Kumar
Semester	: 4	Subject Code:	17CV45

Subject: Basic Geotechnical Engineering

Course Outcomes	
CO1	Will acquire an understanding of the procedures to determine index properties of any type of soil, classify the soil based on its index properties
CO2	Will be able to determine compaction characteristics of soil and apply that knowledge to assess field compaction procedures
CO3	Will be able to determine permeability property of soils and acquires conceptual knowledge about stresses due to seepage and effective stress; Also acquire ability to estimate seepage losses across hydraulic structure
CO4	Will be able to estimate shear strength parameters of different types of soils using the data of different shear tests and comprehend Mohr-Coulomb failure theory.
CO5	Ability to solve practical problems related to estimation of consolidation settlement of soil deposits also time required for the same.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO1	3	3	3	3	1	2	2	3	3	2	2	3	2.5
CO2	3	3	3	2	1	3	2	3	3	3	3	3	2.7
CO3	3	3	3	2	1	3	2	3	3	3	3	3	2.7
CO4	3	3	3	3	3	3	2	3	2	2	2	3	2.7
CO5	3	3	3	3	3	3	2	3	2	2	2	3	2.7
Avg	3	3	3	2.6	1.8	2.8	2	3	2.6	2.4	2.4	3	**2.6**
OVERALL MAPPING OF SUBJECT = 2.6													

	%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO1	62.3	1.9	1.87	1.87	1.87	0.62	1.25	1.25	1.87	1.87	1.25	1.25	1.87	1.6
CO2	63	1.9	1.89	1.89	1.26	0.63	1.89	1.26	1.89	1.89	1.89	1.89	1.89	1.7
CO3	63	1.9	1.89	1.89	1.26	0.63	1.89	1.26	1.89	1.89	1.89	1.89	1.89	1.7
CO4	63.9	1.9	1.92	1.92	1.92	1.92	1.92	1.28	1.92	1.28	1.28	1.28	1.92	1.7
CO5	61.9	1.9	1.86	1.86	1.86	1.86	1.86	1.24	1.86	1.24	1.24	1.24	1.86	1.7
Avg		1.88	1.88	1.88	1.63	1.13	1.76	1.256	1.88	1.63	1.508	1.508	1.885	**1.7**

Course Instructor

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SIET, TUMKUR

ACADEMIC 2018-19 EVEN — BGE 17CV45

SEM: V Civil

USN	IA TEST 1 CO1	IA TEST 1 CO2	IA TEST 1 TOT	IA TEST 2 CO1	IA TEST 2 CO3	IA TEST 2 TOT	IA TEST 3 CO4	IA TEST 3 CO5	IA TEST 3 TOT	AVE(IA)	CO1	CO2	CO3	CO4	CO5	Asmt	CIE	CO1	CO2	CO3	CO4	CO5	SEE	G TOT
1SV17CV001	8	7	15	15	15	30	8	8	16	20	2	2	2	2	2	10	30	6	4	4	4	4	22	52
1SV17CV002	7	6	13	15	15	30	15	14	29	24	2	2	2	2	2	10	34	6	6	4	4	4	24	58
1SV17CV004	7	6	13	12	12	24	15	14	29	22	2	2	2	2	2	10	32	3	3	3	2	1	12	44
1SV17CV005	10	10	20	14	14	28	14	14	28	25	2	2	2	2	2	10	35	6	6	6	6	5	29	64
1SV17CV006	12	11	23	12	11	23	15	15	30	25	2	2	2	2	2	10	35	6	5	5	5	5	21	56
1SV17CV007	8	7	15	8	8	16	10	9	19	17	2	2	2	2	2	10	27	5	3	3	3	3	17	44
1SV17CV008	0	0	0	2	1	3	12	11	23	9	2	2	2	2	2	10	19	6	3	3	3	3	18	37
1SV17CV010	4	4	8	7	7	14	8	8	16	13	2	2	2	2	2	10	23	5	2	2	2	2	13	36
1SV17CV011	4	4	8	9	9	18	10	9	19	15	2	2	2	2	2	10	25	7	4	4	4	4	23	48
1SV17CV012	11	10	21	14	14	28	15	15	30	26	2	2	2	2	2	10	36	2	2	2	2	1	9	45
1SV17CV013	5	4	9	11	10	21	5	5	10	13	2	2	2	2	2	10	23	4	3	3	3	3	16	39
1SV17CV014	5	5	10	11	10	21	11	11	22	18	2	2	2	2	2	10	28	6	5	5	5	5	21	49
1SV17CV015	5	5	10	10	10	20	11	11	22	17	2	2	2	2	2	10	27	6	6	4	4	4	24	51
1SV17CV016	11	10	21	15	15	30	15	15	30	27	2	2	2	2	2	10	37	9	6	6	6	6	33	70
1SV17CV017	9	8	17	10	10	20	11	10	21	19	2	2	2	2	2	10	29	6	6	6	6	4	28	57
1SV17CV018	11	11	22	15	14	29	15	15	30	27	2	2	2	2	2	10	37	7	4	4	4	4	23	60
1SV17CV019	14	13	27	13	13	26	15	15	30	26	2	2	2	2	2	10	36	9	7	6	6	6	34	70
1SV17CV021	6	5	11	0	0	0	13	13	26	12	2	2	2	2	2	10	22	3	3	3	3	3	15	37
1SV17CV022	11	10	21	15	14	29	15	15	30	27	2	2	2	2	2	10	37	7	6	6	6	6	31	68
1SV17CV023	9	9	18	14	14	28	11	10	21	22	2	2	2	2	2	10	32	6	6	6	6	6	29	61
1SV17CV024	8	7	15	11	10	21	11	10	21	19	2	2	2	2	2	10	29	6	6	6	6	4	28	57
1SV17CV025	13	13	26	15	14	29	15	14	29	28	2	2	2	2	2	10	38	7	7	7	7	7	35	73
1SV17CV026	9	9	18	10	9	19	14	13	27	21	2	2	2	2	2	10	31	7	4	4	4	4	23	54
1SV17CV027	8	7	15	11	10	21	5	5	10	15	2	2	2	2	2	10	25	7	5	5	5	5	27	52
1SV18CV400	7	7	14	10	10	20	12	12	24	19	2	2	2	2	2	10	29	3	3	3	2	2	13	42
1SV18CV401	7	7	14	11	10	21	12	12	24	20	2	2	2	2	2	10	30	5	3	3	3	3	17	47
1SV18CV402	10	9	19	15	15	30	15	15	30	26	2	2	2	2	2	10	36	7	7	7	7	7	35	71
1SV18CV403	5	5	10	14	14	28	13	13	26	21	2	2	2	2	2	10	31	6	5	5	5	5	21	52
1SV18CV404	5	5	10	13	12	25	12	11	23	19	2	2	2	2	2	10	29	4	4	4	3	3	18	47
1SV18CV405	7	6	13	15	15	30	14	14	28	24	2	2	2	2	2	10	34	7	5	5	5	5	27	61
1SV18CV406	7	7	14	15	15	30	11	10	21	22	2	2	2	2	2	10	32	4	4	4	3	3	18	50
1SV18CV407	5	4	9	15	15	30	14	14	28	22	2	2	2	2	2	10	32	3	3	3	3	2	14	46
1SV18CV408	9	8	17	15	15	30	14	14	28	25	2	2	2	2	2	10	35	6	6	6	6	6	30	65
1SV18CV409	6	6	12	15	14	29	15	15	30	24	2	2	2	2	2	10	34	5	5	5	5	5	25	59
1SV18CV410	10	9	19	14	13	27	14	13	27	24	2	2	2	2	2	10	34	7	4	4	4	4	23	57
1SV18CV411	8	7	15	14	13	27	14	13	27	23	2	2	2	2	2	10	33	6	5	5	5	5	21	54
1SV18CV412	8	8	16	14	13	27	15	14	29	24	2	2	2	2	2	10	34	6	6	6	6	6	30	64
1SV18CV413	8	8	16	15	15	30	0	0	0	15	2	2	2	2	2	10	25	3	3	3	3	3	15	40
1SV18CV414	3	3	6	12	12	24	10	10	20	17	2	2	2	2	2	10	27	6	6	6	6	5	29	56
1SV18CV415	6	5	11	12	12	24	8	7	15	17	2	2	2	2	2	10	27	3	3	3	3	2	14	41
1SV18CV416	7	7	14	14	13	27	15	15	30	24	2	2	2	2	2	10	34	7	4	4	4	4	23	57
1SV18CV417	6	6	12	11	11	22	12	12	24	19	2	2	2	2	2	10	29	2	2	2	2	2	10	39
1SV18CV418	9	8	17	15	15	30	14	14	28	25	2	2	2	2	2	10	35	6	5	5	5	5	21	56
1SV18CV419	7	7	14	11	10	21	14	14	28	21	2	2	2	2	2	10	31	6	6	5	5	5	22	53
TOTAL	335	313	648	539	521	1060	537	521	1058	918	88	88	88	88	88	440	1358	244	201	195	191	181	981	2339
Students	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Average	7.614	7.11	14.7	12.3	11.8	24.1	12.2	11.8	24	20.9	2	2	2	2	2	10	30.9	5.55	4.57	4.43	4.34	4.11	22.3	53.16

	44	29	29	29	29
	CO1	CO2	CO3	CO4	CO5
	31	13	21	14	14
	30	14	21	21	20
	24	11	17	19	17
	32	18	22	22	21
	32	18	18	22	22
	23	12	13	15	14
	10	5	6	17	16
	18	8	11	12	12
	22	10	15	16	15
	29	14	18	19	18
	22	9	15	10	10
	24	12	17	18	18
	23	13	16	17	17
	37	18	23	23	23
	27	16	18	19	16
	35	17	20	21	21
	38	22	21	23	23
	11	10	5	18	18
	35	18	22	23	23
	31	17	22	19	18
	27	15	18	19	16
	37	22	23	24	23
	28	15	15	20	19
	28	14	17	12	12
	22	12	15	16	16
	25	12	15	17	17
	34	18	24	24	24
	27	12	21	20	20
	24	11	18	17	16
	31	13	22	21	21
	28	13	21	16	15
	25	9	20	19	18
	32	16	23	22	22
	28	13	21	22	22
	33	15	19	20	19
	30	14	20	21	20
	30	16	21	23	22
	28	13	20	5	5
	23	11	20	18	17
	23	10	17	13	11
	30	13	19	21	21
	21	10	15	16	16
	32	15	22	21	21
	26	15	17	21	21
1206	602	804	816	790	
44	44	44	44	44	
27.4	13.7	18.27	18.55	17.95	

