

Academic Year : 2021-22(odd Sem) Faculty Dr. C Nagaraja / Prof. HN Maonogna
Subject : ELEMENTS OF CIVIL ENGINEERING AND MECHANICS Semester : 1 (A&B)
Code : 21CIV14

Course Outcomes

- CO1 Understand the various fields of Civil Engineering
CO2 Compute the resultant of a force system and resolution of a force
CO3 Comprehend the action for forces, moments and other types of loads on rigid bodies and compute the reactive forces
CO4 Locate the centroid and compute the moment of inertia of regular and built-up sections
CO5 Analyze the bodies in motion

CO PO MAPPING

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 1 | 1 | | | | 3 | 2 | | | | | 1 |
| CO2 | 2 | 3 | 2 | | | | | | | | | 1 |
| CO3 | 2 | 3 | 2 | | | | | | | | | 1 |
| CO4 | 2 | 2 | 3 | | | | | | | | | 1 |
| CO5 | 2 | 2 | 2 | 3 | | | | | | | | 1 |
| avg | 1.8 | 2.2 | 2.25 | 3 | | 3 | 2 | | | | | 2.17 |
| OVER ALL MAPPING | | | | | | | | | | | | 2.17 |

CO PO ATTAINMENT

| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| CO1 | 63.86 | 0.63 | 0.63 | 0.00 | 0.00 | 0.00 | 1.89 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 |
| CO2 | 61.67 | 1.23 | 1.85 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 |
| CO3 | 64.20 | 1.28 | 1.93 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 |
| CO4 | 56.87 | 1.14 | 1.14 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 |
| CO5 | 61.14 | 1.22 | 1.22 | 1.22 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 |
| avg | 61.35 | 1.1 | 1.35 | 1.38 | 1.84 | 0.00 | 1.84 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.32 |

C. Nagaraja
Course Instructor

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DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|------------------------|--|----------|----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Dr. C Nagaraja |
| Subject | :Strength of Materials | Semester | : 3 |
| Code | : 18CV32 | | |
| Course Outcomes | | | |
| 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. | | |

| | 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 |
| AVG | 1.8 | 2 | 2.4 | 1.75 | | | | | | | | 1.79 |
| OVERALL MAPPING | | | | | | | | | | | | |

| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---------------------------|-------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 30.45 | 0.6 | 0.9 | 0.6 | 0.3 | | | | | | | | 0.3 |
| CO2 | 34.94 | 0.7 | 0.7 | 1 | 0.7 | | | | | | | | 0.3 |
| CO3 | 35.33 | 0.4 | 0.4 | 0.4 | 0.0 | | | | | | | | 0.4 |
| CO4 | 52.87 | 1.1 | 1.1 | 1.6 | 1.1 | | | | | | | | 0.5 |
| CO5 | 52.87 | 1.1 | 1.1 | 1.6 | 1.1 | | | | | | | | 0.5 |
| AVG | 41.29 | 0.76 | 0.82 | 1.04 | 0.62 | | | | | | | | 0.87 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | |

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| Academic year | 2021-22 | SEM | IV | Total strength | COs | | | | | | | | | | | | | DS/VI | | | | | % of individual CO | | | | | | | |
|---------------|---------|-----|----|----------------|-------------|--------|--------|----------------|--------|-------|----------------|-------|-------|-------------------------|--------|--------|--------|---------------|--------|--------|---------------------|--------|--------------------|-------|-------|-------|-----|-----|-----|--|
| | | | | | TEST 1 (10) | | | IA TEST 2(10M) | | | IA TEST 3(10M) | | | ASSIGNMENT / QUIZ(10 M) | | | | SEE MARKS(10) | | | Total CO ATTAINMENT | | | | | | | | | |
| | | | | | CO1-30 | CO2-15 | CO3-15 | CO4-15 | CO5-15 | CO1-3 | CO2-3 | CO3-3 | CO4-3 | CO5-3 | CO1-10 | CO2-10 | CO3-10 | CO4-10 | CO5-10 | CO1-40 | CO2-20 | CO3-20 | CO4-20 | CO5 | CO1 | CO2 | CO3 | CO4 | CO5 | |
| 15V20CV001 | 21 | 15 | 15 | 30 | 30 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 30 | 23 | 23 | 23 | 23 | 23 | 62.5 | 71.9 | 71.9 | 81.3 | 81.3 | | | | |
| 15V20CV002 | 0 | 4 | 4 | 25 | 25 | 3 | 2 | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 4 | 8 | 8 | 8 | 28 | 28 | 8.3 | 18.8 | 18.8 | 38.3 | 38.3 | | | | |
| 15V20CV003 | 20 | 5 | 5 | 5 | 5 | 3 | 2 | 2 | 3 | 3 | 6 | 6 | 6 | 5 | 5 | 28 | 13 | 13 | 13 | 13 | 13 | 80.4 | 40.6 | 40.6 | 27.1 | 27.1 | | | | |
| 15V20CV005 | 23 | 10 | 10 | 27 | 27 | 3 | 2 | 2 | 3 | 3 | 6 | 7 | 6 | 6 | 5 | 32 | 18 | 18 | 18 | 26 | 26 | 66.7 | 38.4 | 38.3 | 35.0 | 35.0 | | | | |
| 15V20CV006 | 10 | 10 | 10 | 15 | 15 | 3 | 2 | 2 | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 17 | 17 | 18 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | | | | |
| 15V20CV007 | 11 | 6 | 6 | 12 | 12 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 17 | 11 | 11 | 19 | 19 | 19 | 25.4 | 34.4 | 34.4 | 39.8 | 39.8 | | | | |
| 15V20CV008 | 29 | 14 | 15 | 30 | 30 | 3 | 2 | 2 | 3 | 3 | 7 | 8 | 7 | 8 | 8 | 29 | 28 | 28 | 41 | 41 | 41 | 81.3 | 75.0 | 75.0 | 85.4 | 85.4 | | | | |
| 15V20CV009 | 22 | 11 | 11 | 22 | 22 | 3 | 2 | 2 | 3 | 3 | 6 | 6 | 6 | 7 | 7 | 31 | 19 | 19 | 32 | 32 | 32 | 64.6 | 33.4 | 33.4 | 66.7 | 66.7 | | | | |
| 15V20CV010 | 20 | 7 | 7 | 29 | 29 | 3 | 2 | 2 | 3 | 3 | 5 | 5 | 5 | 6 | 6 | 28 | 14 | 14 | 18 | 18 | 18 | 34.3 | 43.8 | 43.8 | 59.2 | 59.2 | | | | |
| 15V20CV011 | 1 | 7 | 8 | 13 | 13 | 3 | 2 | 2 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 5 | 10 | 10 | 16 | 16 | 16 | 30.4 | 31.3 | 31.3 | 33.3 | 33.3 | | | | |
| 15V20CV014 | 0 | 2 | 3 | 28 | 28 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 4 | 8 | 8 | 11 | 11 | 11 | 8.3 | 18.8 | 18.8 | 48.8 | 48.8 | | | | |
| 15V20CV015 | 13 | 7 | 7 | 24 | 24 | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 20 | 13 | 13 | 30 | 30 | 30 | 41.7 | 40.6 | 37.5 | 62.5 | 62.5 | | | | |
| 15V21CV000 | 8 | 14 | 14 | 25 | 25 | 3 | 2 | 2 | 3 | 3 | 9 | 9 | 9 | 9 | 9 | 20 | 25 | 25 | 37 | 37 | 37 | 41.7 | 38.1 | 38.1 | 77.1 | 77.1 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 30.46 | 34.84 | 35.33 | 62.87 | 62.87 | | | | |

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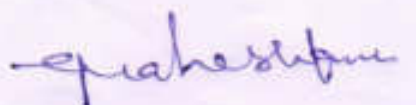
| | | | |
|----------------------|---------------------------|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Mrs. Bhavya C H |
| Subject | :Fluid Mechanics | Semester | : 3 |
| Code | :18CV33 | | |

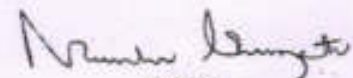
| COURSE OUTCOMES | |
|-----------------|--|
| CO1 | Possess a sound knowledge of fundamental properties of fluids and fluid Continuum |
| CO2 | . Compute and solve problems on hydrostatics, including practical applications |
| CO3 | Apply principles of mathematics to represent kinematic concepts related to fluid flow |
| CO4 | Apply fundamental laws of fluid mechanics and the Bernoulli's principle for practical applications |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 1 | 1 | | | | | 3 | | | | 1 |
| CO2 | 3 | 3 | 3 | | | | | 3 | | | | 2 |
| CO3 | 3 | 2 | 3 | | | | | 3 | | | | 2 |
| CO4 | 3 | 2 | 3 | | | | | 3 | | | | 2 |
| AVG | 2.75 | 2 | 2.5 | | | | | 3 | | | | 1.75 |
| OVERALL MAPPING | | | | | | | | | | | | 2.4 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|-----|-----|-----|-----|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 53.7 | 1.07 | 0.53 | 0.53 | | | | | 1.61 | | | | 0.54 |
| CO2 | 55.8 | 1.67 | 1.67 | 1.67 | | | | | 1.67 | | | | 1.11 |
| CO3 | 55.8 | 1.67 | 1.12 | 1.67 | | | | | 1.67 | | | | 1.11 |
| CO4 | 62.4 | 1.87 | 1.25 | 1.87 | | | | | 1.87 | | | | 1.24 |
| AVG | 56.89 | 1.57 | 1.14 | 1.43 | | | | | 1.70 | | | | 1.0 |
| OVERALL ATTAINMENT | | | | | | | | | | | | 1.37 | |


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| IA2 | | | IA3 | | | ASSIGNMENT | | | | | 40 MARKS | CIE MARKS | | | | SIE MARKS | | | | 60 MARKS | COS PERCENTAGE | | | |
|-----|-----|-------|-----|-----|-------|------------|-----|-----|-----|-------|----------|-----------|------|------|------|-----------|------|------|------|----------|----------------|----------|----------|----------|
| CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CIE | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | SIE | CO1=47.5 | CO2=32.5 | CO3=47.5 | CO4=32.5 |
| 15 | 15 | 30 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 39 | 30.5 | 17.5 | 17.5 | 17.5 | 8.25 | 8.25 | 8.25 | 8.25 | 38 | 81.58 | 79.23 | 54.21 | 70.23 |
| 0 | 0 | 0 | 9 | 6 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22 | 22.5 | 2.5 | 2.5 | 11.5 | 1.25 | 1.25 | 1.25 | 1.25 | 5 | 50.00 | 11.54 | 7.89 | 30.23 |
| 13 | 10 | 23 | 8 | 10 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 21.5 | 15.5 | 12.5 | 10.5 | 8.25 | 8.25 | 8.25 | 8.25 | 38 | 62.63 | 73.08 | 43.68 | 57.69 |
| 15 | 15 | 30 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 22.5 | 17.5 | 17.5 | 16.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 63.68 | 77.69 | 53.16 | 74.62 |
| 10 | 13 | 23 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 20.5 | 12.5 | 15.5 | 12.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 55.26 | 56.15 | 44.74 | 56.15 |
| 10 | 15 | 25 | 10 | 15 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 34 | 25.5 | 12.5 | 17.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 64.74 | 54.62 | 47.89 | 54.62 |
| 14 | 14 | 28 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 37 | 26.5 | 16.5 | 16.5 | 17.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 67.89 | 68.46 | 46.84 | 71.54 |
| 0 | 0 | 0 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 29 | 30.5 | 2.5 | 2.5 | 17.5 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 88.74 | 37.69 | 25.79 | 83.85 |
| 15 | 15 | 30 | 12 | 14 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 23.5 | 17.5 | 17.5 | 14.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 66.84 | 79.23 | 54.21 | 70.00 |
| 6 | 9 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28 | 21.5 | 8.5 | 11.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 56.32 | 42.31 | 35.26 | 54.62 |
| 9 | 10 | 19 | 11 | 10 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 2.5 | 11.5 | 12.5 | 13.5 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 19.47 | 56.15 | 40.53 | 62.31 |
| 14 | 13 | 27 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 27.5 | 16.5 | 15.5 | 16.5 | 8 | 8 | 8 | 8 | 32 | 74.74 | 75.38 | 49.47 | 75.38 |
| 6 | 0 | 6 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 8.5 | 8.5 | 2.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 34.74 | 50.77 | 23.11 | 72.31 |
| | | | | | | | | | | | | | | | | | | | | | 53.70 | 55.80 | 55.80 | 62.40 |

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DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|---------------|--------------------------------------|----------|--------------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Dr. G Mahesh Kumar |
| Subject | :Building Materials and Construction | Semester | : 3 |
| Code | :18CV34 | | |

| 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 MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 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 |
| AVG | 1 | 1 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| OVERALL MAPPING | | | | | | | | | | | | 2.4 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|------|------|------|-----|------|------|-----|-----|-----|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 63.1 | 0.63 | 0.63 | 1.9 | 0.63 | 1.62 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| CO2 | 59.2 | 0.59 | 0.59 | 1.8 | 0.59 | 1.18 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| AVG | | 0.61 | 0.61 | 1.8 | 0.61 | 1.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.48 |