CO1	CO2	CO3	CO4	CO5
70.5	72.4	72.4	48.3	48.3
68.2	72.4	72.4	72.4	69
54.5	58.6	58.6	65.5	58.6
72.7	75.9	75.9	75.9	72.4
72.7	62.1	62.1	75.9	75.9
52.3	44.8	44.8	51.7	48.3
22.7	20.7	20.7	58.6	55.2
40.9	37.9	37.9	41.4	41.4
50	51.7	51.7	55.2	51.7
65.9	62.1	62.1	65.5	62.1
50	51.7	51.7	34.5	34.5
54.5	58.6	58.6	62.1	62.1
52.3	55.2	55.2	58.6	58.6
84.1	79.3	79.3	79.3	79.3
61.4	62.1	62.1	65.5	55.2
79.5	69	69	72.4	72.4
86.4	72.4	72.4	79.3	79.3
25	17.2	17.2	62.1	62.1
79.5	75.9	75.9	79.3	79.3
70.5	75.9	75.9	65.5	62.1
61.4	62.1	62.1	65.5	55.2
84.1	79.3	79.3	82.8	79.3
63.6	51.7	51.7	69	65.5
63.6	58.6	58.6	41.4	41.4
50	51.7	51.7	55.2	55.2
56.8	51.7	51.7	58.6	58.6
77.3	82.8	82.8	82.8	82.8
61.4	72.4	72.4	69	69
54.5	62.1	62.1	58.6	55.2
70.5	75.9	75.9	72.4	72.4
63.6	72.4	72.4	55.2	51.7
56.8	69	69	65.5	62.1
72.7	79.3	79.3	75.9	75.9
63.6	72.4	72.4	75.9	75.9
75	65.5	65.5	69	65.5
68.2	69	69	72.4	69
68.2	72.4	72.4	79.3	75.9
63.6	69	69	17.2	17.2
52.3	69	69	62.1	58.6
52.3	58.6	58.6	44.8	37.9
68.2	65.5	65.5	72.4	72.4
47.7	51.7	51.7	55.2	55.2
72.7	75.9	75.9	72.4	72.4
59.1	58.6	58.6	72.4	72.4
2741	2772	2772	2814	2724
44	44	44	44	44
62.3	63	63	63.9	61.9

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(EVEN Sem)**	**Faculty**	**:Mrs. Supriya C B**
Subject	:Advanced Surveying	**Semester**	: 4
Code	: 17CV46		
Subject:ADVANCE SURVEYING		**SubjectCode:**17CV46	

Course Outcomes	
CO1	Apply the knowledge of geometric principles to arrive at surveying problems.
CO2	Use modern instruments to obtain geo-spatial data and analyse the same to appropriate engineering problems.
CO3	Capture geodetic data to process and perform analysis for survey problems with the use of electronic instruments
CO4	Design and implement the different types of curves for deviating type of alignments.

CO-PO- Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	2	2	0	0	0	0	1	0	0	0	1
CO2	2	2	2	0	0	0	0	1	0	0	0	1
CO3	2	2	2	2	0	0	0	1	0	0	0	1
CO4	2	2	2	2	0	0	0	1	0	0	0	1
Average	**2**	**2**	**2**	**2**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**

OVERALL MAPPING OF SUBJECT = 1.67

CO-PO ATTAINMENT

		POs												
COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	74.57	2.24	1.49	0	0	0	0	0.75	0.75	0	0	0	0.75	1.19
CO2	69.57	2.09	1.39	0	0	0	0.7	0	0.70	0	0	0	0.70	1.11
CO3	74.74	2.24	1.49	0	0	0	0.75	0.75	0.75	0	0	0	0.75	1.12
CO4	71.83	2.15	1.44	0	0	0	0.72	0.72	0.72	0	0	0	0.72	1.08
Average	**72.68**	**2.18**	**1.45**	**0.00**	**0.00**	**0.00**	**0.72**	**0.74**	**0.73**	**0.00**	**0.00**	**0.00**	**0.73**	**1.09**
												FINIAL ATTAINMENT		**1.13**

Course Instructor

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S.NO	USN NO	Name of the Student	IA 1 CO1	IA 1 TOTAL	IA2 CO2	IA2 CO3	IA2 TOTAL	IA 3 CO3	IA 3 CO4	IA 3 TOTAL	ASSIGNMENT CO1	ASSIGNMENT CO2	ASSIGNMENT CO3	ASSIGNMENT CO4	ASSIGNMENT TOTAL
1	1SV17CV001	Aishwarya A Adargar	30	30	15	15	30	15	15	30	2.5	2.5	2.5	2.5	10
2	1SV17CV002	Anil Kumar R S	23	23	13	10	23	13	10	23	2.5	2.5	2.5	2.5	10
3	1SV17CV004	Bhanuka M R	26	26	13	13	26	13	13	26	2.5	2.5	2.5	2.5	10
4	1SV17CV005	Desai Mohammedinayat Sab	23	23	10	13	23	10	13	23	2.5	2.5	2.5	2.5	10
5	1SV17CV006	Gaganadeep K S	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10
6	1SV17CV007	Hruthik Rohan K J	22	22	10	12	22	10	12	22	2.5	2.5	2.5	2.5	10
7	1SV17CV008	Jayamangesh Chowdri	20	20	10	10	20	10	10	20	2.5	2.5	2.5	2.5	10
8	1SV17CV010	Lokesh D	16	16	10	6	16	9	7	16	2.5	2.5	2.5	2.5	10
9	1SV17CV011	Najmal Hasan	23	23	10	13	23	10	13	23	2.5	2.5	2.5	2.5	10
10	1SV17CV012	Navyashree N K	19	19	10	9	19	10	9	19	2.5	2.5	2.5	2.5	10
11	1SV17CV013	Punithkumar K R	15	15	5	10	15	5	10	15	2.5	2.5	2.5	2.5	10
12	1SV17CV014	Raju K D	18	18	10	8	18	10	8	18	2.5	2.5	2.5	2.5	10
13	1SV17CV015	Rakesh S	18	18	10	8	18	10	8	18	2.5	2.5	2.5	2.5	10
14	1SV17CV016	Ramya R	30	30	15	15	30	15	15	30	2.5	2.5	2.5	2.5	10
15	1SV17CV017	Sanjana P G	29	29	15	14	29	15	14	29	2.5	2.5	2.5	2.5	10
16	1SV17CV018	Satish C	28	28	12	14	28	12	14	28	2.5	2.5	2.5	2.5	10
17	1SV17CV019	Shashi Kumar K M	27	27	13	14	27	13	14	27	2.5	2.5	2.5	2.5	10
18	1SV17CV021	Shoaib Ahmed	12	12	7	10	12	6	6	12	2.5	2.5	2.5	2.5	10
19	1SV17CV022	Soumya	29	29	14	15	29	14	15	29	2.5	2.5	2.5	2.5	10
20	1SV17CV023	Uday Kumar Gowda R V	26	26	13	13	26	13	13	26	2.5	2.5	2.5	2.5	10
21	1SV17CV024	Vanitha U S	23	23	13	10	23	13	10	23	2.5	2.5	2.5	2.5	10
22	1SV17CV025	BLJ Dagu Prateek	24	24	10	14	24	10	14	24	2.5	2.5	2.5	2.5	10
23	1SV17CV026	Ravi Teja M	24	24	10	14	24	10	14	24	2.5	2.5	2.5	2.5	10
24	1SV17CV027	Nawaz Khan K N	29	29	15	14	29	15	14	29	2.5	2.5	2.5	2.5	10
25	1SV18CV400	Ajith Kumar B N	25	25	10	15	25	10	15	25	2.5	2.5	2.5	2.5	10
26	1SV18CV401	Anusha M	24	24	14	10	24	14	10	24	2.5	2.5	2.5	2.5	10
27	1SV18CV402	Anusha S Thipperangaiahra	29	29	14	15	29	14	15	29	2.5	2.5	2.5	2.5	10
28	1SV18CV403	Bharathi S	18	18	8	10	18	8	10	18	2.5	2.5	2.5	2.5	10
29	1SV18CV404	Gayathri K B	20	20	10	10	20	10	10	20	2.5	2.5	2.5	2.5	10
30	1SV18CV405	Hemavathi M L	24	24	14	10	24	14	10	24	2.5	2.5	2.5	2.5	10
31	1SV18CV406	Kavyashri S	24	24	14	10	24	14	10	24	2.5	2.5	2.5	2.5	10
32	1SV18CV407	Kiran P Maral	25	25	11	14	25	11	14	25	2.5	2.5	2.5	2.5	10
33	1SV18CV408	Manjula R	26	26	11	15	26	11	15	26	2.5	2.5	2.5	2.5	10
34	1SV18CV409	Megha R G	26	26	12	14	26	12	14	26	2.5	2.5	2.5	2.5	10
35	1SV18CV410	Nalina K S	24	24	10	14	24	10	14	24	2.5	2.5	2.5	2.5	10
36	1SV18CV411	Nithin G Y	23	23	10	13	23	10	13	23	2.5	2.5	2.5	2.5	10
37	1SV18CV412	Pavan	29	29	14	15	29	14	15	29	2.5	2.5	2.5	2.5	10
38	1SV18CV413	Sandhyarani B R	19	19	10	9	19	10	9	19	2.5	2.5	2.5	2.5	10
39	1SV18CV414	Shashikant Doddalla	26	26	13	13	26	13	13	26	2.5	2.5	2.5	2.5	10
40	1SV18CV415	Simran Kauri	19	19	10	9	19	11	8	19	2.5	2.5	2.5	2.5	10
41	1SV18CV416	Sree Lakshmi M A	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10
42	1SV18CV417	Suma K S	26	26	13	13	26	13	13	26	2.5	2.5	2.5	2.5	10
43	1SV18CV418	Tejaswini N	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10
44	1SV18CV419	Vinay N K	28	28	14	14	28	14	14	28	2.5	2.5	2.5	2.5	10
		AVERAGE	24.85	24.846154	13	12.846154	24.846154	12.076923	12.769231	24.846154	2.5	2.5	2.5	2.5	10

S.NO	CIE MARKS CO1	CIE MARKS CO2	CIE MARKS CO3	CIE MARKS CO4	SEE MARKS CO1	SEE MARKS CO2	SEE MARKS CO3	SEE MARKS CO4	TOTAL	COS PERCENTAGE CO1=47.5	CO2=32.5	CO3=47.5	CO4=32.5
1	32.5	17.5	32.5	17.5	6.5	6.5	6.5	6.5	26	83.105263	73.846154	83.105263	73.846154
2	25.5	15.5	25.5	12.5	8.25	8.25	8.25	8.25	33	71.052632	73.076923	71.052632	63.846154
3	28.5	15.5	28.5	15.5	7.5	7.5	7.5	7.5	30	75.789474	70.769231	75.789474	70.769231
4	25.5	12.5	25.5	15.5	8	8	8	8	32	70.526316	63.076923	70.526316	72.307692
5	30.5	16.5	30.5	16.5	5.25	5.25	5.25	5.25	21	75.263158	66.923077	75.263158	66.923077
6	24.5	12.5	24.5	14.5	6.5	6.5	6.5	6.5	26	65.263158	58.461538	65.263158	64.615385
7	22.5	12.5	22.5	12.5	7.5	7.5	7.5	7.5	30	63.157895	61.538462	63.157895	61.538462
8	18.5	12.5	17.5	9.5	5.25	5.25	5.25	5.25	21	50	54.615385	47.894737	45.384615
9	25.5	12.5	25.5	15.5	4	4	4	4	16	62.105263	59.769231	62.105263	60
10	21.5	12.5	21.5	11.5	7	7	7	7	28	60	60	60	56.923077
11	17.5	7.5	17.5	12.5	6.75	6.75	6.75	6.75	27	51.052632	43.846154	51.052632	59.230769
12	20.5	12.5	20.5	10.5	6.5	6.5	6.5	6.5	26	56.842105	58.461538	56.842105	52.307692
13	20.5	12.5	20.5	10.5	8.75	8.75	8.75	8.75	35	61.578947	65.384615	61.578947	59.230769
14	32.5	17.5	32.5	17.5	9.75	9.75	9.75	9.75	39	88.947368	83.846154	88.947368	83.846154
15	31.5	17.5	31.5	16.5	6.5	6.5	6.5	6.5	26	80	73.846154	80	70.769231
16	30.5	14.5	28.5	16.5	5.25	5.25	5.25	5.25	21	75.263158	60.769231	71.052632	66.923077
17	29.5	15.5	29.5	16.5	10.75	10.75	10.75	10.75	43	84.736842	80.769231	84.736842	83.846154
18	14.5	4.5	18.5	8.5	3.25	3.25	3.25	3.25	13	37.368421	23.846154	45.789474	36.153846
19	31.5	16.5	31.5	17.5	8	8	8	8	32	83.157895	75.384615	83.157895	78.461538
20	28.5	15.5	28.5	15.5	5.75	5.75	5.75	5.75	23	72.105263	65.384615	72.105263	65.384615
21	25.5	15.5	25.5	12.5	8	8	8	8	32	70.526316	72.307692	70.526316	63.076923
22	26.5	12.5	26.5	16.5	11.25	11.25	11.25	11.25	45	79.473684	73.076923	79.473684	85.384615
23	26.5	12.5	26.5	16.5	6	6	6	6	24	68.421053	56.923077	68.421053	69.230769
24	31.5	17.5	31.5	16.5	6.75	6.75	6.75	6.75	27	80.526316	74.615385	80.526316	71.538462
25	27.5	12.5	27.5	17.5	8.5	8.5	8.5	8.5	34	75.789474	64.615385	75.789474	80
26	26.5	16.5	26.5	12.5	9	9	9	9	36	74.736842	78.461538	74.736842	66.153846
27	31.5	16.5	31.5	17.5	9.75	9.75	9.75	9.75	39	86.842105	80.769231	86.842105	83.846154
28	20.5	10.5	20.5	12.5	6.5	6.5	6.5	6.5	26	56.842105	52.307692	56.842105	58.461538
29	22.5	12.5	22.5	12.5	5.25	5.25	5.25	5.25	21	58.421053	54.615385	58.421053	54.615385
30	26.5	16.5	26.5	12.5	7	7	7	7	28	70.526316	72.307692	70.526316	60
31	26.5	16.5	26.5	12.5	6.5	6.5	6.5	6.5	26	69.473684	70.769231	69.473684	58.461538
32	27.5	13.5	27.5	16.5	8.5	8.5	8.5	8.5	34	75.789474	67.692308	75.789474	76.923077
33	28.5	13.5	28.5	17.5	9.75	9.75	9.75	9.75	39	80.526316	71.538462	80.526316	83.846154
34	28.5	14.5	28.5	16.5	5.25	5.25	5.25	5.25	21	71.052632	60.769231	71.052632	66.923077
35	26.5	12.5	26.5	16.5	6.75	6.75	6.75	6.75	27	70	59.230769	70	71.538462
36	25.5	12.5	25.5	15.5	8.25	8.25	8.25	8.25	33	71.052632	63.846154	71.052632	73.076923
37	31.5	16.5	31.5	17.5	10.5	10.5	10.5	10.5	42	88.421053	83.076923	88.421053	86.153846
38	21.5	12.5	21.5	11.5	6.5	6.5	6.5	6.5	26	58.947368	58.461538	58.947368	55.384615
39	28.5	15.5	28.5	15.5	8.25	8.25	8.25	8.25	33	77.368421	73.076923	77.368421	73.076923
40	21.5	12.5	22.5	10.5	5.75	5.75	5.75	5.75	23	57.368421	56.153846	59.473684	50
41	30.5	16.5	30.5	16.5	10.25	10.25	10.25	10.25	41	85.789474	82.307692	85.789474	82.307692
42	28.5	15.5	28.5	15.5	9	9	9	9	36	78.947368	75.384615	78.947368	75.384615
43	30.5	16.5	30.5	16.5	9.75	9.75	9.75	9.75	39	84.736842	80.769231	84.736842	80.769231
44	30.5	16.5	30.5	16.5	8.75	8.75	8.75	8.75	35	82.631579	77.692308	82.631579	77.692308
AVERAGE	27.346154	14.5	27.423077	15.269231	8.0769231	8.0769231	8.0769231	8.0769231	12.307692	74.574899	69.467456	74.756843	71.65417

Supriya. CB
Course Instructor

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19 (EVEN Sem)	Faculty	: Vinuthan V R
Subject	:Construction Management and Entrepreneurship	Semester	: 6
Code	: 15CV61		

Course Outcomes	
CO1	Understand the construction management process
CO2	Understand and solve variety of issues that are encountered by every professional in discharging professional duties.
CO3	Fulfill the professional obligations effectively with global outlook

CO-PO-Mapping

	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	0	0	0	0	2	2	2	0	1	0	1
CO2	2	0	0	0	0	2	2	2	0	1	0	1
CO3	2	0	0	0	0	2	2	2	0	1	0	1
Average	**2**	**0**	**0**	**0**	**0**	**2**	**2**	**2**	**0**	**1**	**0**	**1**
											OVERALL MAPPING OF SUBJECT	**1.67**

CO-PO ATTAINMENT

COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	54.23	1.08	0	0	0	0	1.08	1.08	1.08	0	0.54	0	0.54	0.90
CO2	54.23	1.08	0	0	0	0	1.08	1.08	1.08	0	0.54	0	0.54	0.90
CO3	54.22	1.08	0	0	0	0	1.08	1.08	1.08	0	0.54	0	0.54	0.90
Average	**54.23**	**1.08**	**0.00**	**0.00**	**0.00**	**0.00**	**1.08**	**1.08**	**1.08**	**0.00**	**0.54**	**0.00**	**0.54**	**0.90**
													FINIAL ATTAINMENT	**0.90**

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15CV61

SL/No	USN NO	IA 1		IA2		IA3		ASSING MENT				CIE MARKS			SEE MARKS				COS PERCENTAGE		
		CO1	TOTAL	CO2	TOTAL	CO3	TOTAL	CO1	CO2	CO3	TOTAL	CO1	CO2	CO3	CO1	CO2	CO3	SEE	CO1=43.34	CO2=43.34	CO3=43.33
1	1SV13CV006	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	7.5	7.5	7.5	41	51.1537	51.1537	51.1424
2	1SV13CV007	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	8.5	8.5	8.5	42	53.461	53.461	53.4503
3	1SV13CV013	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	9.5	9.5	9.5	43	55.7683	55.7683	55.7581
4	1SV13CV029	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	11.25	11.25	11.25	47	59.8062	59.8062	59.7969
5	1SV13CV041	14	14	14	14	14	14	1.67	1.67	1.66	5	15.67	15.67	15.66	10.5	10.5	10.5	6	60.383	60.383	60.3739
6	1SV13CV045	12	12	12	12	12	12	1.67	1.67	1.66	5	13.67	13.67	13.66	7.75	7.75	7.75	37	49.4232	49.4232	49.4115
7	1SV13CV046	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	8.5	8.5	8.5	32	53.461	53.461	53.4503
8	1SV13CV051	14	14	14	14	14	14	1.67	1.67	1.66	5	15.67	15.67	15.66	9	9	9	22	56.922	56.922	56.9121
9	1SV13CV054	13	13	13	13	13	13	1.67	1.67	1.66	5	14.67	14.67	14.66	6	6	6	37	47.6927	47.6927	47.6806
		13.1111	13.1111	13.1111	13.1111	13.1111	13.1111	1.67	1.67	1.66	5	14.7811	14.7811	14.7711	8.72222	8.72222	8.72222	36.3333	54.2301	54.2301	54.2196

Course instructor

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	DESIGN OF STEEL STRUCTURAL ELEMENTS	SUBJECT CODE	15CV62

COURSE OUTCOME

CO1. Possess a knowledge of Steel Structures Advantages and Disadvantages of Steel structures, steel code provisions and plastic behaviour of structural steel

CO2. Understand the Concept of Bolted and Welded connections.