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| Academic Year 2021-22 | | | BM&C18CV34 | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------|-----|------------|-----------|-----|-----|-----------|-----|-----|---------|---------|-----|------|------|-----|-----|-----|-------|-------|----|------|------|-----|
| SEM: V Civil | IA TEST 1 | | | IA TEST 2 | | | IA TEST 3 | | | | Ave(30) | CO1 | CO2 | Asmt | CIE | CO1 | CO2 | SEE | G TOT | 80 | 80 | CO1 | CO2 |
| USN | CO1 | CO2 | TOT | CO1 | CO2 | TOT | CO1 | CO2 | TOT | Ave(30) | CO1 | CO2 | Asmt | CIE | CO1 | CO2 | SEE | G TOT | 80 | 80 | CO1 | CO2 | |
| ISV20CV001 | 15 | 10 | 25 | 15 | 10 | 25 | 12 | 12 | 24 | 25 | 5 | 5 | 10 | 35 | 18 | 17 | 35 | 70 | 65 | 54 | 81.3 | 67.5 | |
| ISV20CV002 | 6 | 5 | 11 | 6 | 5 | 11 | 5 | 5 | 10 | 11 | 5 | 5 | 10 | 21 | 4 | 3 | 7 | 28 | 26 | 23 | 32.5 | 28.8 | |
| ISV20CV003 | 8 | 7 | 15 | 8 | 7 | 15 | 7 | 7 | 14 | 15 | 5 | 5 | 10 | 25 | 16 | 15 | 31 | 56 | 44 | 41 | 55 | 51.3 | |
| ISV20CV005 | 10 | 10 | 20 | 10 | 10 | 20 | 10 | 10 | 20 | 20 | 5 | 5 | 10 | 30 | 21 | 21 | 42 | 72 | 56 | 56 | 70 | 70 | |
| ISV20CV006 | 8 | 8 | 16 | 8 | 8 | 16 | 8 | 7 | 15 | 16 | 5 | 5 | 10 | 26 | 4 | 4 | 8 | 34 | 33 | 32 | 41.3 | 40 | |
| ISV20CV007 | 8 | 5 | 13 | 8 | 5 | 13 | 6 | 6 | 12 | 13 | 5 | 5 | 10 | 23 | 11 | 10 | 21 | 44 | 38 | 31 | 47.5 | 38.8 | |
| ISV20CV008 | 12 | 12 | 24 | 12 | 12 | 24 | 12 | 12 | 24 | 24 | 5 | 5 | 10 | 34 | 11 | 10 | 21 | 55 | 52 | 51 | 65 | 63.8 | |
| ISV20CV009 | 14 | 14 | 28 | 14 | 14 | 28 | 14 | 14 | 28 | 28 | 5 | 5 | 10 | 38 | 15 | 16 | 31 | 69 | 62 | 63 | 77.5 | 78.8 | |
| ISV20CV010 | 9 | 9 | 18 | 9 | 9 | 18 | 9 | 8 | 17 | 18 | 5 | 5 | 10 | 28 | 11 | 10 | 21 | 49 | 43 | 41 | 53.8 | 51.3 | |
| ISV20CV011 | 6 | 5 | 11 | 6 | 5 | 11 | 5 | 5 | 10 | 11 | 5 | 5 | 10 | 21 | 6 | 5 | 11 | 32 | 28 | 25 | 35 | 31.3 | |
| ISV20CV014 | 9 | 9 | 18 | 9 | 9 | 18 | 9 | 8 | 17 | 18 | 5 | 5 | 10 | 28 | 5 | 4 | 9 | 37 | 37 | 35 | 46.3 | 43.8 | |
| ISV20CV015 | 11 | 11 | 21 | 11 | 11 | 21 | 11 | 11 | 21 | 21 | 5 | 5 | 10 | 31 | 11 | 10 | 21 | 52 | 49 | 48 | 61.3 | 60 | |
| ISV21CV400 | 10 | 7 | 17 | 10 | 7 | 17 | 8 | 8 | 16 | 17 | 5 | 5 | 10 | 27 | 14 | 13 | 27 | 54 | 47 | 40 | 58.8 | 50 | |
| | | | | | | | | | | | | | | | | | | | | | 63.1 | 59.2 | |

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DEPARTMENT OF CIVIL ENGINEERING

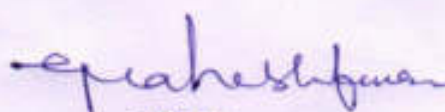
| | | | |
|----------------------|---------------------------|-----------------|----------------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | MR. PRAKASH J |
| Subject | :BASIC SURVEYING | Semester | : 3 |
| Code | :18CV35 | | |

| 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 |

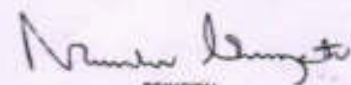
| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 2 | | | | | 1 | 1 | | | | 1 |
| CO2 | 2 | 2 | | | | 1 | | 1 | | | | 1 |
| CO3 | 2 | 2 | | | | | 1 | 1 | | | | 1 |
| CO4 | 2 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| AVG | 2 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.33 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
| CO1 | 60.2 | 1.2 | 1.2 | | | | | 0.6 | 0.6 | | | | 0.6 |
| CO2 | 58.64 | 1.17 | 1.17 | | | | 0.59 | | 0.59 | | | | 0.59 |
| CO3 | 40.45 | 0.81 | 0.81 | | | | | 0.4 | 0.4 | | | | 0.4 |
| Co4 | 65.5 | 1.31 | 1.31 | | | | 0.66 | 0.66 | 0.66 | | | | 0.66 |
| AvG | 56.20 | 1.12 | 1.12 | | | | 0.63 | 0.55 | 0.56 | | | | 0.56 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.78 |


 Course Instructor



HOD
 Dept. of Civil Engineering
 SIET, TUMKUR - 6


 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY
 TUMKUR - 572106.

| Sl. No. | USN NO | Name of the Student | IA1 | | | IA2 | | | IA3 | | | ASSIGNMENT | | | | | 40 MARKS | CIE MARKS | | | | SIE MARKS | | | | 40 MARKS | COS PRE | |
|---------|------------|---------------------|-------|-------|------|------|-------|-------|-------|-------|------|------------|------|------|-------|-------|----------|-----------|-------|-------|------|-----------|------|------|-------|----------|---------|--|
| | | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CIE | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | SIE | CO1=47 | CO2=32 | |
| | | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CIE | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | SIE | CO1=47 | CO2=32 | |
| 1 | 1SV20CV001 | Ashwini Seng Otkram | 28 | 28 | 15 | 15 | 30 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 38 | 20.5 | 17.5 | 17.5 | 17.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 81.58 | 79.23 | |
| 2 | 1SV20CV002 | Akash T R | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22 | 22.5 | 2.5 | 2.5 | 11.5 | 1.25 | 1.25 | 1.25 | 1.25 | 5 | 50.00 | 33.54 | |
| 3 | 1SV20CV003 | Dyendra Kumar Pandi | 19 | 19 | 13 | 10 | 23 | 8 | 10 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 21.5 | 15.5 | 12.5 | 10.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 62.83 | 73.08 | |
| 4 | 1SV20CV005 | Lakshmi G V | 20 | 20 | 15 | 15 | 30 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 22.5 | 17.5 | 17.5 | 16.5 | 7.75 | 7.75 | 7.75 | 7.75 | 33 | 63.68 | 77.69 | |
| 5 | 1SV20CV006 | Mahalakshmi B | 18 | 18 | 10 | 12 | 22 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 20.5 | 12.5 | 15.5 | 12.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 55.36 | 56.25 | |
| 6 | 1SV20CV007 | Pankaj Varma | 23 | 23 | 10 | 15 | 25 | 10 | 15 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 37 | 26.5 | 16.5 | 16.5 | 17.5 | 5.75 | 5.75 | 5.75 | 5.75 | 25 | 67.80 | 68.46 | |
| 7 | 1SV20CV008 | Pranika S | 24 | 24 | 14 | 14 | 28 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20 | 30.5 | 2.5 | 2.5 | 17.5 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 66.74 | 57.69 | |
| 8 | 1SV20CV009 | Sanjana D M | 28 | 28 | 0 | 0 | 0 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 23.5 | 17.5 | 17.5 | 14.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 66.84 | 79.23 | |
| 9 | 1SV20CV010 | Shwetha P | 21 | 21 | 15 | 13 | 30 | 12 | 14 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28 | 21.5 | 8.5 | 11.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 23 | 56.32 | 42.31 | |
| 10 | 1SV20CV011 | Sudhartha K R | 19 | 19 | 0 | 0 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 2.5 | 11.5 | 12.5 | 13.5 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 39.47 | 56.15 | |
| 11 | 1SV20CV014 | Yamuna M | 0 | 0 | 0 | 10 | 10 | 11 | 10 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 27.5 | 16.5 | 15.5 | 16.5 | 8 | 8 | 8 | 8 | 32 | 74.74 | 75.38 | |
| 12 | 1SV20CV015 | Yashwanth Kumar T | 25 | 25 | 14 | 13 | 27 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 33 | 8.5 | 8.5 | 2.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 34.74 | 58.77 | |
| 13 | 1SV21CV400 | Sreerama V | 0 | 0 | 0 | 0 | 0 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 8.5 | 8.5 | 2.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 34.74 | 58.77 | |
| AVERAGE | | | 19.31 | 19.31 | 9.77 | 9.92 | 19.69 | 12.90 | 12.38 | 24.38 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 31.13 | 21.81 | 12.27 | 12.42 | 14.50 | 6.79 | 6.79 | 6.79 | 6.79 | 27.15 | 60.20 | 58.64 | |

Course Instructor

Prakash J

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

Principal

Prakash Kumar
PRINCIPAL
 SIET., TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|-----------------------------|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Ms. Vanishree S |
| Subject | :Engineering Geology | Semester | : 3 |
| Code | :18CV36 | | |

| 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 | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 3 | | | | | | | | | | |
| CO2 | 3 | 3 | | | | | | | | | | |
| CO3 | 3 | 3 | | | | | | | | | | |
| CO4 | 3 | 3 | | | | | | | | | | |
| CO5 | 3 | 3 | | | | | | | | | | |
| AVG | 3 | 3 | | | | | | | | | | |
| OVERALL MAPPING | | | | | | | | | | | | 3 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
| CO1 | 44.4 | 1.3 | 1.3 | | | | | | | | | | |
| | 3 | 2 | 2 | | | | | | | | | | |
| CO2 | 48.0 | 1.4 | 1.4 | | | | | | | | | | |
| | 8 | 4 | 4 | | | | | | | | | | |
| CO3 | 47.3 | 1.4 | 1.4 | | | | | | | | | | |
| | 6 | 2 | 2 | | | | | | | | | | |
| CO4 | 61.7 | 1.8 | 1.8 | | | | | | | | | | |
| | | 5 | 5 | | | | | | | | | | |
| AVG | 50.3 | 1.1 | 1.1 | | | | | | | | | | |
| | 4 | 5 | 5 | | | | | | | | | | |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.51 |

Vanishree.S

Course Instructor

Prakash Kumar

HOD

Dept. of Civil Engineering
SIET, TUMKUR.

Nandini Dhanraj

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

| IA2 | | | IA3 | | | ASSIGNMENT | | | | | 40 MARKS | CIE MARKS | | | | SIE MARKS | | | | 60 MARKS | COS PERCENTAGE | | | | |
|-----|-----|-------|-----|-----|-------|------------|-----|-----|-----|-------|----------|-----------|------|------|------|-----------|------|------|------|----------|----------------|----------|----------|----------|-------|
| CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CIE | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | SIE | CO1=47.5 | CO2=32.5 | CO3=47.5 | CO4=32.5 | |
| 15 | 15 | 30 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 39 | 30.5 | 17.5 | 17.5 | 17.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 81.58 | 79.21 | 54.21 | 79.23 | |
| 0 | 0 | 0 | 9 | 6 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22 | 22.5 | 2.5 | 2.5 | 11.5 | 1.25 | 1.25 | 1.25 | 1.25 | 5 | 50.00 | 11.54 | 7.89 | 30.29 | |
| 13 | 10 | 23 | 8 | 10 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 21.5 | 15.5 | 12.5 | 10.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 62.63 | 73.04 | 43.68 | 57.69 | |
| 15 | 15 | 30 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 22.5 | 17.5 | 17.5 | 16.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 63.88 | 77.68 | 53.16 | 74.62 | |
| 10 | 13 | 23 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 20.5 | 12.5 | 15.5 | 12.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 55.26 | 56.15 | 44.74 | 56.15 | |
| 10 | 15 | 25 | 10 | 15 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 34 | 25.5 | 12.5 | 17.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 64.74 | 54.62 | 47.89 | 54.62 | |
| 14 | 14 | 28 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 37 | 26.5 | 16.5 | 16.5 | 17.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 67.89 | 68.40 | 46.84 | 71.54 | |
| 9 | 0 | 0 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 29 | 30.5 | 2.5 | 2.5 | 17.5 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 84.74 | 37.69 | 25.79 | 83.85 | |
| 15 | 15 | 30 | 12 | 14 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 23.5 | 17.5 | 17.5 | 14.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 66.84 | 79.23 | 54.21 | 70.00 | |
| 6 | 9 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28 | 21.5 | 8.5 | 11.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 56.32 | 42.91 | 35.26 | 54.62 | |
| 9 | 10 | 19 | 11 | 10 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 2.5 | 11.5 | 12.5 | 13.5 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 19.47 | 56.15 | 40.53 | 62.31 | |
| 14 | 13 | 27 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 36 | 27.5 | 16.5 | 15.5 | 16.5 | 8 | 8 | 8 | 8 | 32 | 74.74 | 75.38 | 49.47 | 75.38 | |
| 6 | 0 | 6 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23 | 8.5 | 8.5 | 2.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 34.74 | 50.77 | 22.11 | 72.31 | |
| | | | | | | | | | | | | | | | | | | | | | | 44.40 | 48.08 | 47.36 | 81.70 |

Vaishnavi . S .

epaheshbhar

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

Nandha Lakshmi
PRINCIPAL
SIET., TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|------------------------|--|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Ms. Vanishree S |
| Subject | :Construction management and Entrepreneurship | Semester | : 5 |
| Code | :18CV51 | | |
| COURSE OUTCOMES | | | |
| CO1 | Outline the construction management process | | |
| CO2 | Assess various issues that are encountered by every professional in discharging professional duties. | | |
| CO3 | Identifying the professional obligation effectively with global outlook | | |

| CO PO MAPPING | | | | | | | | | | | | |
|------------------------|------|-----|------|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 1 | 1 | | | | | 3 | | | | 1 |
| CO2 | 3 | 3 | 3 | | | | | 3 | | | | 2 |
| CO3 | 3 | 2 | 3 | | | | | 3 | | | | 2 |
| AVG | 2.67 | 2 | 2.33 | | | | | 3 | | | | 1.67 |
| OVERALL MAPPING | | | | | | | | | | | | 2.33 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 58.69 | 1.2 | 0.6 | 0.6 | | | | | 1.8 | | | | 0.6 |
| CO2 | 59.51 | 1.8 | 1.8 | 1.8 | | | | | 1.8 | | | | 1.2 |
| CO3 | 59.60 | 1.8 | 1.2 | 1.8 | | | | | 1.8 | | | | 1.2 |
| AVG | | 1.6 | 1.2 | 1.4 | | | | | 1.8 | | | | 1 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.38 |