CO3. Understand the Concept of Design of compression members, built-up columns and columns splices.

CO4. Understand the Concept of Design of tension members, simple slab base and gusseted base.

CO5. Understand the Concept of Design of laterally supported and un-supported steel beams.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mr. MANOGNA H N											
BRANCH	CV		ACADEMIC YEAR								2018-19	
COURSE	B.E	SEMESTER	V									
SUBJECT	DESIGN OF STEEL STRUCTURAL ELEMENTS					SUBJECT CODE					15CV62	
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3										1
CO2	3	3										1
CO3	3	3										1
CO4	3	3										1
CO5	3	3										1
AVERAGE	3	3										1
											OVERALL MAPPING OF SUBJECT	2.33

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	67.71	2.03	2.03										0.68
CO2	60.09	1.80	1.80										0.60
CO3	60.09	1.80	1.80										0.60
CO4	60.09	1.80	1.80										0.60
CO5	60.09	1.80	1.80										0.60
Avg	61.61	1.85	1.85										0.62
												Final attainment level	1.44

Course Instructor

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Subject: Design of Steel Structural Elements	Subject Code: 15CV62

SL NO	USN	STUDENT NAME	IA 1	IA 2		IA 3		ASSIGNMENT MARKS					102.00 marks	SEE				
			CO1 15 marks	CO2 7.5mark	CO3 7.5mark	CO4 7.5mark/y	CO5 7.5mark	CO1	CO2	CO3	CO4	CO5		CO1	CO2	CO3	CO4	CO5
1	1SV15CV006	Aarangesh shiv aman	13	6.50	6.5	6.5	6.5	1	1	1	1	1	58	5.6	5.6	5.6	5.6	5.6
2	1SV15CV007	Akanshikhan D	13	6.50	6.5	6.5	6.5	1	1	1	1	1	59	7.8	7.8	7.8	7.8	7.8
3	1SV15CV017	Ananda S.D	13	7.50	7.5	7.5	7.5	1	1	1	1	1	51	6.2	6.2	6.2	6.2	6.2
4	1SV15CV021	Lakshmi sagar R	13	7.50	7.5	7.5	7.5	1	1	1	1	1	57	7.4	7.4	7.4	7.4	7.4
5	1SV15CV041	Pallavi B	13	6.50	6.5	6.5	6.5	1	1	1	1	1	55	7	7	7	7	7
6	1SV15CV043	Rakshith J	14	7.00	7	7	7	1	1	1	1	1	51	6.2	6.2	6.2	6.2	6.2
7	1SV15CV046	Rakshith R D	14	7.00	7	7	7	1	1	1	1	1	58	5.6	5.6	5.6	5.6	5.6
8	1SV15CV051	Sindhu S	13	7.50	7.5	7.5	7.5	1	1	1	1	1	54	10.2	10.2	10.2	10.2	10.2
9	1SV15CV054	Somasekhara Reddy	13	6.50	6.5	6.5	6.5	1	1	1	1	1	75	5	5	5	5	5

avg

TOTAL CO'S ATTAINMENT

CO1 22 MARKS	CO2 24.5 MARKS	CO3 24.5 MARKS	CO4 24.5 MARKS	CO5 24.5 MARKS
0.62	0.53	0.53	0.53	0.53
0.60	0.62	0.62	0.62	0.62
0.60	0.60	0.60	0.60	0.60
0.73	0.65	0.65	0.65	0.65
0.66	0.59	0.59	0.59	0.59
0.60	0.58	0.58	0.58	0.58
0.64	0.56	0.56	0.56	0.56
0.82	0.76	0.76	0.76	0.76
0.59	0.53	0.53	0.53	0.53
0.68	0.60	0.60	0.60	0.60
3	3	3	3	3
2.03	1.80	1.80	1.80	1.80

PERCENTAGE OF TOTAL CO'S ATTAINMENT

CO1	CO2	CO3	CO4	CO5
61.25	53.47	53.47	53.47	53.47
60.13	62.45	62.45	62.45	62.45
60.38	60.00	60.00	60.00	60.00
73.13	64.90	64.90	64.90	64.90
65.63	59.38	59.38	59.38	59.38
66.25	57.96	57.96	57.96	57.96
64.38	55.51	55.51	55.51	55.51
83.88	76.33	76.33	76.33	76.33
59.38	53.02	53.02	53.02	53.02
67.71	60.09	60.09	60.09	60.09
3	3	3	3	3

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	:2018-19 (Even Sem)	Faculty	: Mr. Prakash J
Subject	:Highway Engineering	Semester	: 6
Code	: 15CV63		

Course Outcomes	
CO1	Acquire the capability of proposing a new alignment or re-alignment of existing roads, conduct necessary field investigation for generation of required data.
CO2	Evaluate the engineering properties of the materials and suggest the suitability of the same for pavement construction.
CO3	Design road geometrics, structural components of pavement and drainage.
CO4	Evaluate the highway economics by few select methods and also will have a basic knowledge of various highway financing concepts.

CO-PO Mapping

	POs											
COS	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2	0	0	0	0	1	1	0	0	0	1
CO2	3	2	0	0	0	1	0	1	0	0	0	1
CO3	3	2	0	0	0	0	1	1	0	0	0	1
CO4	2	2	0	0	0	1	1	1	0	0	0	1
Average	**2.75**	**2**	0	0	0	**1**	**1**	**1**	0	0	0	**1**
											OVERALL MAPPING OF SUBJECT	**1.45**

CO-PO ATTAINMENT

		POs												
COS	% COS	1	2	3	4	5	6	7	8	9	10	11	12	
CO1	71.53	2.15	1.43	0	0	0	0	0.72	0.72	0	0	0	0.72	1.15
CO2	66.72	2.00	1.33	0	0	0	0.67	0	0.67	0	0	0	0.67	1.07
CO3	72.11	2.16	1.44	0	0	0	0	0.72	0.72	0	0	0	0.72	1.15
CO4	66.72	1.33	1.33	0	0	0	0.67	0.67	0.67	0	0	0	0.67	0.89
Average	**69.27**	**1.91**	**1.39**	**0.00**	**0.00**	**0.00**	**0.34**	**0.53**	**0.69**	**0.00**	**0.00**	**0.00**	**0.69**	**0.92**
													FINIAL ATTAINMENT	**1.06**

Course Instructor

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SUB CODE:15CV64 HIGHWAY ENGINEERING VI SEM PRAKASH J

Sl.No.	USN NO	Name of the Student	IA 1		IA2			IA3			ASSIGNMENT					CIE MARKS				SEE MARKS				SEE	CO PERCENTAGE			
			CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4		CO1=26	29.25 CO2	CO3=25	CO4=29.25
1	1SV15CV006	[illegible]	14	14	7	6	13	7	6	13	1.25	1.25	1.25	1.25	5	17.25	8.25	14.25	9.25	7.5	7.5	7.5	7.5	80	62.75	[illegible]	62.50	57.20
2	1SV15CV007	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	8.25	8.5	8.5	8.5	8.5	84	68.25	[illegible]	47.53	43.58
3	1SV15CV021	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	9.5	9.5	9.5	9.5	88	73.23	[illegible]	50.25	38.75
4	1SV15CV025	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	11.25	11.25	11.25	11.25	45	75.64	[illegible]	55.33	42.79
5	1SV15CV041	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	10.5	10.5	10.5	10.5	42	73.75	[illegible]	53.68	49.59
6	1SV15CV043	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	7.75	7.75	7.75	7.75	31	60.09	[illegible]	39.72	30.77
7	1SV15CV046	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	8.5	8.5	8.5	8.5	34	68.25	[illegible]	47.53	40.27
8	1SV15CV051	[illegible]	15	15	8	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	8	8	8	8	36	69.69	[illegible]	48.94	38.69
9	1SV15CV058	[illegible]	15	15	7	7	15	[illegible]	[illegible]	[illegible]	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	8	8	8	8	35	61.38	[illegible]	40.03	34.79
		AVERAGE	14.67	14.67	7.33	6.67	14.00	6.78	1.56	7.33	1.25	1.25	1.25	1.25	5.00	15.92	8.58	8.69	2.81	8.72	8.72	8.72	8.72	24.89	67.97	56.17	49.41	39.41

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(EVEN Sem)**	**Faculty**	**: Bhavya C H**
Subject	:Water Supply & Treatment Engineering	**Semester**	: 6
Code	: 15CV64		

Subject: WATER SUPPLY AND TREATMENT ENGINEERING	**Subject Code:15CV64**
Course Outcomes	
CO1	**Estimate average and peak water demand for a community.**
CO2	**Evaluate available sources of water, quantitatively and qualitatively and make appropriate choice for a community.**
CO3	**Evaluate water quality and environmental significance of various parameters and plan suitable treatment system.**
CO4	**Design a comprehensive water treatment and distribution system to purify and distribute water to the required quality standards.**

CO-PO-Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	1	0	0	0	2	2	2	0	1	0	1
CO2	2	1	0	0	0	2	2	2	0	1	0	1
CO3	2	1	0	0	0	2	2	2	0	1	0	1
CO4	2	1	0	0	0	2	2	2	0	1	0	1
Average	**2**	**1**	**0**	**0**	**0**	**2**	**2**	**2**	**0**	**1**	**0**	**1**
OVERALL MAPPING OF SUBJECT = 0.99												