Vanishree S
Course Instructor

Heavenly
HOD

Dept. of Civil Engineering
SIET, TUMKUR

Nandini
PRINCIPAL

SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY

| Subject: Construction Management & Entrepreneurship | | | Subject Code: 18CV51 | | | Semester: 5 | | | 2021-22 | | | 1st sem odd | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------------------------|----------------------|-----|------|-------------|------|-----|---------|----|----|-------------|----|----|----|------|----|----|------------------|-----|-----|-------|-----|-------|------------|-------|-------|---------------------|-------|-------|-------|-----|-----|
| SLNO | USN | STUDENT NAME | IA.1 | | IA.2 | | IA.3 | | Avg | M1 | | | M2 | | | IA.3 | | | ASSESSMENT MARKS | | | TOTAL | | | ATTAINMENT | | | PERCENTAGE OF TOTAL | | | CGR | | |
| | | | COI | COE | COI | COE | COI | COE | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | COI | COE | COE | COI | COE | COE | COI | COE | COE | COI | COE | COE | COI | COE | COE |
| 1 | 18V18CV002 | Aravind Venkatesh P Dada | 17 | 8 | 8 | 14 | 14 | 20 | 12 | 5 | 20 | 20 | 2 | 10 | 14 | 14 | 2 | 2 | 2 | 20 | 4 | 4 | 4 | 21.50 | 23.50 | 13.50 | 31.14 | 33.45 | 33.45 | | | | |
| 2 | 18V18CV009 | Praveen D J | 8 | 14 | 0 | 20 | 0 | 17 | 5 | 5 | 5 | 20 | 20 | 20 | 18 | 14 | 14 | 14 | 2 | 2 | 2 | 14 | 2.8 | 2.8 | 2.8 | 26.90 | 28.90 | 4.80 | 35.52 | 33.15 | 38.55 | | |
| 3 | 18V18CV010 | Devansh K V | 14 | 8 | 8 | 12 | 12 | 15 | 8 | 5 | 5 | 20 | 20 | 20 | 15 | 14 | 14 | 14 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 23.80 | 21.80 | 21.80 | 30.31 | 30.31 | 32.31 | | |
| 4 | 18V18CV012 | Devika K Padil | 14 | 14 | 8 | 15 | 15 | 18 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 20 | 4.2 | 4.2 | 4.2 | 25.45 | 25.45 | 25.45 | 33.28 | 37.83 | 42.27 | | |
| 5 | 18V18CV020 | Suresh H K | 15 | 8 | 8 | 15 | 15 | 20 | 10 | 10 | 10 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 21.45 | 19.90 | 18.90 | 27.28 | 28.28 | 38.28 | | |
| 6 | 18V18CV023 | Vijayakrishna | 20 | 20 | 0 | 10 | 10 | 14 | 18 | 8 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 4.2 | 4.2 | 4.2 | 24.45 | 25.90 | 8.20 | 38.91 | 38.91 | 31.91 | | |
| 7 | 18V18CV011 | Shravanthi R V | 11 | 15 | 0 | 15 | 15 | 14 | 12 | 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 8 | 18V18CV019 | Shravanee J | 12 | 20 | 0 | 12 | 12 | 14 | 10 | 8 | 5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 9 | 18V18CV018 | Teja K D | 8 | 8 | 0 | 20 | 20 | 14 | 4 | 4 | 4 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 10 | 18V18CV017 | Umesh Baburaj Himmamath | 20 | 0 | 0 | 15 | 15 | 14 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 11 | 18V18CV016 | Abhishek | 12 | 8 | 8 | 8 | 8 | 10 | 8 | 8 | 8 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 12 | 18V18CV022 | Anusha P | 12 | 14 | 8 | 20 | 8 | 14 | 4 | 5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 13 | 18V18CV001 | Anil H Kulk | 8 | 8 | 0 | 8 | 8 | 8 | 5 | 5 | 5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 14 | 18V18CV004 | Ashwathreddy | 14 | 20 | 0 | 15 | 15 | 20 | 5 | 5 | 5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 15 | 18V18CV005 | Aggrawal H | 8 | 14 | 0 | 20 | 8 | 14 | 2 | 8 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 16 | 18V18CV007 | Aravind Kulk | 8 | 2 | 2 | 12 | 12 | 12 | 4 | 4 | 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 17 | 18V18CV008 | Chalapathi | 8 | 0 | 0 | 15 | 8 | 10 | 12 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 18 | 18V18CV009 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 19 | 18V18CV010 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 20 | 18V18CV012 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 21 | 18V18CV013 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 22 | 18V18CV014 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 23 | 18V18CV015 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 24 | 18V18CV016 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 25 | 18V18CV017 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 26 | 18V18CV018 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 27 | 18V18CV019 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 28 | 18V18CV020 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 29 | 18V18CV021 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 30 | 18V18CV022 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 31 | 18V18CV023 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 32 | 18V18CV024 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 33 | 18V18CV025 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 34 | 18V18CV026 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 35 | 18V18CV027 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 36 | 18V18CV028 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 37 | 18V18CV029 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 38 | 18V18CV030 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 39 | 18V18CV031 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 40 | 18V18CV032 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |
| 41 | 18V18CV033 | Chandrashekar | 15 | 0 | 0 | 20 | 8 | 12 | 20 | 12 | 12 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 2 | 2 | 2 | 17 | 3.4 | 3.4 | 3.4 | 19.80 | 21.80 | 22.80 | 34.83 | 37.34 | 37.34 | | |

Vanidhree.S.

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

Signature
PRINCIPAL
 SIET, TUMKURU

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|--|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Mr. Manogna H N |
| Subject | :Analysis of Indeterminate Structures | Semester | : 5 |
| Code | :18CV52 | | |

| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Determine the moment in indeterminate beams and frames having variable moment of inertia and subsidence using slope deflection 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 |
| AVG | 3 | 3 | | | | | | | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 2.33 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 60.28 | 1.81 | 1.81 | | | | | | | | | | 1.81 |
| CO2 | 57.41 | 1.72 | 1.72 | | | | | | | | | | 1.72 |
| CO3 | 43.97 | 1.32 | 1.32 | | | | | | | | | | 1.32 |
| CO4 | 50.51 | 1.52 | 1.52 | | | | | | | | | | 1.52 |
| CO5 | 49.78 | 1.49 | 1.49 | | | | | | | | | | 1.49 |
| AVG | 52.39 | 1.57 | 1.57 | | | | | | | | | | 1.57 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.57 |

[Signature]
 Course Instructor

[Signature]
HOD
 Dept. of Civil Engineering
 SIET, TUMKUR

[Signature]
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 ENGINEERING AND TECHNOLOGY

Subject ANALYSIS OF
INTERMEDIATE STUDENTS

Subject Code: 18CV12

| RANK | URN | STUDENT NAME | SA 1 | | | | | Avg | EQUIPMENT MARKS | | | | | INT | TOTAL CO-OBTAINMENT | | | | | PERCENTAGE OF TOTAL CO-OBTAINMENT | | | | |
|------|------------|----------------------------|--------------|----------------|----------------|----------------|----------------|-----|-----------------|-----|-----|-----|-----|-------|---------------------|---------------|---------------|---------------|-------|-----------------------------------|-------|-------|-------|-------|
| | | | CO1 marks | CO2 (marks) | CO3 (marks) | CO4 (marks) | CO5 (marks) | | CSM | COE | CEI | COH | COU | | CO14 marks | CO15 marks | CO16 marks | CO17 marks | CO8 | CO9 | CO10 | CO11 | CO12 | |
| 1 | 18CV12V001 | Ashwin Vaidya P Datt | 27 | 8 | 8 | 14 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19.00 | 19.00 | 20.50 | 20.50 | 53.54 | 53.54 | 58.25 | 58.25 | 58.25 | 58.25 |
| 2 | 18CV12V002 | Shravan D S | 0 | 14 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.00 | 14.00 | 15.00 | 15.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| 3 | 18CV12V003 | Ashwin S V | 11 | 0 | 0 | 13 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 14.00 | 14.00 | 16.00 | 16.00 | 47.00 | 47.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 4 | 18CV12V004 | Anika S Raj | 11 | 14 | 0 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 14.00 | 14.00 | 15.00 | 15.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 5 | 18CV12V005 | Rajeev S J | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 15.00 | 15.00 | 16.00 | 16.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 6 | 18CV12V006 | Siddhanta | 20 | 25 | 10 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 15.00 | 15.00 | 16.00 | 16.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 7 | 18CV12V007 | Siddhanta S V | 11 | 15 | 15 | 15 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 15.00 | 15.00 | 16.00 | 16.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 8 | 18CV12V008 | Anavina J | 12 | 20 | 0 | 13 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 12.00 | 12.00 | 14.00 | 14.00 | 40.00 | 40.00 | 45.00 | 45.00 | 45.00 | 45.00 | |
| 9 | 18CV12V009 | Yash S D | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 10.00 | 10.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | |
| 10 | 18CV12V010 | Yash Sridhar Hanumanthappa | 20 | 0 | 0 | 15 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 15.00 | 15.00 | 16.00 | 16.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 11 | 18CV12V011 | Shru Tanwar | 11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11.00 | 11.00 | 12.00 | 12.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | |
| 12 | 18CV12V012 | Ananya P | 10 | 14 | 0 | 20 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 10.00 | 10.00 | 12.00 | 12.00 | 34.00 | 34.00 | 40.00 | 40.00 | 40.00 | 40.00 | |
| 13 | 18CV12V013 | Ash S Raj | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | 18CV12V014 | Aradhita | 10 | 20 | 10 | 15 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 10.00 | 10.00 | 12.00 | 12.00 | 34.00 | 34.00 | 40.00 | 40.00 | 40.00 | 40.00 | |
| 15 | 18CV12V015 | Aradhita S | 0 | 14 | 10 | 20 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 14.00 | 14.00 | 16.00 | 16.00 | 40.00 | 40.00 | 45.00 | 45.00 | 45.00 | 45.00 | |
| 16 | 18CV12V016 | Ashwin H S | 0 | 2 | 7 | 13 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 4.00 | 4.00 | 13.00 | 13.00 | 15.00 | 15.00 | 15.00 | 15.00 | |
| 17 | 18CV12V017 | Shrey S D | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 15.00 | 15.00 | 16.00 | 16.00 | 43.00 | 43.00 | 50.00 | 50.00 | 50.00 | 50.00 | |
| 18 | 18CV12V018 | Aradhita S | 10 | 0 | 0 | 20 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 10.00 | 10.00 | 12.00 | 12.00 | 34.00 | 34.00 | 40.00 | 40.00 | 40.00 | 40.00 | |
| 19 | 18CV12V019 | Shravan Kumar D | 11 | 15 | 11 | 20 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 11.00 | 11.00 | 12.00 | 12.00 | 35.00 | 35.00 | 40.00 | 40.00 | 40.00 | 40.00 | |
| 20 | 18CV12V020 | Shravan Kumar R S | 20 | 20 | 0 | 20 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 20.00 | 20.00 | 22.00 | 22.00 | 64.00 | 64.00 | 65.00 | 65.00 | 65.00 | 65.00 | |
| 21 | 18CV12V021 | Siddhanta S D | 20 | 10 | 0 | 10 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 20.00 | 20.00 | 22.00 | 22.00 | 64.00 | 64.00 | 65.00 | 65.00 | 65.00 | 65.00 | |
| 22 | 18CV12V022 | Siddhanta S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | 18CV12V023 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | 18CV12V024 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | 18CV12V025 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | 18CV12V026 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | 18CV12V027 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | 18CV12V028 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | 18CV12V029 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | 18CV12V030 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 31 | 18CV12V031 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 32 | 18CV12V032 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 33 | 18CV12V033 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | 18CV12V034 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | 18CV12V035 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | 18CV12V036 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 37 | 18CV12V037 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | 18CV12V038 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 39 | 18CV12V039 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | 18CV12V040 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | 18CV12V041 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 42 | 18CV12V042 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 43 | 18CV12V043 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 44 | 18CV12V044 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 45 | 18CV12V045 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 46 | 18CV12V046 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 47 | 18CV12V047 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 48 | 18CV12V048 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 49 | 18CV12V049 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 50 | 18CV12V050 | Aradhita S D | 0 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | | | | | | | | | | 90.28 | 90.28 | 90.28 | 90.28 | |
| | | | | | | | | | | | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | |
| | | | | | | | | | | | | | | | | | | | | 3.82 | 3.71 | 3.52 | 3.52 | |

Aradhita S D
Class In-charge

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

Ramesh Srinivasan
PRINCIPAL
SIET, TUMKUR.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|--|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Ms. Vanishree S |
| Subject | :Design of RC Structural Elements | Semester | : 5 |
| Code | :18CV53 | | |

| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Apply the design philosophies and principals of the codal provisions. |
| CO2 | Analyse and design of the beam elements for flexure, shear and torsion |
| CO3 | Analyse and design of the slab and staircase using the knowledge of codal provisions. |
| CO4 | Design of the column and footing using the design principals. |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 1 | 1 | | | | | 3 | | | | 1 |
| CO2 | 3 | 3 | 3 | | | | | 3 | | | | 2 |
| CO3 | 3 | 2 | 3 | | | | | 3 | | | | 2 |
| CO4 | 3 | 2 | 3 | | | | | 3 | | | | 2 |
| AVG | 2.75 | 2 | 2.5 | | | | | 3 | | | | 1.75 |
| OVERALL MAPPING | | | | | | | | | | | | 2.4 |

| CO PO ATTAINMENT | | | | | | | | | | | | | | |
|--------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 0 | PO 1 | PO 1 | PO 1 |
| CO1 | 53.7 | 1.07 | 0.54 | 0.53 | | | | | 1.61 | | | | | 0.54 |
| CO2 | 55.8 | 1.67 | 1.67 | 1.67 | | | | | 1.67 | | | | | 1.11 |
| CO3 | 55.8 | 1.67 | 1.12 | 1.67 | | | | | 1.67 | | | | | 1.11 |
| CO4 | 62.4 | 1.87 | 1.25 | 1.87 | | | | | 1.87 | | | | | 1.25 |
| AVG | 56.8 9 | 1.57 | 1.14 | 1.44 | | | | | 1.71 | | | | | 1 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | | 1.37 |

Vanishree S
 Course Instructor

[Signature]

HOD
 Dept. of Civil Engineering
 S.I.E.T. TUMKUR

[Signature]
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 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|---------------|---------------------------------|----------|---------------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Dr. G. Mahesh Kumar |
| Subject | :Basic Geotechnical Engineering | Semester | : 5 |
| Code | :18CV54 | | |

| 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. |
| | Ability to solve practical problems related to estimation of consolidation settlement of soil deposits also time required for the same. |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 |
| CO4 | 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 | | | | | | | | | | | | 2.8 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|---------|-------|------|------|------|------|------|------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO5 | PO6 | PO 7 | PO 8 | PO 9 | PO 0 | PO 1 | PO 2 |
| CO1 | 58.55 | 2 | 2 | 2 | 1.4 | 0.682 | 2.046 | 1.4 | 2 | 2 | 2.05 | 2.05 | 2.05 |
| CO2 | 60.36 | 1.9 | 1.9 | 1.9 | 1.3 | 0.643 | 1.929 | 1.3 | 1.9 | 1.9 | 1.93 | 1.93 | 1.93 |
| CO3 | 64.15 | 2 | 2 | 2 | 2 | 1.9575 | 1.958 | 1.3 | 2 | 1.3 | 1.31 | 1.31 | 1.96 |
| Co4 | 61.93 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8702 | 1.87 | 1.2 | 1.9 | 1.2 | 1.25 | 1.25 | 1.87 |
| 2Av G | 61.25 | 2 | 2 | 2 | 1.7 | 1.17234 | 1.844 | 1.3 | 2 | 1.7 | 1.71 | 1.73 | 1.99 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.95 |

G. Mahesh Kumar
 Course Instructor

G. Mahesh Kumar
 HOOD
 Dept. of Civil Engineering
 SIET, TUMKUR - 6

N. Venkatesh Kumar
 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

ACADEMIC 2021-22 ODD

BGE 15V-54

SEM: V CV#

| USN | IA TEST 1 | | | IA TEST 2 | | | IA TEST 3 | | | C01 | C02 | C03 | C04 | C05 | Asmt | CIE | C01 | C02 | C03 | C04 | C05 | SEE | G TOT | C01 | C02 | C03 | C04 | C05 | C01 | C02 | C03 | C04 | C05 | | |
|----------------|-----------|------|-------|-----------|------|-------|-----------|------|------|--------|-----|-----|-----|-----|------|------|---------|------|------|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|-------|-------|---------|-------|
| | C01 | C02 | TOTAL | C01 | C03 | TOTAL | C04 | C05 | TOTA | | | | | | | | | | | | | | | | | | | | | | | | | Ave(30) | |
| 15V18CV002 | 7 | 6 | 13 | 10 | 8 | 18 | 9 | 2 | 11 | 14 | 2 | 2 | 2 | 2 | 10 | 24 | 5 | 4 | 4 | 4 | 4 | 21 | 45 | 24 | 12 | 14 | 15 | 8 | 54.55 | 41.38 | 48.28 | 51.72 | 27.59 | | |
| 15V18CV009 | 9 | 9 | 18 | 10 | 8 | 18 | 12 | 10 | 22 | 19 | 2 | 2 | 2 | 2 | 10 | 29 | 5 | 4 | 4 | 4 | 4 | 21 | 50 | 26 | 15 | 14 | 18 | 16 | 59.09 | 51.72 | 48.28 | 62.07 | 55.17 | | |
| 15V18CV010 | 6 | 2 | 8 | 8 | 6 | 14 | 9 | 2 | 11 | 11 | 2 | 2 | 2 | 2 | 9 | 20 | 6 | 3 | 3 | 3 | 3 | 18 | 38 | 22 | 7 | 11 | 14 | 6 | 50 | 24.34 | 37.93 | 48.28 | 20.69 | | |
| 15V18CV012 | 10 | 11 | 21 | 11 | 11 | 22 | 8 | 3 | 11 | 18 | 2 | 2 | 2 | 2 | 10 | 28 | 5 | 4 | 4 | 4 | 4 | 21 | 49 | 28 | 17 | 17 | 14 | 9 | 63.64 | 58.62 | 58.62 | 48.28 | 31.03 | | |
| 15V18CV020 | 10 | 5 | 15 | 10 | 8 | 18 | 13 | 6 | 19 | 17 | 2 | 2 | 2 | 2 | 10 | 27 | 4 | 4 | 4 | 4 | 4 | 23 | 53 | 29 | 15 | 15 | 21 | 14 | 65.91 | 51.72 | 51.72 | 72.41 | 48.28 | | |
| 15V18CV023 | 10 | 9 | 19 | 10 | 9 | 19 | 15 | 8 | 23 | 20 | 2 | 2 | 2 | 2 | 10 | 30 | 7 | 4 | 4 | 4 | 4 | 23 | 53 | 29 | 15 | 15 | 24 | 19 | 79.55 | 65.52 | 65.52 | 82.76 | 65.52 | | |
| 15V18CV031 | 10 | 10 | 20 | 15 | 10 | 25 | 15 | 10 | 25 | 23 | 2 | 2 | 2 | 2 | 10 | 33 | 8 | 7 | 7 | 7 | 7 | 36 | 69 | 35 | 19 | 19 | 24 | 19 | 52.27 | 41.38 | 31.03 | 34.48 | 17.24 | | |
| 15V18CV033 | 8 | 8 | 16 | 10 | 5 | 15 | 6 | 1 | 7 | 13 | 2 | 2 | 2 | 2 | 10 | 23 | 3 | 2 | 2 | 2 | 2 | 11 | 34 | 23 | 12 | 11 | 14 | 9 | 52.27 | 41.38 | 37.93 | 48.28 | 31.03 | | |
| 15V18CV035 | 9 | 8 | 17 | 10 | 7 | 17 | 10 | 5 | 15 | 16 | 2 | 2 | 2 | 2 | 10 | 26 | 2 | 2 | 2 | 2 | 2 | 10 | 36 | 23 | 12 | 11 | 14 | 9 | 31.82 | 24.14 | 17.24 | 65.52 | 27.59 | | |
| 15V18CV037 | 6 | 3 | 9 | 4 | 1 | 5 | 15 | 4 | 19 | 11 | 2 | 2 | 2 | 2 | 10 | 21 | 2 | 2 | 2 | 2 | 2 | 10 | 31 | 14 | 7 | 5 | 19 | 8 | 41.82 | 28.97 | 22.07 | 18.62 | 15.17 | | |
| 15V19CV001 | 8 | 6 | 14 | 8 | 4 | 12 | 3 | 2 | 5 | 10 | 2 | 2 | 2 | 2 | 10 | 20 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 2 | 22 | 18.4 | 8.4 | 6.4 | 5.4 | 4.4 | 54.55 | 44.83 | 44.83 | 34.48 | 27.59 | | |
| 15V19CV002 | 9 | 8 | 17 | 10 | 8 | 18 | 5 | 3 | 8 | 14 | 2 | 2 | 2 | 2 | 10 | 24 | 3 | 3 | 3 | 3 | 3 | 15 | 39 | 24 | 13 | 13 | 10 | 8 | 38.64 | 17.24 | 31.03 | 51.72 | 27.59 | | |
| 15V19CV003 | 4 | 1 | 5 | 6 | 5 | 11 | 17 | 5 | 17 | 11 | 2 | 2 | 2 | 1 | 8 | 19 | 5 | 2 | 2 | 2 | 2 | 13 | 32 | 17 | 5 | 9 | 15 | 9 | 61.36 | 34.48 | 44.83 | 38.62 | 31.03 | | |
| 15V19CV004 | 10 | 5 | 15 | 10 | 8 | 18 | 12 | 4 | 16 | 16 | 2 | 2 | 2 | 2 | 10 | 26 | 5 | 3 | 3 | 3 | 3 | 17 | 43 | 27 | 10 | 13 | 17 | 9 | 34.09 | 24.14 | 24.14 | 27.59 | 13.79 | | |
| 15V19CV005 | 7 | 5 | 12 | 6 | 5 | 11 | 6 | 2 | 8 | 10 | 2 | 2 | 2 | 2 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 15 | 7 | 7 | 8 | 4 | 34.09 | 24.14 | 24.14 | 27.59 | 13.79 | | |
| 15V19CV006 | 4 | 3 | 7 | 6 | 4 | 10 | 12 | 8 | 20 | 12 | 2 | 2 | 2 | 1 | 8 | 20 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 2 | 22 | 12.4 | 5.4 | 6.4 | 13.4 | 9.4 | 28.18 | 18.62 | 22.07 | 46.21 | 32.41 | | |
| 15V19CV007 | 9 | 5 | 14 | 9 | 8 | 17 | 15 | 8 | 23 | 18 | 2 | 2 | 1 | 1 | 7 | 25 | 5 | 4 | 4 | 4 | 4 | 9 | 33 | 22 | 8 | 12 | 13 | 5 | 50 | 27.59 | 41.38 | 44.83 | 17.24 | | |
| 15V19CV008 | 9 | 4 | 13 | 9 | 8 | 17 | 9 | 2 | 11 | 14 | 2 | 2 | 2 | 2 | 10 | 24 | 2 | 2 | 2 | 2 | 1 | 9 | 33 | 22 | 8 | 12 | 13 | 5 | 61.36 | 34.48 | 44.83 | 38.62 | 31.03 | | |
| 15V19CV009 | 9 | 5 | 14 | 12 | 10 | 22 | 12 | 5 | 17 | 18 | 2 | 2 | 2 | 1 | 8 | 27 | 9 | 6 | 6 | 6 | 6 | 33 | 60 | 30 | 14 | 17 | 17 | 15 | 68.18 | 48.28 | 58.62 | 58.62 | 51.72 | | |
| 15V19CV010 | 9 | 6 | 15 | 10 | 9 | 19 | 10 | 8 | 23 | 19 | 2 | 2 | 2 | 2 | 10 | 33 | 5 | 5 | 5 | 5 | 5 | 4 | 24 | 57 | 28 | 17 | 17 | 22 | 19 | 84.09 | 65.52 | 55.17 | 79.31 | 65.52 | |
| 15V19CV012 | 11 | 10 | 21 | 10 | 10 | 20 | 15 | 13 | 28 | 23 | 2 | 2 | 2 | 2 | 10 | 33 | 10 | 6 | 6 | 6 | 6 | 34 | 67 | 37 | 19 | 16 | 23 | 19 | 84.09 | 65.52 | 55.17 | 79.31 | 20.69 | | |
| 15V19CV013 | 15 | 11 | 26 | 10 | 8 | 18 | 15 | 11 | 26 | 23 | 2 | 2 | 2 | 2 | 10 | 23 | 5 | 2 | 2 | 2 | 2 | 13 | 36 | 25 | 14 | 8 | 8 | 6 | 56.82 | 44.83 | 41.38 | 48.28 | 48.28 | | |
| 15V19CV014 | 10 | 10 | 20 | 8 | 4 | 12 | 4 | 2 | 6 | 13 | 2 | 2 | 2 | 2 | 10 | 26 | 5 | 4 | 4 | 4 | 4 | 21 | 47 | 25 | 13 | 12 | 14 | 14 | 56.82 | 44.83 | 41.38 | 48.28 | 48.28 | | |
| 15V19CV015 | 10 | 7 | 17 | 8 | 6 | 14 | 8 | 8 | 16 | 16 | 2 | 2 | 2 | 2 | 10 | 22 | 5 | 4 | 4 | 4 | 4 | 21 | 43 | 21 | 8 | 12 | 16 | 11 | 47.73 | 27.59 | 41.38 | 55.17 | 37.93 | | |
| 15V19CV016 | 6 | 2 | 8 | 8 | 6 | 14 | 10 | 5 | 15 | 12 | 2 | 2 | 2 | 2 | 10 | 30 | 5 | 4 | 4 | 4 | 4 | 21 | 51 | 25 | 16 | 12 | 21 | 16 | 56.82 | 55.17 | 41.38 | 72.41 | 55.17 | | |
| 15V19CV017 | 10 | 10 | 20 | 8 | 6 | 14 | 15 | 10 | 25 | 20 | 2 | 2 | 2 | 2 | 10 | 25 | 5 | 4 | 4 | 4 | 4 | 21 | 46 | 25 | 11 | 13 | 14 | 14 | 56.82 | 37.93 | 44.83 | 48.28 | 48.28 | | |
| 15V19CV018 | 8 | 5 | 13 | 10 | 7 | 17 | 8 | 8 | 16 | 15 | 2 | 2 | 2 | 2 | 10 | 25 | 2 | 2 | 2 | 2 | 2 | 21 | 46 | 27 | 14 | 12 | 14 | 10 | 61.36 | 48.28 | 41.38 | 48.28 | 34.48 | | |
| 15V19CV019 | 8 | 5 | 13 | 6 | 5 | 11 | 14 | 7 | 21 | 15 | 2 | 2 | 2 | 2 | 10 | 25 | 5 | 4 | 4 | 4 | 4 | 21 | 46 | 27 | 14 | 12 | 14 | 10 | 61.36 | 48.28 | 41.38 | 48.28 | 34.48 | | |
| 15V19CV020 | 10 | 8 | 18 | 10 | 6 | 16 | 8 | 4 | 12 | 15 | 2 | 2 | 2 | 2 | 10 | 30 | 7 | 4 | 4 | 4 | 4 | 23 | 53 | 28 | 12 | 14 | 21 | 17 | 63.64 | 41.38 | 48.28 | 72.41 | 58.62 | | |
| 15V19CV021 | 9 | 6 | 15 | 10 | 8 | 18 | 15 | 11 | 26 | 20 | 2 | 2 | 2 | 2 | 10 | 31 | 5 | 4 | 4 | 4 | 4 | 21 | 52 | 27 | 12 | 16 | 21 | 17 | 61.36 | 41.38 | 55.17 | 72.41 | 58.62 | | |
| 15V19CV024 | 9 | 6 | 15 | 11 | 10 | 21 | 15 | 13 | 26 | 21 | 2 | 2 | 2 | 2 | 10 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 11 | 4 | 4 | 12 | 7 | 25 | 13.79 | 13.79 | 41.38 | 24.14 | | |
| 15V19CV025 | 5 | 2 | 7 | 4 | 2 | 6 | 10 | 5 | 15 | 9 | 2 | 2 | 2 | 2 | 10 | 25 | 2 | 2 | 2 | 2 | 1 | 8 | 33 | 20 | 10 | 7 | 17 | 10 | 45.45 | 34.48 | 24.14 | 58.62 | 34.48 | | |
| 15V19CV027 | 10 | 6 | 16 | 6 | 3 | 9 | 14 | 7 | 21 | 15 | 2 | 2 | 2 | 2 | 10 | 22 | 3 | 3 | 3 | 3 | 2 | 14 | 36 | 22 | 10 | 10 | 11 | 7 | 50 | 34.48 | 34.48 | 37.93 | 24.14 | | |
| 15V19CV028 | 9 | 5 | 14 | 8 | 5 | 13 | 6 | 3 | 9 | 12 | 2 | 2 | 2 | 2 | 10 | 35 | 5 | 4 | 4 | 4 | 4 | 21 | 56 | 33 | 17 | 19 | 21 | 16 | 75 | 58.62 | 65.52 | 72.41 | 55.17 | | |
| 15V19CV029 | 11 | 11 | 22 | 15 | 13 | 28 | 15 | 10 | 25 | 25 | 2 | 2 | 2 | 2 | 10 | 25 | 5 | 4 | 4 | 4 | 4 | 21 | 46 | 23 | 11 | 12 | 15 | 14 | 52.27 | 37.93 | 41.38 | 51.72 | 48.28 | | |
| 15V19CV030 | 8 | 5 | 13 | 8 | 6 | 14 | 9 | 8 | 17 | 15 | 2 | 2 | 2 | 2 | 10 | 36 | 10 | 7 | 7 | 7 | 7 | 38 | 74 | 37 | 23 | 18 | 24 | 23 | 84.09 | 79.31 | 62.07 | 82.76 | 79.31 | | |
| 15V19CV031 | 15 | 14 | 29 | 10 | 9 | 19 | 15 | 14 | 29 | 26 | 2 | 2 | 1 | 1 | 1 | 7 | 19 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 2 | 21 | 13.4 | 4.4 | 4.4 | 11.4 | 11.4 | 30.45 | 15.17 | 15.17 | 39.31 | 39.31 | |
| 15V19CV032 | 6 | 2 | 8 | 5 | 3 | 8 | 10 | 10 | 20 | 12 | 2 | 2 | 2 | 2 | 10 | 22 | 5 | 4 | 4 | 4 | 4 | 21 | 43 | 23 | 10 | 12 | 11 | 11 | 52.27 | 34.48 | 41.38 | 37.93 | 37.93 | | |
| 15V20CV400 | 6 | 4 | 10 | 10 | 6 | 16 | 5 | 5 | 10 | 12 | 2 | 2 | 2 | 1 | 9 | 23 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 3 | 26 | 17 | 7.5 | 8.5 | 12.5 | 7.5 | 38.64 | 25.86 | 29.31 | 43.1 | 25.86 | | |
| 15V20CV401 | 6 | 5 | 11 | 8 | 6 | 14 | 10 | 6 | 16 | 14 | 2 | 2 | 2 | 2 | 10 | 28 | 5 | 3 | 3 | 3 | 3 | 17 | 45 | 28 | 14 | 16 | 15 | 9 | 63.64 | 48.28 | 55.17 | 51.72 | 31.03 | | |
| 15V20CV402 | 10 | 9 | 19 | 11 | 11 | 22 | 10 | 4 | 14 | 18 | 2 | 2 | 2 | 2 | 10 | 22 | 3 | 3 | 3 | 3 | 2 | 14 | 36 | 24 | 11 | 9 | 6 | 6 | 54.55 | 37.93 | 31.03 | 20.69 | 20.69 | | |
| 15V20CV403 | 9 | 6 | 15 | 10 | 4 | 14 | 1 | 2 | 7 | 12 | 2 | 2 | 2 | 2 | 10 | 405 | 1072 | 180 | 133 | 133 | 132 | 128 | 705 | 1777 | 1006 | 485 | 501 | 650 | 466.7 | 2287 | 1671 | 1727 | 2240 | 1609 | |
| TOTAL | 364 | 268 | 632 | 378 | 286 | 664 | 440 | 262 | 711 | 667 | 84 | 84 | 82 | 78 | 77 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Total students | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 2 | 2 | 2 | 2 | 1.86 | 1.83 | 9.64286 | 25.5 | 4.29 | 3.16 | 3.16 | 3.14 | 3.04 | 16.8 | 42.3 | 23.96 | 11.5 | 11.9 | 15.5 | 11.11 | 54.45 | 39.79 | 41.11 | 53.34 | 38.32 |
| Average | 8.67 | 6.38 | 15.05 | 9 | 6.81 | 15.8 | 10.5 | 6.24 | 16.9 | 15.881 | 2 | 2 | 2 | 2 | 1.86 | 1.83 | 9.64286 | 25.5 | 4.29 | 3.16 | 3.16 | 3.14 | 3.04 | 16.8 | 42.3 | 23.96 | 11.5 | 11.9 | 15.5 | 11.11 | 54.45 | 39.79 | 41.11 | 53.34 | 38.32 |