CO-PO ATTAINMENT

COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	**66.05**	1.32	0.66	0	0	0	1.32	1.32	1.32	0	0.66	0	0.66	1.04
CO2	**57.45**	1.15	0.57	0	0	0	1.15	1.15	1.15	0	0.57	0	0.57	0.90
CO3	**67.93**	1.36	0.68	0	0	0	1.36	1.36	1.36	0	0.68	0	0.68	1.07
CO4	**60.59**	1.21	0.61	0	0	0	1.21	1.21	1.21	0	0.61	0	0.61	0.95
Average	**63.01**	**1.26**	**0.63**	**0.00**	**0.00**	**0.00**	**1.26**	**1.26**	**1.26**	**0.00**	**0.63**	**0.00**	**0.63**	0.99
FINIAL ATTAINMENT														**0.92**

Course Instructor

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15CV64

Sl.No	USN NO	IA 1		IA2			IA3			ASSIGNMENT					CIE MARKS				SEE MARKS					COS PERCENTAGE			
		CO1	TOTAL	CO2	CO1	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	SEE	CO1+30 %	29.25	CO3+35 %	CO4+29.2
1	15V15CV006	13	13	7	6	13	6	7	13	1.25	1.25	1.25	1.25	5	14.25	8.25	14.25	8.25	10	10	10	10	40	66.8966	62.3932	68.7943	62.3932
2	15V15CV007	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	12.25	7.25	10.5	10.5	10.5	10.5	42	62.7586	60.6838	64.539	60.6838
3	15V15CV015	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	11.5	11.5	11.5	11.5	46	68.2759	64.1026	70.2128	64.1026
4	15V15CV029	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	11.5	11.5	11.5	11.5	46	73.7931	67.5214	75.8865	67.5214
5	15V15CV041	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	16.25	9.25	4	4	4	4	16	55.8621	45.2991	57.4468	45.2991
6	15V15CV045	12	12	6	6	12	6	6	12	1.25	1.25	1.25	1.25	5	13.25	7.25	13.25	7.25	8.75	8.75	8.75	8.75	35	60.6897	54.7009	62.4113	54.7009
7	15V15CV046	15	15	8	7	15	7	8	15	1.25	1.25	1.25	1.25	5	16.25	9.25	16.25	9.25	12.75	12.75	12.75	12.75	51	80	75.2137	82.2695	75.2137
8	15V15CV051	14	14	7	7	14	7	7	14	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	8.25	14.25	14.25	14.25	14.25	57	81.3793	70.9231	83.6879	70.9231
9	15V15CV054	11	11	6	5	11	5	6	11	1.25	1.25	1.25	1.25	5	12.25	7.25	12.25	7.25	4	4	4	4	16	44.8276	38.8615	46.0993	38.4615
		13	13	6.77778	6.22222	13	6.22222	6.77778	13	1.25	1.25	1.25	1.25	5	14.25	8.02778	14.25	8.02778	9.69444	9.69444	9.69444	9.69444	38.7778	66.0536	57.4549	67.9275	60.5888

Course Instructor

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DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	GROUND IMPROVEMENT TECHNIQUES	SUBJECT CODE	15CV654

COURSE OUTCOME

CO1. Give solutions to solve various problems associated with soil formations having less strength.

CO2. Use effectively the various methods of ground improvement techniques depending upon the requirements.

CO3. Utilize properly the locally available materials and techniques for ground improvement so that economy in the design of foundations of various civil engineering structures

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Dr. G. Mahesh Kumar											
BRANCH	CIVIL ENGINEERING			ACADEMIC YEAR			2018-19					
COURSE	B.E	SEMESTER		6	SECTION		---					
SUBJECT	GROUND IMPROVEMENT TECHNIQUES				SUBJECT CODE		15CV654					
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	2	2	2	1	0	2	1	2	3
CO2	3	1	1	1	2	2	1	2	1	2	2	3
CO3	3	1	1	1	2	2	1	2	1	2	2	3
AVERAGE	3	1	1	1.3	2	2	1	1.33	1.33	1.67	2	3
OVERALL MAPPING OF SUBJECT												1.88

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO1	65.74	3	1	1	2	2	2	1	0	2	1	2	3	1.82
CO2	61.64	3	1	1	1	2	2	1	2	1	2	2	3	1.75
CO3	60.83	3	1	1	1	2	2	1	2	1	2	2	3	1.75
Average		3	1	1	1.33	2	2	1	1.33	1.333	1.6667	2	3	1.77

Course Instructor

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ACADEMIC 2018-19(EVEN) GIT 15CV654

	8	7		8	7		8	7				2	2	1		30	25	25			48	42	40				
VI		IA TEST 1			IA TEST 2			IA TEST 3																			
USN	CO1	CO2	TOTAL	CO1	CO3	TOTAL	CO2	CO3	TOTAL	TOT(15)	Assmt	CO1	CO2	CO3	CIE	CO1	CO2	CO3	SEE(M	G	TOT.	CO1	CO2	CO3		CO1	CO2	CO3
1SV15CV006	7	7	14	7	8	15	0	0	15	15	5	2	2	1	20	12	12	10	34	54	28	21	19			58.33	50	47.5
1SV15CV007	8	6	14	7	7	14	4	5	13	14	5	2	2	1	19	18	18	16	52	71	35	30	27			72.92	71.429	67.5
1SV15CV015	7	7	14	8	6	14	0	0	13	14	5	2	2	1	19	15	15	17	47	66	32	24	24			66.67	57.143	60
1SV15CV029	8	7	15	8	6	14	3	0	15	15	5	2	2	1	20	20	15	16	51	71	38	27	23			79.17	64.286	57.5
1SV15CV041	6	8	14	8	5	13	2	5	14	14	5	2	2	1	19	20	15	19	54	73	36	27	30			75	64.286	75
1SV15CV045	6	5	11	5	5	10	0	0	11	11	5	2	2	1	16	12	12	10	34	50	25	19	16			52.08	45.238	40
1SV15CV046	8	7	15	4	3	15	7	7	14	15	5	2	2	1	20	20	15	15	50	70	34	31	26			70.83	73.81	65
1SV15CV051	7	8	15	8	7	15	5	8	14	15	5	2	2	1	20	15	15	15	45	65	32	30	31			66.67	71.429	77.5
1SV15CV054	5	5	10	5	5	11	5	6	11	11	5	2	2	1	16	12	12	11	35	51	24	24	23			50	57.143	57.5
TOTAL	62	60	122	60	52	121	26	29	120	124	45	18	18	9	169	144	129	129	402	571	284	233	219			591.7	554.76	547.5
Students	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			9	9	9
Average	6.89	6.667	13.556	6.67	5.78	13.444	2.89	3.222	13.333	13.778	5	2	2	1	18.8	16	14.33	14.3	44.7	63.4	31.6	25.89	24.3			65.74	61.64	60.833

Course Instructor

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Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Sira Road, Tumakuru - 572 106. Karnataka.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19(EVEN Sem)**	**Faculty**	**: Akshatha V**
Subject	:Water Resource Management	**Semester**	: 6
Code	: 15CV661		

Course Outcomes	
CO1	Assess the potential of groundwater and surface water resources.
CO2	Address the issues related to planning and management of water resources.
CO3	Know how to implement IWRM in different regions
CO4	Understand the legal issues of water policy.
CO5	Select the method for water harvesting based on the area.

CO-PO Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	0	0	0	0	1	1	1	0	1	0	1
CO2	2	0	0	0	0	1	1	1	0	1	0	1
CO3	2	0	0	0	0	1	1	1	0	1	0	1
CO4	2	0	0	0	0	1	1	1	0	1	0	1
CO5	2	0	0	0	0	1	1	1	0	1	0	1
Average	**2**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**0**	**1**	**0**	**1**
											OVERALL MAPPING OF SUBJECT	**1**

CO-PO ATTAINMENT

COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	76.32	1.53	0	0	0	0	0.76	0.76	0.76	0	0.76	0	0.76	0.89
CO2	68.42	1.37	0	0	0	0	0.68	0.68	0.68	0	0.68	0	0.68	0.80
CO3	73.98	1.48	0	0	0	0	0.74	0.74	0.74	0	0.74	0	0.74	0.86
CO4	73.24	1.46	0	0	0	0	0.73	0.73	0.73	0	0.73	0	0.73	0.85
CO5	73.98	1.48	0	0	0	0	0.74	0.74	0.74	0	0.74	0	0.74	0.86
Average	**73.19**	**1.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.73**	**0.73**	**0.73**	**0.00**	**0.73**	**0.00**	**0.73**	0.85
												FINIAL ATTAINMENT		**0.85**

Course Instructor

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TUMKUR - 572105.