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 HOD
 Dept. of Civil Engg
 SIET, TUMKURU - 5

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DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|-----------------------------------|-----------------|-----------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Mrs. Bhavya C H |
| Subject | :Municipal Wastewater Engineering | Semester | : 5 |
| Code | :18CV55 | | |

| COURSE OUTCOMES | |
|-----------------|--|
| CO1 | Select the appropriate sewer appurtenances and materials in sewer network. |
| CO2 | . Design the sewers network and understand the self purification process in flowing water. |
| CO3 | Deisgn the varies physic- chemical treatment units |
| CO4 | . Design the various biological treatment units |
| CO5 | Design various AOPs and low cost treatment units |

| CO PO MAPPING | | | | | | | | | | | | |
|------------------------|------|------|------|-----|-----|-----|-----|------|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 2 | | | | | | 1 | | | | |
| CO2 | 3 | 3 | 2 | | | | | 2 | | | | |
| CO3 | 2 | 3 | 3 | | | | | 3 | | | | |
| CO4 | 2 | 3 | 3 | | | | | | | | | |
| CO5 | | | | | | | | 2 | | | | |
| AVG | 2.25 | 2.75 | 2.67 | | | | | 2.33 | | | | |
| OVERALL MAPPING | | | | | | | | | | | | 1.5 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
| CO1 | 58.5 | 1.7 | 1.1 | | | | | | 0.5 | | | | |
| | 5 | 6 | 7 | | | | | | 9 | | | | |
| CO2 | 69.7 | 20. | 2.0 | 1.3 | | | | | 1.3 | | | | |
| | 4 | 9 | 9 | 9 | | | | | 9 | | | | |
| CO3 | 69.1 | 1.3 | 2.0 | 2.0 | | | | | 2.0 | | | | |
| | 6 | 8 | 7 | 7 | | | | | 7 | | | | |
| Co4 | 76.3 | 1.5 | 2.2 | 2.2 | | | | | | | | | |
| | 7 | 3 | 9 | 9 | | | | | | | | | |
| CO5 | 37.2 | | | | | | | | 1.5 | | | | |
| | 9 | | | | | | | | 3 | | | | |
| 2Av G | | 1.5 | 1.9 | 1.9 | | | | | 1.6 | | | | |
| | | 6 | 2 | 2 | | | | | 7 | | | | |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.7 |


Course Instructor


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


PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

| Sl. No. | SEM ID | Name of the Student | THEORY | | | | | | | | | | PRACTICAL | | | | | ASSIGNMENT | | | | | SEM MARKS | | | | | GPA PERCENTAGE | | | | |
|---------|------------|-------------------------|--------|-------|-----|-------|-----|-------|-------|------|-----|------|-----------|------|-----|-------|-----|------------|-------|------|-------|-------|-----------|-------|-------|------|-------|----------------|--------|---------|----------|---------|
| | | | IA1 | | IA2 | | IA3 | | TOTAL | | COI | COII | COIII | COIV | COV | TOTAL | COI | COII | COIII | COIV | COV | TOTAL | COI | COII | COIII | COIV | COV | SEE | COI-EL | COII-EL | COIII-EL | COIV-EL |
| | | | COI | TOTAL | COI | TOTAL | COI | TOTAL | COI | COII | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 18V18CV002 | Ameya Yashwanth P Bhatt | 20 | 36 | 20 | 36 | 20 | 36 | 100 | 100 | 100 | 100 | 100 | 100 | 18 | 18 | 18 | 18 | 18 | 18 | 9.75 | 9.75 | 9.75 | 9.75 | 9.75 | 29 | 59.50 | 59.50 | 59.50 | 59.50 | 63.00 | |
| 2 | 18V18CV002 | Nayana D Y | 25 | 25 | 25 | 25 | 25 | 25 | 100 | 100 | 100 | 100 | 100 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 9.25 | 9.25 | 9.25 | 9.25 | 9.25 | 27 | 36.00 | 45.00 | 45.00 | 45.00 | 72.00 | |
| 3 | 18V18CV002 | Aradhya K V | 11 | 11 | 9 | 9 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6.25 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 40.50 | 40.50 | 40.50 | 40.50 | 45.00 | |
| 4 | 18V18CV002 | Jayashree P P | 15 | 15 | 20 | 20 | 20 | 20 | 100 | 100 | 100 | 100 | 100 | 100 | 15 | 15 | 15 | 15 | 15 | 15 | 9 | 9 | 9 | 9 | 9 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 5 | 18V18CV002 | Kavya S V | 24 | 24 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 30 | 24 | 24 | 24 | 24 | 24 | 12 | 12 | 12 | 12 | 12 | 48 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 6 | 18V18CV002 | Nyayajayanti | 18 | 18 | 14 | 14 | 14 | 14 | 100 | 100 | 100 | 100 | 100 | 100 | 20 | 20 | 20 | 20 | 20 | 20 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 27 | 59.25 | 78.00 | 60.00 | 79.50 | 84.00 | |
| 7 | 18V18CV002 | Harishanvi E V | 15 | 15 | 15 | 15 | 15 | 15 | 100 | 100 | 100 | 100 | 100 | 100 | 15 | 15 | 15 | 15 | 15 | 15 | 9 | 9 | 9 | 9 | 9 | 36 | 54.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 8 | 18V18CV002 | Suman J | 15 | 15 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 15 | 15 | 15 | 15 | 15 | 15 | 8.75 | 8.75 | 8.75 | 8.75 | 8.75 | 21 | 47.25 | 57.00 | 47.25 | 54.75 | 63.00 | |
| 9 | 18V18CV002 | Yashvi | 24 | 24 | 10 | 10 | 10 | 10 | 100 | 100 | 100 | 100 | 100 | 100 | 30 | 24 | 24 | 24 | 24 | 24 | 7.75 | 7.75 | 7.75 | 7.75 | 7.75 | 21 | 75.00 | 65.00 | 60.00 | 60.00 | 60.00 | |
| 10 | 18V18CV007 | Yashvi | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 15 | 15 | 15 | 15 | 15 | 7.75 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 52.50 | 57.00 | 57.00 | 54.00 | 60.00 | |
| 11 | 18V18CV007 | Aishya Subramanian | 14 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 14 | 14 | 14 | 14 | 14 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 11 | 45.00 | 52.50 | 45.00 | 52.50 | 60.00 | |
| 12 | 18V18CV007 | Aradhya P | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 20 | 20 | 20 | 20 | 20 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 25 | 45.00 | 45.00 | 45.00 | 45.00 | 72.00 | |
| 13 | 18V18CV007 | Anil B Kol | 3 | 3 | 9 | 9 | 10 | 10 | 7 | 7 | 7 | 7 | 7 | 7 | 10 | 9 | 9 | 9 | 9 | 9 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 21 | 25.50 | 31.50 | 25.50 | 31.50 | 36.00 | |
| 14 | 18V18CV007 | Aradhya | 15 | 15 | 10 | 10 | 14 | 14 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 27 | 40.50 | 45.00 | 40.50 | 45.00 | 45.00 | |
| 15 | 18V18CV007 | Aradhya | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 15 | 15 | 15 | 15 | 15 | 5.25 | 5.25 | 5.25 | 5.25 | 5.25 | 27 | 40.50 | 45.00 | 45.00 | 45.00 | 45.00 | |
| 16 | 18V18CV007 | Aradhya | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 28.50 | 33.00 | 28.50 | 33.00 | 36.00 | |
| 17 | 18V18CV007 | Aradhya | 14 | 14 | 8 | 8 | 12 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 14 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 8 | 8 | 21 | 54.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 18 | 18V18CV007 | Ashvi B O | 11 | 11 | 0 | 0 | 11 | 11 | 4 | 4 | 4 | 4 | 4 | 4 | 10 | 11 | 11 | 11 | 11 | 11 | 3.75 | 3.75 | 3.75 | 3.75 | 3.75 | 11 | 33.00 | 33.00 | 33.00 | 33.00 | 33.00 | |
| 19 | 18V18CV007 | Aishwarya H | 23 | 23 | 0 | 0 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 23 | 23 | 23 | 23 | 23 | 9 | 9 | 9 | 9 | 9 | 36 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 20 | 18V18CV007 | Harish Kumar B | 20 | 20 | 12 | 12 | 12 | 12 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 20 | 20 | 20 | 20 | 20 | 8 | 8 | 8 | 8 | 8 | 36 | 48.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 21 | 18V18CV007 | Kiran Kumar K B | 16 | 16 | 14 | 14 | 14 | 14 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 16 | 16 | 16 | 16 | 16 | 11 | 11 | 11 | 11 | 11 | 44 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 | |
| 22 | 18V18CV007 | Kalyani K H | 17 | 17 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 17 | 17 | 17 | 17 | 17 | 11 | 11 | 11 | 11 | 11 | 44 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 | |
| 23 | 18V18CV007 | Kalyani K B | 26 | 26 | 10 | 10 | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 26 | 26 | 26 | 26 | 26 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 | 40 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 24 | 18V18CV007 | Manoj Kumar J H | 20 | 20 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 10 | 20 | 20 | 20 | 20 | 20 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 24 | 48.00 | 57.00 | 57.00 | 57.00 | 60.00 | |
| 25 | 18V18CV007 | Manoj Kumar B | 11 | 11 | 10 | 10 | 10 | 10 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 11 | 11 | 11 | 11 | 11 | 8 | 8 | 8 | 8 | 8 | 24 | 48.00 | 48.00 | 48.00 | 48.00 | 48.00 | |
| 26 | 18V18CV007 | Manoj K R | 18 | 18 | 14 | 14 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 18 | 18 | 18 | 18 | 18 | 10 | 10 | 10 | 10 | 10 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 27 | 18V18CV007 | Manoj K R | 18 | 18 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 18 | 18 | 18 | 18 | 18 | 10 | 10 | 10 | 10 | 10 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 28 | 18V18CV007 | Manoj K R | 18 | 18 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 18 | 18 | 18 | 18 | 18 | 11 | 11 | 11 | 11 | 11 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 29 | 18V18CV007 | Manoj K R | 14 | 14 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 14 | 14 | 14 | 14 | 14 | 9 | 9 | 9 | 9 | 9 | 24 | 48.00 | 48.00 | 48.00 | 48.00 | 48.00 | |
| 30 | 18V18CV007 | Manoj K R | 15 | 15 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 15 | 15 | 15 | 15 | 15 | 11 | 11 | 11 | 11 | 11 | 27 | 40.50 | 45.00 | 40.50 | 45.00 | 45.00 | |
| 31 | 18V18CV007 | Manoj K R | 17 | 17 | 12 | 12 | 14 | 14 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 17 | 17 | 17 | 17 | 17 | 12 | 12 | 12 | 12 | 12 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 32 | 18V18CV007 | Manoj K R | 9 | 9 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 9 | 9 | 9 | 9 | 9 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 9 | 27.00 | 27.00 | 27.00 | 27.00 | 27.00 | |
| 33 | 18V18CV007 | Manoj K R | 12 | 12 | 7 | 7 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 28 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | |
| 34 | 18V18CV007 | Manoj K R | 17 | 17 | 0 | 0 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 17 | 17 | 17 | 17 | 17 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 33 | 49.50 | 49.50 | 49.50 | 49.50 | 49.50 | |
| 35 | 18V18CV007 | Manoj K R | 18 | 18 | 10 | 10 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 18 | 18 | 18 | 18 | 18 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 59.25 | 63.00 | 63.00 | 63.00 | 63.00 | |
| 36 | 18V18CV007 | Manoj K R | 18 | 18 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 18 | 18 | 18 | 18 | 18 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 28 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | |
| 37 | 18V18CV007 | Manoj K R | 23 | 23 | 14 | 14 | 10 | 10 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 23 | 23 | 23 | 23 | 23 | 11.75 | 11.75 | 11.75 | 11.75 | 11.75 | 47 | 70.50 | 70.50 | 70.50 | 70.50 | 70.50 | |
| 38 | 18V18CV007 | Manoj K R | 11 | 11 | 4 | 4 | 0 | 0 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 11 | 11 | 4 | 4 | 4 | 4 | 4 | 12 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | |
| 39 | 18V18CV007 | Manoj K R | 9 | 9 | 0 | 0 | 12 | 12 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 36 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 | |
| 40 | 18V18CV007 | Manoj K R | 13 | 13 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 13 | 13 | 13 | 13 | 13 | 10.75 | 10.75 | 10.75 | 10.75 | 10.75 | 36 | 54.00 | 60.00 | 60.00 | 60.00 | 60.00 | |
| 41 | 18V18CV007 | Manoj K R | 18 | 18 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 18 | 18 | 18 | 18 | 18 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 36 | 54.00 | 60.00 | 60.00 | | | |

DEPARTMENT OF CIVIL ENGINEERING

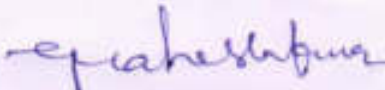
| | | | |
|----------------------|-----------------------------|-----------------|---------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Mr. Prakash J |
| Subject | :Highway Engineering | Semester | : 5 |
| Code | :18CV56 | | |

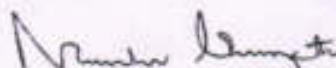
| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Acquire the capability of proposing a new alignment or re-alignment of existing roads, conduct necessary field investigation for generation of required data. |
| CO2 | Evaluate the engineering properties of the materials and suggest the suitability 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 | | | | | | | | | | | | |
|-----------------|------|-----|-----|-----|-----|------|------|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 2 | | | | | 1 | 1 | | | | 1 |
| CO2 | 3 | 2 | | | | 1 | | 1 | | | | 1 |
| CO3 | 3 | 2 | | | | | 1 | 1 | | | | 1 |
| CO4 | 2 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| AVG | 2.75 | 2 | | | | 0.25 | 0.75 | 1 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.43 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|-----|-----|-----|------|------|-----|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 70.94 | 2.13 | 1.42 | | | | | 0.71 | | | | | 0.71 |
| CO2 | 66.19 | 1.99 | 1.32 | | | | 0.66 | | | | | | 0.66 |
| CO3 | 74.18 | 2.23 | 1.48 | | | | | 0.74 | | | | | 0.74 |
| Co4 | 67.81 | 1.36 | 1.36 | | | | 0.68 | 0.68 | | | | | 0.68 |
| AvG | 69.78 | 1.92 | 1.4 | | | | 0.67 | 0.67 | | | | | 0.70 |
| OVERALL ATTAINMENT | | | | | | | | | | | | 1.07 | |


Course Instructor


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


PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY

| Sl. No. | IDM NO | Name of the Student | IA1 | | IA2 | | IA3 | | ASSIGNMENT | | | | | | CIE MARKS | | | | SIE MARKS | | | | GR MARKS | C05 PERCENTAGE | | | | |
|---------|------------|-----------------------------|-------|-------|------|------|-------|------|------------|-------|------|------|------|------|-----------|-------|-------|-------|-----------|-------|-------|-------|----------|----------------|-------|--------|--------|--------|
| | | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | | CO4 | SIE | CO1-47 | CO2-32 | CO3-47 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | % | % | % |
| 1 | 18V18C1002 | Aruna Varsha P Barik | 14 | 16 | 10 | 10 | 10 | 20 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 10 | 18.5 | 12.5 | 22.5 | 12.5 | 9.75 | 9.75 | 9.75 | 9.75 | 29 | 58.47 | 44.46 | 70.88 | 68.46 | |
| 2 | 18V18C1009 | Nayana D T | 25 | 25 | 10 | 13 | 21 | 19 | 10 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 27.5 | 12.5 | 30.5 | 12.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 77.37 | 68.93 | 87.36 | 86.93 |
| 3 | 18V18C1010 | Danush K V | 11 | 11 | 5 | 10 | 15 | 4 | 0 | 0 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 13.5 | 7.5 | 12.5 | 2.5 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 43.38 | 43.33 | 43.21 | 26.92 |
| 4 | 18V18C1012 | Devika K Puri | 15 | 15 | 10 | 10 | 20 | 11 | 15 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 12.5 | 23.5 | 17.5 | 9 | 9 | 9 | 9 | 36 | 55.78 | 66.35 | 71.43 | 81.54 |
| 5 | 18V18C1020 | Kavya B K | 24 | 24 | 12 | 10 | 22 | 12 | 12 | 24 | 3.5 | 3.5 | 3.5 | 3.5 | 14 | 26.5 | 14.5 | 24.5 | 14.5 | 12 | 12 | 12 | 12 | 49 | 81.85 | 81.54 | 89.23 | 81.54 |
| 6 | 18V18C1023 | Nagalakshmi | 18 | 18 | 14 | 10 | 24 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20.5 | 16.5 | 22.5 | 15.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 60.53 | 76.15 | 67.58 | 73.08 |
| 7 | 18V18C1031 | Sivansurthy S V | 15 | 15 | 15 | 14 | 29 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 17.5 | 30.5 | 17.5 | 9 | 9 | 9 | 9 | 36 | 55.78 | 91.54 | 86.41 | 61.54 |
| 8 | 18V18C1033 | Sneha J | 15 | 15 | 11 | 10 | 21 | 13 | 10 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 13.5 | 25.5 | 12.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 48.95 | 59.23 | 60.68 | 56.15 |
| 9 | 18V18C1035 | Toya K G | 24 | 24 | 11 | 10 | 21 | 8 | 10 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 26.5 | 13.5 | 30.5 | 12.5 | 7.25 | 7.25 | 7.25 | 7.25 | 31 | 71.31 | 65.48 | 62.09 | 62.21 |
| 10 | 18V18C1037 | Vidyal Rudrappa Hanumanavar | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 11.5 | 2.5 | 10.5 | 7.25 | 7.25 | 7.25 | 7.25 | 31 | 55.16 | 59.23 | 22.54 | 56.15 |
| 11 | 18V18C1090 | Asha Tabassum | 16 | 16 | 10 | 5 | 5 | 9 | 0 | 9 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 18.5 | 2.5 | 14.5 | 2.5 | 3.25 | 3.25 | 3.25 | 3.25 | 11 | 43.48 | 34.62 | 41.21 | 34.62 |
| 12 | 18V18C1063 | Armita P | 20 | 20 | 10 | 8 | 5 | 13 | 14 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 2.5 | 23.5 | 16.5 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 62.63 | 80.05 | 67.58 | 73.08 |
| 13 | 18V18C1065 | Ash B Kuk | 5 | 5 | 10 | 12 | 12 | 5 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 7.5 | 2.5 | 21.5 | 13.5 | 5.75 | 5.75 | 5.75 | 5.75 | 21 | 36.84 | 23.85 | 58.79 | 34.62 |
| 14 | 18V18C1064 | Anshulakshmi | 11 | 11 | 10 | 4 | 14 | 12 | 10 | 22 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 13.5 | 12.5 | 18.5 | 12.5 | 9.25 | 9.25 | 9.25 | 9.25 | 27 | 47.89 | 66.32 | 60.99 | 68.93 |
| 15 | 18V18C1085 | Apparajitha | 15 | 15 | 10 | 10 | 10 | 10 | 10 | 10 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 2.5 | 22.5 | 2.5 | 2.25 | 2.25 | 2.25 | 2.25 | 8 | 41.58 | 14.62 | 54.40 | 34.62 |
| 16 | 18V18C1096 | Arvind Sharma Kakshenjethan | 4 | 4 | 0 | 0 | 13 | 13 | 26 | 2.3 | 2.3 | 2.3 | 2.3 | 10 | 6.5 | 2.5 | 13.5 | 13.5 | 0 | 0 | 0 | 0 | 0 | 13.48 | 7.49 | 34.07 | 47.69 | |
| 17 | 18V18C1067 | Avinash Naik S | 16 | 16 | 8 | 12 | 20 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 18.5 | 10.5 | 24.5 | 12.5 | 8 | 8 | 8 | 8 | 32 | 55.78 | 56.32 | 71.43 | 63.08 |
| 18 | 18V18C1068 | Dhanya D O | 11 | 11 | 8 | 3 | 11 | 9 | 4 | 13 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 13.5 | 10.5 | 14.5 | 4.5 | 3.75 | 2.75 | 2.75 | 2.75 | 11 | 34.33 | 40.77 | 37.91 | 28.46 |
| 19 | 18V18C1069 | Devdara N | 23 | 23 | 10 | 9 | 19 | 10 | 7 | 17 | 3.5 | 3.5 | 3.5 | 3.5 | 10 | 25.5 | 2.5 | 21.5 | 9.5 | 8 | 8 | 8 | 8 | 32 | 70.53 | 52.35 | 64.88 | 53.85 |
| 20 | 18V18C1016 | Harsh Kumar B | 20 | 20 | 12 | 10 | 22 | 14 | 12 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 14.5 | 26.5 | 14.5 | 9 | 9 | 9 | 9 | 36 | 66.32 | 72.31 | 78.03 | 72.31 |
| 21 | 18V18C1012 | Kiran Kumar K S | 14 | 14 | 14 | 14 | 28 | 10 | 11 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 18.5 | 16.5 | 26.5 | 13.5 | 11 | 11 | 11 | 11 | 44 | 62.13 | 86.62 | 82.42 | 75.38 |
| 22 | 18V18C1013 | Lalitha K H | 13 | 13 | 14 | 14 | 28 | 15 | 14 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 15.5 | 24.5 | 16.5 | 11 | 11 | 11 | 11 | 44 | 64.21 | 81.54 | 80.01 | 84.62 |
| 23 | 18V18C1014 | Lalitha K S | 26 | 26 | 16 | 5 | 17 | 0 | 0 | 17 | 3.5 | 3.5 | 3.5 | 3.5 | 10 | 28.5 | 12.5 | 9.5 | 2.5 | 10.75 | 10.75 | 10.75 | 10.75 | 43 | 82.63 | 71.54 | 44.51 | 40.77 |
| 24 | 18V18C1011 | Manoranjan T H | 20 | 20 | 12 | 5 | 17 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 14.5 | 17.5 | 15.5 | 8.5 | 8.5 | 8.5 | 8.5 | 34 | 65.26 | 70.77 | 57.14 | 73.08 |
| 25 | 18V18C1016 | Manisha D P | 11 | 11 | 10 | 5 | 15 | 10 | 14 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 13.5 | 12.5 | 14.5 | 16.5 | 8 | 8 | 8 | 8 | 32 | 45.26 | 63.08 | 58.29 | 75.38 |
| 26 | 18V18C1017 | Nandini C R | 14 | 14 | 14 | 10 | 24 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20.5 | 16.5 | 22.5 | 12.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 58.95 | 71.85 | 65.93 | 63.54 |
| 27 | 18V18C1018 | Prasenjitkumar | 19 | 19 | 10 | 10 | 20 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21.5 | 12.5 | 22.5 | 12.5 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 58.95 | 58.46 | 62.78 | 58.46 |
| 28 | 18V18C1019 | Pavan Kumar G | 19 | 19 | 11 | 11 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21.5 | 13.5 | 12.5 | 12.5 | 9.75 | 9.75 | 9.75 | 9.75 | 33 | 57.37 | 59.23 | 40.11 | 56.15 | |
| 29 | 18V18C1020 | Praveen G S | 14 | 14 | 9 | 10 | 19 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 16.5 | 11.5 | 22.5 | 12.5 | 6 | 6 | 6 | 6 | 24 | 47.37 | 53.85 | 62.64 | 66.15 |
| 30 | 18V18C1021 | Raksh Gowda T J | 15 | 15 | 11 | 13 | 24 | 13 | 10 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 13.5 | 26.5 | 12.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 56.42 | 70.89 | 78.57 | 86.93 |
| 31 | 18V18C1024 | Sivansuri Helwar | 17 | 17 | 12 | 12 | 24 | 10 | 19 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 14.5 | 24.5 | 13.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 57.37 | 68.46 | 70.89 | 71.54 |
| 32 | 18V18C1025 | Shvachandha Basant | 9 | 9 | 7 | 10 | 17 | 11 | 11 | 22 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 11.5 | 9.5 | 2.5 | 13.5 | 0 | 0 | 0 | 0 | 0 | 24.27 | 29.23 | 5.49 | 43.54 |
| 33 | 18V18C1027 | Sudheep R | 12 | 12 | 7 | 10 | 17 | 11 | 12 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 14.5 | 9.5 | 22.5 | 14.5 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 43.68 | 48.66 | 62.19 | 62.85 |
| 34 | 18V18C1028 | Surya M N | 17 | 17 | 8 | 9 | 17 | 4 | 10 | 14 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 10.5 | 15.5 | 12.5 | 3.75 | 2.75 | 2.75 | 2.75 | 11 | 46.88 | 40.77 | 40.11 | 44.91 |
| 35 | 18V18C1029 | Sushmita R | 18 | 18 | 10 | 14 | 24 | 14 | 14 | 28 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20.5 | 12.5 | 30.5 | 16.5 | 8.25 | 8.25 | 8.25 | 8.25 | 32 | 60.33 | 63.05 | 80.16 | 75.15 |
| 36 | 18V18C1030 | Tarun D Hoskar | 18 | 18 | 9 | 10 | 19 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20.5 | 11.5 | 12.5 | 12.5 | 7.25 | 7.25 | 7.25 | 7.25 | 28 | 58.42 | 57.48 | 43.41 | 65.77 |
| 37 | 18V18C1031 | Vishnu S | 23 | 23 | 14 | 14 | 28 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23.5 | 16.5 | 30.5 | 13.5 | 11.75 | 11.75 | 11.75 | 11.75 | 47 | 76.42 | 86.92 | 92.86 | 83.85 |
| 38 | 18V18C1032 | Kunal R | 11 | 11 | 4 | 0 | 4 | 11 | 11 | 22 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 13.5 | 6.5 | 7.5 | 13.5 | 3 | 3 | 3 | 3 | 12 | 34.74 | 24.23 | 12.09 | 50.77 |
| 39 | 18V20C1060 | Gagan N | 9 | 9 | 8 | 12 | 16 | 10 | 5 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 11.5 | 6.5 | 24.5 | 7.5 | 0 | 0 | 0 | 0 | 36 | 43.36 | 47.48 | 73.63 | 50.77 |
| 40 | 18V20C1061 | Madhu N B | 13 | 13 | 11 | 10 | 21 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 15.5 | 13.5 | 22.5 | 13.5 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 53.16 | 71.54 | 70.88 | 77.69 |
| 41 | 18V20C1062 | Ramdhyan Mallanar | 10 | 10 | 13 | 14 | 27 | 14 | 14 | 28 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 18.5 | 17.5 | 30.5 | 16.5 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 58.95 | 83.08 | 87.93 | 80.00 |
| 42 | 18V20C1063 | Raksh L P | 17 | 17 | 9 | 10 | 19 | 13 | 14 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 11.5 | 20.5 | 16.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 58.88 | 58.46 | 72.53 | 73.08 |
| Average | | | 16.85 | 16.09 | 8.79 | 8.88 | 17.67 | 9.38 | 10.19 | 19.57 | 2.38 | 2.50 | 2.50 | 2.50 | 10.00 | 18.50 | 11.29 | 26.76 | 12.60 | 7.38 | 7.28 | 7.28 | 7.28 | 29.17 | 54.37 | 57.12 | 61.63 | 61.45 |

Course In-Charge

Prakash J

Prakash J

HOD

Dept. of Civil Engineering
SIET, TUMKUR - 6.