Sl.No	USN NO	Name of the Student	IA1		IA2			IA3			ASSIGNMENT						CIE MARKS					SEE MARKS						COS PERCENTAGE				
			CO1	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5	SEE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	11	11	6	5	11	6	5	11	1	1	1	1	1	5	12	7	6	7	6	9.2	9.2	9.2	9.2	9.2	46	66.25	64.8	65.3333	64.8	65.3333
2	[illegible]	[illegible]	14	14	7	7	14	7	7	14	1	1	1	1	1	5	13	8	8	8	8	11.2	11.2	11.2	11.2	11.2	56	81.875	56.8	80	76.8	80
3	[illegible]	Ganesh [illegible]	14	14	7	7	14	7	7	14	1	1	1	1	1	5	13	9	8	9	9	12	12	12	12	12	60	84.375	80	83.3333	80	83.3333
4	[illegible]	[illegible]	13	13	7	6	13	7	6	13	1	1	1	1	1	5	14	8	7	8	7	10.4	10.4	10.4	10.4	10.4	52	76.25	75.6	72.5	75.6	72.5
5	[illegible]	[illegible]	13	13	7	6	13	7	6	13	1	1	1	1	1	5	14	8	7	8	7	11.8	11.8	11.8	11.8	11.8	59	80.625	79.2	78.3333	79.2	78.3333
6	[illegible]	[illegible]	12	12	6	6	12	6	6	12	1	1	1	1	1	5	13	7	7	7	7	10.8	10.8	10.8	10.8	10.8	54	74.375	73.2	74.1667	73.2	74.1667
7	[illegible]	[illegible]	13	13	7	6	13	7	6	13	1	1	1	1	1	5	14	8	7	8	7	11.6	11.6	11.6	11.6	11.6	58	80	78.4	77.5	78.4	77.5
8	[illegible]	[illegible]	13	13	7	6	13	7	6	13	1	1	1	1	1	5	14	8	7	8	7	11.8	11.8	11.8	11.8	11.8	59	80.625	79.2	78.3333	79.2	78.3333
9	[illegible]	[illegible]	12	12	6	6	12	6	6	12	1	1	1	1	1	5	13	7	7	7	7	7	7	7	7	7	35	62.5	56	58.3333	56	58.3333
		AVERAGE	12.7778	12.7778	6.66667	6.11111	12.7778	6.66667	6.11111	12.7778	1	1	1	1	1	5	13.7778	7.66667	7.11111	7.66667	7.11111	10.6444	10.6444	10.6444	10.6444	10.6444	53.2222	76.1104	[illegible]	[illegible]	75.2444	[illegible]

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Principal

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DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19 (EVEN Sem)**	**Faculty**	**:Mrs. Supriya C B**
Subject	:QUANTITY SURVEYING AND CONTRACT MANAGEMENT	**Semester**	: 8
Code	: 15CV81		

Course Outcomes	
CO1	Taking out quantities and work out the cost and preparation of abstract for the estimated cost for various civil engineering works.
CO2	Prepare detailed and abstract estimates for various road works, structural works and water supply and sanitary works.
CO3	Prepare the specifications and analyze the rates for various items of work.
CO4	Assess contract and tender documents for various construction works.
CO5	Prepare valuation reports of buildings.

CO-PO-Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	2	3	0	0	0	0	0	0	0	0	0	0
CO2	2	3	3	0	0	0	0	2	0	0	0	0
CO3	2	3	3	0	0	0	0	2	0	0	0	0
CO4	2	3	3	0	0	0	0	2	0	0	0	0
CO5	2	3	0	0	0	0	0	0	0	0	0	0
Average	**2**	**3**	**3**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**
											OVERALL MAPPING OF SUBJECT	**2.5**

CO-PO ATTAINMENT

COS	**% COS**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	80.72	1.61	2.42	0	0	0	0	0	0	0	0	0	0	2.02
CO2	76.86	1.54	2.31	2.31	0	0	0	0	1.54	0	0	0	0	1.92
CO3	77.82	1.56	2.33	2.33	0	0	0	0	1.56	0	0	0	0	1.95
CO4	76.86	1.54	2.31	2.31	0	0	0	0	1.54	0	0	0	0	1.92
CO5	77.82	1.56	2.33	0	0	0	0	0	0	0	0	0	0	1.95
Average	**78.02**	**1.56**	**2.34**	**1.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.93**	**0.00**	**0.00**	**0.00**	**0.00**	1.55
													FINIAL ATTAINMENT	**1.95**

Course Instructor

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[illegible]

Sl No	USN NO	Name of the Student	IA 1 CO1	IA 1 TOTAL	IA2 CO2	IA2 CO3	IA2 TOTAL	IA3 CO4	IA3 CO5	IA3 TOTAL	ASSIGNMENT CO1	ASSIGNMENT CO2	ASSIGNMENT CO3	ASSIGNMENT CO4	ASSIGNMENT CO5	ASSIGNMENT TOTAL	CIE MARKS CO1	CIE MARKS CO2	CIE MARKS CO3	CIE MARKS CO4	CIE MARKS CO5	SEE MARKS CO1	SEE MARKS CO2	SEE MARKS CO3	SEE MARKS CO4	SEE MARKS CO5	SEE	CO PERCENTAGE CO1	CO PERCENTAGE CO2	CO PERCENTAGE CO3	CO PERCENTAGE CO4	CO PERCENTAGE CO5
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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		AVERAGE	13.77	13.77	7.15	6.62	13.77	7.15	6.62	13.77	1.00	1.00	1.00	1.00	1.00	5.00	14.77	8.15	7.62	8.15	7.62	11.06	11.06	11.06	11.06	11.06	55.31	80.72	76.96	77.92	76.86	77.92

Bhavya. C H

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SIET, TUMKUR - 6.

Principal

PRINCIPAL
SIET, TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

SUBJECT	DESIGN OF PRE STRESSED CONCRETE ELEMENTS	SUBJECT CODE	15CV82

COURSE OUTCOME

CO1. Understand the requirement of PSC members for present scenario.
CO2. Analyse the stresses encountered in PSC element during transfer and at working.
CO3. Understand the effectiveness of the design of PSC after studying losses
CO4. Capable of analyzing the PSC element and finding its efficiency
CO5. Design PSC beam for different requirements.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY		
FACULTY NAME	**Mr. MANOGNA H N**		
BRANCH	**CV**	**ACADEMIC YEAR**	**2018-19**
COURSE	**B.E**	**SEMESTER**	**VIII**
SUBJECT	DESIGN OF PRE STRESSED CONCRETE ELEMENTS	**SUBJECT CODE**	15CV82

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3										1
CO2	3	3										1
CO3	3	3										1
CO4	3	3										1
CO5	3	3										1
AVERAGE	3	3										1
											OVERALL MAPPING OF SUBJECT	2.33

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	64.50	1.93	1.93										0.64
CO2	60.01	1.80	1.80										0.60
CO3	60.01	1.80	1.80										0.60
CO4	60.01	1.80	1.80										0.60
CO5	60.01	1.80	1.80										0.60
AVERAGE	60.91	1.83	1.83										0.61
												Final attainment level of the course	1.42

Course Instructor **HOD**

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ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

Subject: DESIGN OF PRE STRESSED CONCRETE ELEMENTS

2018-19

SL NO	USN	IA 1	IA 2		IA 3		ASSIGNMENT MARKS					SEE 80 marks	SEE				
		CO1 15 marks	CO2 7.5mark	CO3 7.5mark	CO4 7.5marks	CO5 7.5mark	CO1	CO2	CO3	CO4	CO5		CO1	CO2	CO3	CO4	CO5
1	19V14CV046	10	5.00	5	5	5	1	1	1	1	1	28	5.6	5.6	5.6	5.6	5.6
2	19V13CV001	9	4.50	4.5	4.5	4.5	1	1	1	1	1	47	9.4	9.4	9.4	9.4	9.4
3	19V13CV002	14	7.00	7	7	7	1	1	1	1	1	46	9.2	9.2	9.2	9.2	9.2
4	19V13CV003	15	7.50	7.5	7.5	7.5	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2
5	19V13CV004	9	4.50	4.5	4.5	4.5	1	1	1	1	1	31	6.2	6.2	6.2	6.2	6.2
6	19V13CV008	13	6.50	6.5	6.5	6.5	1	1	1	1	1	49	9.8	9.8	9.8	9.8	9.8
7	19V13CV009	15	7.50	7.5	7.5	7.5	1	1	1	1	1	75	15	15	15	15	15
8	19V13CV010	15	7.50	7.5	7.5	7.5	1	1	1	1	1	52	10.4	10.4	10.4	10.4	10.4
9	19V13CV011	14	7.00	7	7	7	1	1	1	1	1	55	11	11	11	11	11
10	19V13CV012	11	5.50	5.5	5.5	5.5	1	1	1	1	1	32	6.4	6.4	6.4	6.4	6.4
11	19V13CV013	9	4.50	4.5	4.5	4.5	1	1	1	1	1	35	7	7	7	7	7
12	19V13CV014	15	7.50	7.5	7.5	7.5	1	1	1	1	1	41	8.2	8.2	8.2	8.2	8.2
13	19V13CV016	11	5.50	5.5	5.5	5.5	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2
14	19V13CV017	14	7.00	7	7	7	1	1	1	1	1	35	7	7	7	7	7
15	19V13CV018	14	7.00	7	7	7	1	1	1	1	1	34	6.8	6.8	6.8	6.8	6.8
16	19V13CV021	11	5.50	5.5	5.5	5.5	1	1	1	1	1	42	8.4	8.4	8.4	8.4	8.4
17	19V13CV022	12	6.00	6	6	6	1	1	1	1	1	39	7.8	7.8	7.8	7.8	7.8
18	19V13CV023	11	5.50	5.5	5.5	5.5	1	1	1	1	1	43	8.6	8.6	8.6	8.6	8.6
19	19V13CV026	9	4.50	4.5	4.5	4.5	1	1	1	1	1	30	6	6	6	6	6
20	19V13CV027	14	7.00	7	7	7	1	1	1	1	1	28	5.6	5.6	5.6	5.6	5.6
21	19V13CV030	13	6.50	6.5	6.5	6.5	1	1	1	1	1	42	8.4	8.4	8.4	8.4	8.4
22	19V13CV033	15	7.50	7.5	7.5	7.5	1	1	1	1	1	38	7.6	7.6	7.6	7.6	7.6
23	19V13CV034	10	5.00	5	5	5	1	1	1	1	1	40	8	8	8	8	8
24	19V13CV035	14	7.00	7	7	7	1	1	1	1	1	51	10.2	10.2	10.2	10.2	10.2
25	19V13CV036	12	6.00	6	6	6	1	1	1	1	1	42	8.4	8.4	8.4	8.4	8.4
26	19V13CV038	13	6.50	6.5	6.5	6.5	1	1	1	1	1	40	8	8	8	8	8
27	19V13CV039	14	7.00	7	7	7	1	1	1	1	1	40	8	8	8	8	8
28	19V13CV040	14	7.00	7	7	7	1	1	1	1	1	48	9.6	9.6	9.6	9.6	9.6
29	19V13CV043	15	7.50	7.5	7.5	7.5	1	1	1	1	1	42	8.4	8.4	8.4	8.4	8.4
30	19V13CV044	14	7.00	7	7	7	1	1	1	1	1	31	6.2	6.2	6.2	6.2	6.2
31	19V13CV047	7	3.50	3.5	3.5	3.5	1	1	1	1	1	33	6.6	6.6	6.6	6.6	6.6
32	19V13CV048	9	4.50	4.5	4.5	4.5	1	1	1	1	1	37	7.4	7.4	7.4	7.4	7.4
33	19V13CV049	9	4.50	4.5	4.5	4.5	1	1	1	1	1	28	5.6	5.6	5.6	5.6	5.6
34	19V13CV050	14	7.00	7	7	7	1	1	1	1	1	53	10.6	10.6	10.6	10.6	10.6
35	19V13CV052	13	6.50	6.5	6.5	6.5	1	1	1	1	1	17	3.4	3.4	3.4	3.4	3.4
36	19V13CV053	15	7.50	7.5	7.5	7.5	1	1	1	1	1	42	8.4	8.4	8.4	8.4	8.4
37	19V13CV053	9	4.50	4.5	4.5	4.5	1	1	1	1	1	41	8.2	8.2	8.2	8.2	8.2
38	19V13CV056	15	7.50	7.5	7.5	7.5	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2
39	19V13CV057	14	7.00	7	7	7	1	1	1	1	1	55	11	11	11	11	11
40	19V13CV058	15	7.50	7.5	7.5	7.5	1	1	1	1	1	44	8.8	8.8	8.8	8.8	8.8
41	19V13CV059	11	5.50	5.5	5.5	5.5	1	1	1	1	1	19	3.8	3.8	3.8	3.8	3.8
42	19V13CV060	3	3.50	3.5	3.5	3.5	1	1	1	1	1	31	6.2	6.2	6.2	6.2	6.2
43	19V13CV061	8	4.00	4	4	4	1	1	1	1	1	22	4.4	4.4	4.4	4.4	4.4
44	19V13CV062	15	7.50	7.5	7.5	7.5	1	1	1	1	1	59	11.8	11.8	11.8	11.8	11.8
45	19V16CV401	8	4.00	4	8	4	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2
46	19V16CV402	8	4.00	4	4	4	1	1	1	1	1	37	7.4	7.4	7.4	7.4	7.4
47	19V16CV403	8	4.00	4	4	4	1	1	1	1	1	22	4.4	4.4	4.4	4.4	4.4
48	19V16CV404	11	5.50	5.5	5.5	5.5	1	1	1	1	1	52	10.4	10.4	10.4	10.4	10.4
49	19V16CV406	10	5.00	5	5	5	1	1	1	1	1	31	6.2	6.2	6.2	6.2	6.2
50	19V16CV407	8	4.00	4	4	4	1	1	1	1	1	28	5.6	5.6	5.6	5.6	5.6
51	19V16CV408	11	5.50	5.5	5.5	5.5	1	1	1	1	1	30	6	6	6	6	6
52	19V16CV409	13	6.50	6.5	6.5	6.5	1	1	1	1	1	31	6.2	6.2	6.2	6.2	6.2
53	19V16CV410	15	7.50	7.5	7.5	7.5	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2
54	19V16CV411	13	6.50	6.5	6.5	6.5	1	1	1	1	1	52	10.4	10.4	10.4	10.4	10.4
55	19V16CV412	10	5.00	5	5	5	1	1	1	1	1	41	8.2	8.2	8.2	8.2	8.2
56	19V16CV413	10	5.00	5	5	5	1	1	1	1	1	33	6.6	6.6	6.6	6.6	6.6