Principal

Prakash J

PRINCIPAL
SIET, TUMAKURU

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|-------------------------------|-----------------|------------------------|
| Academic Year | :2021-22 (Odd Sem) | Faculty | Ms. Niranjani B |
| Subject | :Environmental Studies | Semester | : 5 |
| Code | : 18CVI59 | | |

| COURSE OUTCOMES | |
|-----------------|--|
| CO1 | Understand the principles of ecology and environmental issues that apply to air, land, and water issues on a global scale |
| CO2 | Develop critical thinking and/or observations skills, and apply them to the analysis of a problem or question related to the environment |
| CO3 | Demonstrate ecology knowledge of a complex relationship between biotic and abiotic components |
| CO4 | Apply their ecological knowledge to illustrate and graph a problem and describe the realities that Managers face when dealing with complex issues. |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | | | | | | 2 | 2 | 2 | | 1 | | 1 |
| CO2 | | | | | | 2 | 2 | 2 | | 1 | | 1 |
| CO3 | | | | | | 2 | 2 | 2 | | 1 | | 1 |
| CO4 | | | | | | 2 | 2 | 2 | | 1 | | 1 |
| AVG | | | | | | 2 | 2 | 2 | | 1 | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.5 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|-----|-----|-----|-----|-----|------|------|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 56.83 | | | | | | 1.14 | 1.14 | 1.14 | | 0.57 | | 0.57 |
| CO2 | 56.83 | | | | | | 1.14 | 1.14 | 1.14 | | 0.57 | | 0.57 |
| CO3 | 56.83 | | | | | | 1.14 | 1.14 | 1.14 | | 0.57 | | 0.57 |
| Co4 | 56.83 | | | | | | 1.14 | 1.14 | 1.14 | | 0.57 | | 0.57 |
| AvG | 56.83 | | | | | | 1.14 | 1.14 | 1.14 | | 0.57 | | 0.57 |
| OVERALL ATTAINMENT | | | | | | | | | | | | 1.0 | |

Niranjani B
 Course Instructor

Prakash Kumar
 HOD
 Dept. of Civil Engineering
 SIET TUMKUR - 6

Niranjan B
 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

| Sl. No. | USN NO | CIE | | | | | TOTAL | SIE | | | | SIE | COS PERCENTAGE | | | |
|---------|------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|----------------|--------|--------|--------|
| | | CO1 | CO2 | CO3 | CO4 | CO1 | | CO2 | CO3 | CO4 | 60 | | CO1+25 | CO2+25 | CO3+25 | CO4+25 |
| 1 | ISV18CV002 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 50 | 50 | 50 | 50 | |
| 2 | ISV18CV009 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 51 | 51 | 51 | 51 | |
| 3 | ISV18CV010 | 5 | 5 | 5 | 5 | 20 | 7 | 7 | 7 | 7 | 28 | 48 | 48 | 48 | 48 | |
| 4 | ISV18CV012 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 10 | 10 | 10 | 10 | 40 | 65 | 65 | 65 | 65 | |
| 5 | ISV18CV020 | 5 | 5 | 5 | 5 | 20 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 47 | 47 | 47 | 47 | |
| 6 | ISV18CV023 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 67 | 67 | 67 | 67 | |
| 7 | ISV18CV031 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 55 | 55 | 55 | 55 | |
| 8 | ISV18CV033 | 8 | 8 | 8 | 8 | 32 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 63 | 63 | 63 | 63 | |
| 9 | ISV18CV035 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 42 | 42 | 42 | 42 | |
| 10 | ISV18CV037 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 8.75 | 8.75 | 8.75 | 8.75 | 35 | 60 | 60 | 60 | 60 | |
| 11 | ISV19CV001 | 5 | 5 | 5 | 5 | 20 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 41 | 41 | 41 | 41 | |
| 12 | ISV19CV002 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 8.5 | 8.5 | 8.5 | 8.5 | 34 | 57 | 57 | 57 | 57 | |
| 13 | ISV19CV003 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 8 | 8 | 8 | 8 | 32 | 53 | 53 | 53 | 53 | |
| 14 | ISV19CV004 | 6 | 6 | 6 | 6 | 24 | 8.75 | 8.75 | 8.75 | 8.75 | 35 | 59 | 59 | 59 | 59 | |
| 15 | ISV19CV005 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 8.75 | 8.75 | 8.75 | 8.75 | 35 | 62 | 62 | 62 | 62 | |
| 16 | ISV19CV006 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 50 | 50 | 50 | 50 | |
| 17 | ISV19CV007 | 5 | 5 | 5 | 5 | 20 | 4.25 | 4.25 | 4.25 | 4.25 | 17 | 37 | 37 | 37 | 37 | |
| 18 | ISV19CV008 | 6 | 6 | 6 | 6 | 24 | 10.25 | 10.25 | 10.25 | 10.25 | 41 | 65 | 65 | 65 | 65 | |
| 19 | ISV19CV009 | 5.5 | 5.5 | 5.5 | 5.5 | 22 | 8 | 8 | 8 | 8 | 32 | 54 | 54 | 54 | 54 | |
| 20 | ISV19CV010 | 5 | 5 | 5 | 5 | 20 | 12 | 12 | 12 | 12 | 48 | 68 | 68 | 68 | 68 | |
| 21 | ISV19CV012 | 6 | 6 | 6 | 6 | 24 | 9 | 9 | 9 | 9 | 36 | 60 | 60 | 60 | 60 | |
| 22 | ISV19CV013 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 12.5 | 12.5 | 12.5 | 12.5 | 50 | 73 | 73 | 73 | 73 | |
| 23 | ISV19CV014 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 55 | 55 | 55 | 55 | |
| 24 | ISV19CV015 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 10.5 | 10.5 | 10.5 | 10.5 | 42 | 63 | 63 | 63 | 63 | |
| 25 | ISV19CV016 | 5 | 5 | 5 | 5 | 20 | 10.75 | 10.75 | 10.75 | 10.75 | 43 | 63 | 63 | 63 | 63 | |
| 26 | ISV19CV017 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 10.75 | 10.75 | 10.75 | 10.75 | 43 | 76 | 76 | 76 | 76 | |
| 27 | ISV19CV018 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 57 | 57 | 57 | 57 | |
| 28 | ISV19CV019 | 7 | 7 | 7 | 7 | 28 | 10.25 | 10.25 | 10.25 | 10.25 | 41 | 69 | 69 | 69 | 69 | |
| 29 | ISV19CV020 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 51 | 51 | 51 | 51 | |
| 30 | ISV19CV021 | 6 | 6 | 6 | 6 | 24 | 10.5 | 10.5 | 10.5 | 10.5 | 42 | 66 | 66 | 66 | 66 | |
| 31 | ISV19CV024 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 47 | 47 | 47 | 47 | |
| 32 | ISV19CV025 | 5 | 5 | 5 | 5 | 20 | 5.5 | 5.5 | 5.5 | 5.5 | 22 | 42 | 42 | 42 | 42 | |
| 33 | ISV19CV027 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 60 | 60 | 60 | 60 | |
| 34 | ISV19CV028 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 8 | 8 | 8 | 8 | 32 | 53 | 53 | 53 | 53 | |
| 35 | ISV19CV029 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 10 | 10 | 10 | 10 | 40 | 66 | 66 | 66 | 66 | |
| 36 | ISV19CV030 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 60 | 60 | 60 | 60 | |
| 37 | ISV19CV031 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 11.25 | 11.25 | 11.25 | 11.25 | 45 | 71 | 71 | 71 | 71 | |
| 38 | ISV19CV032 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 59 | 59 | 59 | 59 | |
| 39 | ISV20CV400 | 5 | 5 | 5 | 5 | 20 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 49 | 49 | 49 | 49 | |
| 40 | ISV20CV401 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 3.75 | 3.75 | 3.75 | 3.75 | 15 | 36 | 36 | 36 | 36 | |
| 41 | ISV20CV402 | 5.5 | 5.5 | 5.5 | 5.5 | 22 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 61 | 61 | 61 | 61 | |
| 42 | ISV20CV403 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 56 | 56 | 56 | 56 | |
| | | 5.96 | 5.96 | 5.96 | 5.96 | 23.83 | 8.25 | 8.25 | 8.25 | 8.25 | 33.00 | 56.83 | 56.83 | 56.83 | 56.83 | |

Course Instructor



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

Principal

Principal
 PRINCIPAL
 SIET, TUMKURU.

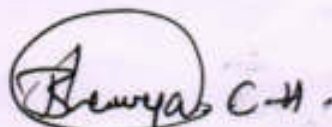
DEPARTMENT OF CIVIL ENGINEERING

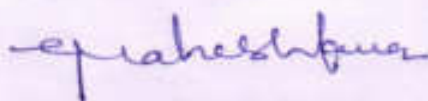
| | | | |
|---------------|---|----------|-----------------|
| Academic Year | :2021-22 (ODD SEM) | Faculty | Mrs. Bhavya C H |
| Subject | :Quantity Surveying and Contract Management | Semester | : 7 |
| Code | :18CV71 | | |

| COURSE OUTCOMES | |
|-----------------|--|
| CO1 | Estimate the quantities of different items of work for roads and buildings |
| CO2 | Develops specification for civil engineering works and prepare rate analysis |
| CO3 | Interpret contract document and international construction works. |
| CO4 | Develop valuation reports of buildings. |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 2 | | | | 1 | 1 | 1 | | | 2 | |
| CO2 | 3 | | | | | 1 | | 2 | | | 2 | 1 |
| CO3 | 2 | 2 | | | | 1 | | 2 | | | 2 | 1 |
| CO4 | 2 | 2 | | | | 1 | | 2 | | | 2 | 1 |
| AVG | 2.5 | 2 | | | | 1 | 1 | 1.75 | | | 2 | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.60 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|-----|-----|-----|------|-----|-------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 61.68 | 1.85 | 1.23 | | | | 0.62 | 0.6 | 0.61 | | | 1.23 | |
| CO2 | 69.74 | 2.09 | 0 | | | | 0.69 | | 1.399 | | | 1.39 | 0.69 |
| CO3 | 69.16 | 1.38 | 1.38 | | | | 0.69 | | 1.38 | | | 1.38 | 0.69 |
| CO4 | 76.37 | 1.53 | 1.53 | | | | 0.76 | | 1.53 | | | 1.52 | 0.76 |
| AVG | | 1.71 | 1.04 | | | | 0.69 | 0.6 | 1.23 | | | 1.38 | 0.54 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.03 |


 Course Instructor



HOD
 Dept. of Civil Engineering
 SIET TUMKUR


 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

| Subject: QS&CM | | Subject Code: 18CV71 | Scheme | 2021-22 odd | | | | | | | | | | | | | | | | | | | | | | |
|----------------|------------|-------------------------|--------|-------------|------|------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|--------------|----------------------|-------|-------|-----|------------------|--|--|--|
| SL.NO | USN | STUDENT NAME | IA 1 | | | | | IA 2 | | | | | IA 3 | | | | | SEE 60 MARKS | SEE MARKS ATTAINMENT | | | | FINAL ATTAINMENT | | | |
| | | | CO1 | CO2 | CO3 | CO4 | CO5 | CO1 | CO2 | CO3 | CO4 | CO5 | CO1 | CO2 | CO3 | CO4 | CO5 | | CO1 | CO2 | CO3 | CO4 | | | | |
| 1 | 1SV18CV009 | Kiran Kumar M T | 5 | 6.00 | 6 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 26 | 5.2 | 5.2 | 5.2 | 5.2 | 27.73 | 45.52 | 45.52 | 44.48 | | | | | |
| 2 | 1SV18CV010 | Apoorva A | 10 | 4.00 | 4 | 11 | 11 | 2 | 2 | 2 | 2 | 2 | 30 | 6 | 6 | 6 | 6 | 40.91 | 41.38 | 41.38 | 72.41 | | | | | |
| 3 | 1SV18CV014 | B M Meghaikar | 3 | 4.50 | 4.5 | 13.5 | 13.5 | 2 | 2 | 2 | 2 | 2 | 34 | 6.8 | 6.8 | 6.8 | 6.8 | 26.82 | 45.86 | 45.86 | 76.90 | | | | | |
| 4 | 1SV18CV017 | Chandan Ganesh P | 11 | 8.00 | 8 | 11 | 11 | 2 | 2 | 2 | 2 | 2 | 28 | 5.5 | 5.5 | 5.5 | 5.5 | 42.27 | 46.90 | 46.90 | 67.58 | | | | | |
| 5 | 1SV18CV008 | Chandhana Patel K A | 11 | 6.00 | 6 | 12 | 12 | 2 | 2 | 2 | 2 | 2 | 28 | 5.5 | 5.5 | 5.5 | 5.5 | 42.27 | 46.90 | 46.90 | 67.58 | | | | | |
| 6 | 1SV18CV011 | Durga B | 11 | 5.50 | 5.5 | 10 | 10 | 2 | 2 | 2 | 2 | 2 | 36 | 7.2 | 7.2 | 7.2 | 7.2 | 55.00 | 67.93 | 67.93 | 83.45 | | | | | |
| 7 | 1SV18CV013 | Doddabasappa Polurupati | 15 | 10.50 | 10.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 26 | 5.2 | 5.2 | 5.2 | 5.2 | 45.36 | 55.86 | 55.86 | 71.38 | | | | | |
| 8 | 1SV18CV014 | Fateh Ulla Khan | 11 | 9.00 | 9 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 26 | 5.2 | 5.2 | 5.2 | 5.2 | 45.36 | 55.86 | 55.86 | 71.38 | | | | | |
| 9 | 1SV18CV015 | Haranesh | 9 | 9.00 | 9 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 40.91 | 62.07 | 62.07 | 82.76 | | | | | |
| 10 | 1SV18CV017 | Hrudvik P | 14 | 9.50 | 9.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 42 | 8.4 | 8.4 | 8.4 | 8.4 | 55.45 | 68.62 | 68.62 | 87.50 | | | | | |
| 11 | 1SV18CV018 | Jayashree P | 17 | 10.00 | 10 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 58.18 | 64.14 | 64.14 | 81.38 | | | | | |
| 12 | 1SV18CV019 | Kartik G | 11 | 6.00 | 6 | 9.5 | 9.5 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 30.55 | 42.76 | 42.76 | 54.83 | | | | | |
| 13 | 1SV18CV026 | Pavan Nag M A | 8 | 8.50 | 8.5 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 30.73 | 51.38 | 51.38 | 61.72 | | | | | |
| 14 | 1SV18CV027 | Pooja M | 4 | 5.50 | 5.5 | 11.1 | 11.1 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 26.82 | 45.86 | 45.86 | 66.55 | | | | | |
| 15 | 1SV18CV028 | Priyanka M D | 5 | 7.50 | 7.5 | 11 | 11 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 31.82 | 46.90 | 46.90 | 66.55 | | | | | |
| 16 | 1SV18CV029 | Rashmi Mahata Singh | 6 | 7.00 | 7 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 28.18 | 46.21 | 46.21 | 73.79 | | | | | |
| 17 | 1SV18CV030 | Sandeep Kumar C | 11 | 7.00 | 7 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 44.09 | 53.10 | 53.10 | 80.69 | | | | | |
| 18 | 1SV18CV036 | Vidhwanath H P | 14 | 11.50 | 11.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 51.36 | 69.31 | 69.31 | 81.38 | | | | | |
| 19 | 1SV18CV040 | Aastha Sohani | 8 | 9.00 | 9 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 37.27 | 60.00 | 60.00 | 80.69 | | | | | |
| 20 | 1SV18CV002 | Rhavana G | 14 | 10.00 | 10 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 50.45 | 62.76 | 62.76 | 80.00 | | | | | |
| 21 | 1SV18CV003 | Chandan A B | 5 | 9.00 | 9 | 11 | 11 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 25.91 | 53.10 | 53.10 | 66.90 | | | | | |
| 22 | 1SV18CV004 | Chandhana B S | 0 | 7.00 | 7 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 42 | 8.4 | 8.4 | 8.4 | 8.4 | 23.64 | 60.00 | 60.00 | 75.52 | | | | | |
| 23 | 1SV18CV005 | Darshan B | 12 | 6.00 | 6 | 7.5 | 7.5 | 2 | 2 | 2 | 2 | 2 | 21 | 4.2 | 4.2 | 4.2 | 4.2 | 41.36 | 42.07 | 42.07 | 47.24 | | | | | |
| 24 | 1SV18CV006 | Deepika V Jan | 6 | 5.00 | 5 | 11 | 11 | 2 | 2 | 2 | 2 | 2 | 28 | 5.6 | 5.6 | 5.6 | 5.6 | 30.91 | 43.45 | 43.45 | 71.03 | | | | | |
| 25 | 1SV18CV007 | Dhanashree M N | 10 | 8.00 | 8 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 41.82 | 56.55 | 56.55 | 68.62 | | | | | |
| 26 | 1SV18CV008 | Gayatri S N | 6 | 6.00 | 6 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 32.27 | 46.97 | 46.97 | 80.00 | | | | | |
| 27 | 1SV18CV009 | Guru H M | 15 | 9.50 | 9.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 34 | 6.8 | 6.8 | 6.8 | 6.8 | 54.09 | 63.10 | 63.10 | 82.07 | | | | | |
| 28 | 1SV18CV010 | Hanshika M P | 14 | 8.50 | 8.5 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 30.91 | 48.62 | 48.62 | 72.76 | | | | | |
| 29 | 1SV18CV011 | Meghana B U | 5 | 5.50 | 5.5 | 12.5 | 12.5 | 2 | 2 | 2 | 2 | 2 | 18 | 3.6 | 3.6 | 3.6 | 3.6 | 40.00 | 52.07 | 52.07 | 71.03 | | | | | |
| 30 | 1SV18CV012 | Osakaravany C M | 12 | 8.50 | 8.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 45.91 | 43.79 | 43.79 | 67.93 | | | | | |
| 31 | 1SV18CV013 | Raksh H M | 9 | 6.00 | 6 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 39 | 7.8 | 7.8 | 7.8 | 7.8 | 22.27 | 33.79 | 33.79 | 85.52 | | | | | |
| 32 | 1SV18CV014 | Ravikumar G B | 0 | 8.00 | 8 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 20.00 | 61.36 | 61.36 | 66.55 | | | | | |
| 33 | 1SV18CV015 | Rachhshree K | 1 | 10.00 | 10 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 43.18 | 63.79 | 63.79 | 81.76 | | | | | |
| 34 | 1SV18CV016 | S A Sri Prakash | 8 | 7.00 | 7 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 35.91 | 51.03 | 51.03 | 66.55 | | | | | |
| 35 | 1SV18CV017 | Shreya I S | 10 | 9.50 | 9.5 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 43.18 | 63.79 | 63.79 | 81.76 | | | | | |
| 36 | 1SV18CV018 | Shravan Kumar G | 0 | 0.00 | 0 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 20.45 | 31.03 | 31.03 | 82.76 | | | | | |
| 37 | 1SV18CV019 | Vishal B G | 2 | 6.50 | 6.5 | 7.5 | 7.5 | 2 | 2 | 2 | 2 | 2 | 28 | 5.6 | 5.6 | 5.6 | 5.6 | 21.82 | 48.62 | 48.62 | 52.07 | | | | | |
| 38 | 1SV18CV020 | Vishu C K | 9 | 9.50 | 9.5 | 11.5 | 11.5 | 2 | 2 | 2 | 2 | 2 | 25 | 5 | 5 | 5 | 5 | 36.36 | 56.90 | 56.90 | 63.79 | | | | | |
| | | | | | | | | | | | | | | | | | | 61.68 | 69.74 | 69.74 | 76.37 | | | | | |