TOTAL COS ATTAINMENT

CO1 22 MARKS	CO2 24.5 MARKS	CO3 24.5 MARKS	CO4 24.5 MARKS	CO5 24.5 MARKS
0.52	0.47	0.47	0.47	0.47
0.61	0.61	0.61	0.61	0.61
0.76	0.70	0.70	0.70	0.70
0.73	0.64	0.64	0.64	0.64
0.53	0.48	0.48	0.48	0.48
0.74	0.71	0.71	0.71	0.71
0.97	0.96	0.96	0.96	0.96
0.83	0.77	0.77	0.77	0.77
0.81	0.76	0.76	0.76	0.76
0.58	0.53	0.53	0.53	0.53
0.53	0.51	0.51	0.51	0.51
0.76	0.68	0.68	0.68	0.68
0.60	0.56	0.56	0.56	0.56
0.69	0.61	0.61	0.61	0.61
0.68	0.60	0.60	0.60	0.60
0.64	0.61	0.61	0.61	0.61
0.65	0.60	0.60	0.60	0.60
0.64	0.62	0.62	0.62	0.62
0.50	0.47	0.47	0.47	0.47
0.64	0.56	0.56	0.56	0.56
0.70	0.65	0.65	0.65	0.65
0.74	0.66	0.66	0.66	0.66
0.59	0.57	0.57	0.57	0.57
0.79	0.74	0.74	0.74	0.74
0.67	0.63	0.63	0.63	0.63
0.68	0.63	0.63	0.63	0.63
0.72	0.65	0.65	0.65	0.65
0.77	0.72	0.72	0.72	0.72
0.76	0.69	0.69	0.69	0.69
0.66	0.58	0.58	0.58	0.58
0.61	0.45	0.45	0.45	0.45
0.54	0.53	0.53	0.53	0.53
0.63	0.45	0.45	0.45	0.45
0.80	0.76	0.76	0.76	0.76
0.54	0.44	0.44	0.44	0.44
0.76	0.69	0.69	0.69	0.69
0.57	0.56	0.56	0.56	0.56
0.73	0.64	0.64	0.64	0.64
0.81	0.78	0.78	0.78	0.78
0.78	0.71	0.71	0.71	0.71
0.49	0.42	0.42	0.42	0.42
0.44	0.44	0.44	0.44	0.44
0.42	0.38	0.38	0.38	0.38
0.81	0.83	0.83	0.83	0.83
0.51	0.50	0.50	0.50	0.50
0.51	0.51	0.51	0.51	0.51
0.42	0.38	0.38	0.38	0.38
0.70	0.69	0.69	0.69	0.69
0.54	0.50	0.50	0.50	0.50
0.46	0.43	0.43	0.43	0.43
0.50	0.51	0.51	0.51	0.51
0.63	0.56	0.56	0.56	0.56
0.73	0.64	0.64	0.64	0.64
0.76	0.73	0.73	0.73	0.73
0.60	0.58	0.58	0.58	0.58
0.55	0.51	0.51	0.51	0.51
AVG	0.64	0.60	0.60	0.60	0.60

PERCENTAGE OF TOTAL COS ATTAINMENT

	CO1	CO2	CO3	CO4	CO5
0.61	64.50	60.01	60.01	60.01	60.01

Course Instructor

HOD
Dept. of Civil Engineering
SIET, TUMKUR - 6.

Principal
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SIET., TUMAKURU.

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Sira Road, Tumakuru - 572 106. Karnataka.

DEPARTMENT OF CIVIL ENGINEERING

Academic Year	**:2018-19 (EVEN Sem)**	**Faculty**	**: Mr. Prakash J**
Subject	:Pavement Design	**Semester**	: 8
Code	: 15CV833		

Course Outcomes	
CO1	Systematically generate and compile required data's for design of pavement (Highway & Airfield).
CO2	Analyze stress, strain and deflection by boussinesq's, burmister's and westergaard's theory.
CO3	Design rigid pavement and flexible pavement conforming to IRC58-2002 and IRC37-2001.
CO4	Evaluate the performance of the pavement and also develops maintenance statement based on site specific requirements.

CO-PO Mapping

	POs											
COS	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	3	2	2	0	0	0	0	1	0	0	0	1
CO2	2	2	2	3	0	0	0	0	0	0	0	1
CO3	2	2	0	2	0	0	0	1	0	0	0	1
CO4	0	2	2	3	0	0	0	1	0	0	0	1
Average	**2.33**	**2**	**2**	**2.66**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**
											OVERALL MAPPING OF SUBJECT =	**1.83**

CO-PO ATTAINMENT

COS	**COS%**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
CO1	66.15	1.98	1.32	1.32	0	0	0	0	0.66	0	0	0	0.66	1.19
CO2	61.74	1.23	1.23	1.23	1.85	0	0	0	0	0	0	0	0.62	1.23
CO3	55.81	1.12	1.12	0	1.12	0	0	0	0.56	0	0	0	0.56	0.90
CO4	52.79	0	1.06	1.03	1.58	0	0	0	0.53	0	0	0	0.53	0.95
Avg.	**59.12**	**1.44**	**1.18**	**1.19**	**1.52**	**0.00**	**0.00**	**0.00**	**0.58**	**0.00**	**0.00**	**0.00**	**0.59**	**1.09**
												FINIAL ATTAINMENT		**1.07**

Course Instructor

HOD

HOD
Dept. of Civil Engineering
SIET, TUMKUR - 6.

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

15CV833 Pavement Design 2018-19 Even

IA 1		IA2			IA3			ASSINGMENT					CIE MARKS				SE MARKS					CO5 PERCENTAGE		
CO1	TOTAL	CO2	CO3	TOTAL	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	SIE	CO1=36.:	29.25	CO3=35.:	CO4=29.2
14	14	4	4	8	0	0	0	1.25	1.25	1.25	1.25	5	15.25	5.25	5.25	1.25	10.75	10.75	10.75	10.75	43	71.72	54.70	45.39	41.03
15	15	3	4	7	0	0	0	1.25	1.25	1.25	1.25	5	16.25	4.25	5.25	1.25	11.25	11.25	11.25	11.25	45	75.86	52.99	46.81	42.74
13	13	7	7	14	3	5	8	1.25	1.25	1.25	1.25	5	14.25	8.25	11.25	6.25	9.75	9.75	9.75	9.75	39	66.21	61.54	59.57	54.70
15	15	8	7	15	0	0	0	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	12.75	12.75	12.75	12.75	51	80.00	75.21	59.57	47.86
15	15	5	5	10	0	0	0	1.25	1.25	1.25	1.25	5	16.25	6.25	6.25	1.25	13	13	13	13	52	80.69	65.81	54.61	48.72
15	15	0	0	0	5	8	13	1.25	1.25	1.25	1.25	5	16.25	1.25	6.25	9.25	14.75	14.75	14.75	14.75	59	85.52	54.70	59.57	82.05
15	15	8	7	15	0	0	0	1.25	1.25	1.25	1.25	5	16.25	9.25	8.25	1.25	19.5	19.5	19.5	19.5	78	98.62	98.29	78.72	70.94
13	13	0	3	3	7	8	15	1.25	1.25	1.25	1.25	5	14.25	1.25	11.25	9.25	12.5	12.5	12.5	12.5	50	73.79	47.01	67.38	74.36
14	14	7	7	14	0	6	6	1.25	1.25	1.25	1.25	5	15.25	8.25	8.25	7.25	16.75	16.75	16.75	16.75	67	88.28	85.47	70.92	82.05
9	9	3	3	6	0	0	0	1.25	1.25	1.25	1.25	5	10.25	4.25	4.25	1.25	8.5	8.5	8.5	8.5	34	51.72	43.59	36.17	33.33
8	8	0		0	0	4	4	1.25	1.25	1.25	1.25	5	10.25	1.25	1.25	5.25	12	12	12	12	48	61.38	45.30	37.59	58.97
15	15	8	7	15	7	6	13	1.25	1.25	1.25	1.25	5	16.25	9.25	15.25	7.25	13.25	13.25	13.25	13.25	53	81.38	76.92	80.85	70.09
10	10	7	0	7	0	6	6	1.25	1.25	1.25	1.25	5	11.25	8.25	1.25	7.25	14.25	14.25	14.25	14.25	57	70.34	76.92	43.97	73.50
14	14	5	5	10	5	5	10	1.25	1.25	1.25	1.25	5	15.25	6.25	11.25	6.25	12	12	12	12	48	75.17	62.39	65.96	62.39
13	13	8	7	15	6	7	13	1.25	1.25	1.25	1.25	5	14.25	9.25	14.25	8.25	14.75	14.75	14.75	14.75	59	80.00	82.05	82.27	78.63
15	15	6	6	12	0	8	8	1.25	1.25	1.25	1.25	5	16.25	7.25	7.25	9.25	11.75	11.75	11.75	11.75	47	77.24	64.96	53.90	71.79
14	14	6	6	12	5	8	13	1.25	1.25	1.25	1.25	5	15.25	7.25	12.25	9.25	13	13	13	13	52	77.93	69.23	71.63	76.07
14	14	6	5	11	5	5	10	1.25	1.25	1.25	1.25	5	15.25	7.25	11.25	6.25	12	12	12	12	48	75.17	65.81	65.96	62.39
15	15	7	6	13	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	7.25	1.25	10.75	10.75	10.75	10.75	43	74.48	64.96	51.06	41.03
13	13	8	7	15	0	3	3	1.25	1.25	1.25	1.25	5	14.25	9.25	8.25	4.25	12.25	12.25	12.25	12.25	49	73.10	73.50	58.16	56.41
15	15	6	6	12	3	6	9	1.25	1.25	1.25	1.25	5	16.25	7.25	10.25	7.25	10.5	10.5	10.5	10.5	42	73.79	60.68	58.87	60.68
15	15	7	6	13	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	7.25	1.25	12.5	12.5	12.5	12.5	50	79.31	70.94	56.03	47.01
15	15	0	6	6	4	4	8	1.25	1.25	1.25	1.25	5	16.25	1.25	11.25	5.25	11.75	11.75	11.75	11.75	47	77.24	44.44	65.25	58.12
14	14	7	7	14	7	6	13	1.25	1.25	1.25	1.25	5	15.25	8.25	15.25	7.25	14.25	14.25	14.25	14.25	57	81.38	76.92	83.69	73.50
12	12	5	5	10	0	0	0	1.25	1.25	1.25	1.25	5	13.25	6.25	6.25	1.25	10.25	10.25	10.25	10.25	41	64.83	56.41	46.81	39.32
15	15	7	7	14	7	8	15	1.25	1.25	1.25	1.25	5	16.25	8.25	15.25	9.25	13.5	13.5	13.5	13.5	54	82.07	74.36	81.56	77.78
15	15	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	8.25	1.25	12.25	12.25	12.25	12.25	49	78.62	70.09	58.18	46.15
15	15	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	8.25	1.25	10	10	10	10	40	72.41	63.39	51.77	38.46
14	14	6	5	11	6	7	13	1.25	1.25	1.25	1.25	5	15.25	7.25	12.25	8.25	18.75	18.75	18.75	18.75	75	93.79	88.89	87.94	82.31
13	13	0	7	7	5	6	11	1.25	1.25	1.25	1.25	5	14.25	1.25	13.25	7.25	14	14	14	14	56	77.93	52.14	77.30	72.65
9	9	5	5	10	0	8	8	1.25	1.25	1.25	1.25	5	10.25	6.25	6.25	9.25	10	10	10	10	40	55.86	55.56	46.10	65.81
15	15	3	6	9	4	4	8	1.25	1.25	1.25	1.25	5	16.25	4.25	11.25	5.25	15.25	15.25	15.25	15.25	61	86.90	66.67	75.18	70.09
12	12	1	0	1	5	5	10	1.25	1.25	1.25	1.25	5	13.25	2.25	6.25	6.25	12.5	12.5	12.5	12.5	50	71.03	50.43	53.19	64.10
15	15	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	16.25	8.25	8.25	1.25	15.5	15.5	15.5	15.5	62	87.59	81.20	67.38	57.26
15	15	6	2	8	0	0	0	1.25	1.25	1.25	1.25	5	16.25	7.25	3.25	1.25	11.5	11.5	11.5	11.5	46	76.55	64.10	41.84	43.59
15	15	8	7	15	6	8	13	1.25	1.25	1.25	1.25	5	16.25	9.25	14.25	7.25	17.25	17.25	17.25	17.25	69	92.41	90.60	89.30	83.76
0	0	3	0	3	4	7	11	1.25	1.25	1.25	1.25	5	1.25	4.25	5.25	8.25	13	13	13	13	52	39.31	58.97	51.77	72.65
15	15	7	8	15	4	0	4	1.25	1.25	1.25	1.25	5	16.25	8.25	13.25	1.25	10.25	10.25	10.25	10.25	41	73.10	63.25	66.67	35.32
15	15	6	5	11	4	5	9	1.25	1.25	1.25	1.25	5	16.25	7.25	10.25	6.25	9.5	9.5	9.5	9.5	38	71.03	57.26	56.03	53.85
11	11	7	6	14	4	4	8	1.25	1.25	1.25	1.25	5	12.25	8.25	11.25	5.25	8.75	8.75	8.75	8.75	35	57.93	58.12	56.74	47.86
15	15	0	3	3	5	8	13	1.25	1.25	1.25	1.25	5	16.25	1.25	9.25	9.25	15.75	15.75	15.75	15.75	63	88.28	58.12	70.92	85.47
15	15	0	1	1	4	0	4	1.25	1.25	1.25	1.25	5	16.25	1.25	6.25	1.25	9	9	9	9	36	69.66	35.04	43.26	35.04
0	0	8	7	15	0	7	7	1.25	1.25	1.25	1.25	5	1.25	9.25	8.25	8.25	7	7	7	7	28	22.76	55.56	43.26	52.14
14	14	8	7	15	5	6	11	1.25	1.25	1.25	1.25	5	15.25	9.25	13.25	7.25	17.25	17.25	17.25	17.25	69	89.66	90.60	86.52	83.76
14	14	0	0	0	4	4	8	1.25	1.25	1.25	1.25	5	15.25	1.25	5.25	5.25	7.25	7.25	7.25	7.25	31	62.07	20.06	35.46	42.74
4	4	4	5	9	4	5	9	1.25	1.25	1.25	1.25	5	5.25	5.25	10.25	6.25	10.5	10.5	10.5	10.5	42	43.45	53.85	58.87	57.26
14	14	5	5	10	0	0	0	1.25	1.25	1.25	1.25	5	15.25	6.25	6.25	1.25	14	14	14	14	56	80.69	69.23	57.45	52.14
11	11	7	7	14	0	0	0	1.25	1.25	1.25	1.25	5	12.25	8.25	8.25	1.25	16.75	16.75	16.75	16.75	67	80.00	85.47	70.92	61.54
14	14	5	5	10	1	0	1	1.25	1.25	1.25	1.25	5	15.25	6.25	7.25	1.25	13	13	13	13	52	77.93	65.81	57.45	48.72
10	10	0	6	6	0	6	6	1.25	1.25	1.25	1.25	5	11.25	1.25	7.25	7.25	7	7	7	7	28	50.34	28.21	40.43	48.72
12	12	5	5	10	0	3	3	1.25	1.25	1.25	1.25	5	13.25	6.25	6.25	2.25	10.25	10.25	10.25	10.25	41	64.83	56.41	46.81	42.74
15	15	8	5	13	4	4	8	1.25	1.25	1.25	1.25	5	16.25	9.25	10.25	5.25	10.5	10.5	10.5	10.5	42	73.79	67.52	58.87	53.85
15	15	8	7	15	4	4	8	1.25	1.25	1.25	1.25	5	16.25	7.25	12.25	5.25	11.5	11.5	11.5	11.5	46	76.55	64.10	67.38	57.26
14	14	8	5	13	0	0	0	1.25	1.25	1.25	1.25	5	15.25	9.25	6.25	1.25	13.25	13.25	13.25	13.25	53	78.62	76.92	55.32	49.57
11	11	7	6	13	0	0	0	1.25	1.25	1.25	1.25	5	12.25	8.25	7.25	1.25	9.25	9.25	9.25	9.25	37	59.31	59.83	46.81	35.90
0	0	0	4	4	0	0	11	1.25	1.25	1.25	1.25	5	1.25	1.25	5.25	1.25	13	13	13	13	52	39.31	48.72	51.77	48.72
11.38	11.38	5.46	5.38	10.69	1.69	2.85	4.54	1.25	1.25	1.25	1.25	5.00	12.63	6.71	8.33	4.10	11.35	11.35	11.35	11.35	45.54	66.15	61.74	55.81	52.79

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