Blanya C.H.

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

Prakash Kumar
PRINCIPAL
 SIET, TUMAKURU

| | | | |
|----------------------|--|-----------------|----------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Dr. C Nagaraja |
| Subject | :Design of RCC and Steel Structures | Semester | : 7 |
| Code | : 18CV72 | | |

Course Outcomes

- 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 | | | | | | | | | | | | |
|-----------------|-----|---|---|---|---|---|---|---|---|----|----|-----|
| CO | POs | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| CO1 | 2 | 3 | 3 | 3 | | | | | | | | 1 |
| CO2 | 2 | 3 | 3 | 3 | | | | | | | | 1 |
| Average | 2 | 3 | 3 | 3 | | | | | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 2.4 |

| CO PO ATTAINMENT | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|---|---|---|---|---|----|------|
| CO | CO% | POs | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| CO1 | 58.89 | 1.18 | 1.18 | 1.17 | 1.17 | | | | | | | 0.59 |
| CO2 | 58.89 | 1.18 | 1.18 | 1.17 | 1.17 | | | | | | | 0.59 |
| Average | 58.89 | 1.18 | 1.18 | 1.17 | 1.17 | | | | | | | 0.59 |
| OVERALL ATTAINMENT | | | | | | | | | | | | 1.18 |

C. Nagaraja
Course Instructor

ep. hesh. pur
HOD

N. Srinivas
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

| Subject: DESIGN OF RCC AND STEEL STRUCTURES | | Subject Code: 18CV72 | C Nagaraja | | | 2021-22 | | | | |
|---|------------|--------------------------|-------------|-------------|-------------|------------------|----------------|----------------|---------------------|---------------------------------|
| SL.NO | USN | STUDENT NAME | IA 1 | IA 2 | IA 3 | ASSIGNMENT MARKS | | | SEE | TOTAL COS |
| | | | CO1+ CO2 | CO1+ CO2 | CO1+ CO2 | A 1 (CO1+2) | A 2 (CO1+2) | A 3 (CO1+2) | (CO1+2) 60 MARKS | ATTAINMENT (CO1+2) 180 MARKS |
| 1 | 1SV17CV009 | Kiran Kumar M T | 4 | 26 | 26 | 10 | 10 | 10 | 36 | 67.92 |
| 2 | 1SV18CV003 | Apoorva A | 0 | 19 | 23 | 10 | 10 | 10 | 26 | 54.03 |
| 3 | 1SV18CV004 | B M Meghashree | 23 | 23 | 23 | 10 | 10 | 10 | 0 | 54.17 |
| 4 | 1SV18CV007 | Chandan Gowda P | 23 | 19 | 23 | 10 | 10 | 10 | 23 | 64.86 |
| 5 | 1SV18CV008 | Chandrahama Patel K A | 11 | 23 | 29 | 10 | 10 | 10 | 39 | 72.92 |
| 6 | 1SV18CV011 | Deepa R | 19 | 23 | 30 | 10 | 10 | 10 | 21 | 67.92 |
| 7 | 1SV18CV013 | Doddanagouda Policepatil | 26 | 26 | 26 | 10 | 10 | 10 | 30 | 77.08 |
| 8 | 1SV18CV014 | Habib Ulla Khan | 19 | 23 | 23 | 10 | 10 | 10 | 0 | 52.08 |
| 9 | 1SV18CV015 | Hanamesh | 8 | 23 | 23 | 10 | 10 | 10 | 5 | 48.61 |
| 10 | 1SV18CV017 | Hruthvik P | 19 | 26 | 23 | 10 | 10 | 10 | 0 | 54.17 |
| 11 | 1SV18CV018 | Jayashree P | 0 | 23 | 26 | 10 | 10 | 10 | 3 | 45.42 |
| 12 | 1SV18CV019 | Karthik G | 0 | 25 | 11 | 10 | 10 | 10 | 27 | 51.67 |
| 13 | 1SV18CV026 | Pavan Nag M A | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 16.67 |
| 14 | 1SV18CV027 | Pooja M | 19 | 29 | 26 | 10 | 10 | 10 | 30 | 74.58 |
| 15 | 1SV18CV028 | Priyanka M D | 15 | 23 | 15 | 10 | 10 | 10 | 0 | 45.83 |
| 16 | 1SV18CV029 | Roohan Mahato Singh | 0 | 19 | 19 | 10 | 10 | 10 | 29 | 53.61 |
| 17 | 1SV18CV030 | Sandeep Kumar C | 0 | 15 | 15 | 10 | 10 | 10 | 0 | 33.33 |
| 18 | 1SV18CV036 | Vishwanath H P | 23 | 0 | 23 | 10 | 10 | 10 | 11 | 47.78 |
| 19 | 1SV19CV400 | Aasima Sultana | 29 | 30 | 30 | 10 | 10 | 10 | 29 | 81.94 |
| 20 | 1SV19CV402 | Bhavana G | 26 | 26 | 26 | 10 | 10 | 10 | 25 | 74.31 |
| 21 | 1SV19CV403 | Chandan A S | 29 | 30 | 29 | 10 | 10 | 10 | 51 | 93.33 |
| 22 | 1SV19CV404 | Chinthana B S | 15 | 11 | 19 | 10 | 10 | 10 | 39 | 63.33 |
| 23 | 1SV19CV405 | Darshan R | 11 | 29 | 26 | 10 | 10 | 10 | 30 | 70.00 |
| 24 | 1SV19CV406 | Deepika V Jain | 15 | 23 | 15 | 10 | 10 | 10 | 21 | 57.50 |
| 25 | 1SV19CV407 | Dhanushree M N | 23 | 26 | 26 | 10 | 10 | 10 | 36 | 78.33 |
| 26 | 1SV19CV408 | Gayithri S N | 15 | 23 | 23 | 10 | 10 | 10 | 36 | 70.00 |
| 27 | 1SV19CV409 | Guru H M | 23 | 15 | 26 | 10 | 10 | 10 | 21 | 63.75 |
| 28 | 1SV19CV410 | Harshitha M P | 8 | 23 | 23 | 10 | 10 | 10 | 27 | 60.83 |
| 29 | 1SV19CV411 | Meghana B U | 26 | 19 | 25 | 10 | 10 | 10 | 30 | 72.08 |
| 30 | 1SV19CV412 | Orkaraswamy C M | 0 | 23 | 15 | 10 | 10 | 10 | 21 | 49.17 |
| 31 | 1SV19CV413 | Rakesh H M | 8 | 15 | 4 | 10 | 10 | 10 | 0 | 31.25 |
| 32 | 1SV19CV414 | Ravikumar G R | 2 | 15 | 15 | 10 | 10 | 10 | 21 | 45.83 |
| 33 | 1SV19CV415 | Ruchihashri K | 0 | 23 | 23 | 10 | 10 | 10 | 9 | 46.67 |
| 34 | 1SV19CV416 | S A Sai Prakash | 19 | 26 | 15 | 10 | 10 | 10 | 56 | 81.11 |
| 35 | 1SV19CV417 | Shimsha I S | 29 | 23 | 15 | 10 | 10 | 10 | 24 | 66.67 |
| 36 | 1SV19CV418 | Shivakumar G | 30 | 29 | 29 | 10 | 10 | 10 | 29 | 81.11 |
| 37 | 1SV19CV419 | Veda B G | 0 | 15 | 15 | 10 | 10 | 10 | 3 | 35.00 |
| 38 | 1SV19CV420 | Vinay C K | 0 | 15 | 15 | 10 | 10 | 10 | 35 | 52.78 |
| | | | | | | | | | | 58.89 |

Ans

HOD
Dept. of Civil Engineering
SIET, TUMKUR -

PRINCIPAL
SIET, TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|---------------------------------------|-----------------|-----------------|
| Academic Year | :2021-22 (ODD SEM) | Faculty | Ms. Niranjani B |
| Subject | :Ground Water & Hydraulics | Semester | : 7 |
| Code | :18CV734 | | |

| 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 MAPPING | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 2 | | | | 1 | 1 | 1 | | 2 | | 1 |
| CO2 | 2 | 2 | | | | 1 | 1 | 1 | | 2 | | 1 |
| CO3 | 2 | 2 | | | | 1 | 2 | 1 | | 2 | | 1 |
| CO4 | 2 | 2 | | | | 1 | 2 | 1 | | 2 | | 1 |
| AVG | 2 | 2 | | | | 1 | 2 | 1 | | 2 | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 0.92 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|-------|------|------|-----|-----|-----|------|------|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 59.11 | 1.18 | 0.59 | | | | 1.18 | 1.18 | 1.18 | | 0.59 | | 0.59 |
| CO2 | 1.3 | 1.21 | 0.6 | | | | 1.21 | 1.21 | 1.21 | | 0.6 | | 0.6 |
| CO3 | 70.67 | 1.41 | 0.71 | | | | 1.41 | 1.41 | 1.41 | | 0.71 | | 0.71 |
| CO4 | 70.11 | 1.4 | 0.7 | | | | 1.4 | 1.4 | 1.4 | | 0.7 | | 0.7 |
| AVG | 65.06 | 1.3 | 0.65 | | | | 1.3 | 1.3 | 1.3 | | 0.65 | | 0.65 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.02 |

Niranjani B
Course Instructor

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

Niranjani B
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY

| Sl. No. | USN NO | IA1 | | | IA2 | | | IA3 | | | ASSIGNMENT | | | | | CIE MARKS | | | | SIE MARKS | | | | GO MARKS | COS PERCENTAGE | | | |
|---------|------------|-------|-------|------|------|-------|-------|-------|-------|------|------------|------|------|-------|-------|-----------|-------|-------|-------|-----------|-------|-------|-------|----------|----------------|----------|----------|----------|
| | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | SIE | 27 | CO1=47.5 | CO2=52.5 | CO3=47.5 | CO4=52.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1SV18CV009 | 17 | 17 | 8 | 0 | 8 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 10.5 | 16.5 | 15.5 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 55.26 | 53.08 | 48.95 | 68.60 | |
| 2 | 1SV18CV003 | 28 | 28 | 10 | 4 | 14 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30.5 | 12.5 | 21.5 | 17.5 | 8.75 | 9.75 | 8.75 | 9.75 | 39 | 84.74 | 68.46 | 65.79 | 83.83 | |
| 3 | 1SV18CV004 | 23 | 23 | 8 | 0 | 8 | 13 | 14 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 10.5 | 15.5 | 18.5 | 11.5 | 11.5 | 11.5 | 11.5 | 46 | 77.80 | 67.69 | 56.04 | 86.13 | |
| 4 | 1SV18CV007 | 23 | 23 | 10 | 7 | 17 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 12.5 | 19.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 70.55 | 63.08 | 57.89 | 72.31 | |
| 5 | 1SV18CV008 | 21 | 21 | 10 | 10 | 20 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23.5 | 12.5 | 22.5 | 15.5 | 6.75 | 6.75 | 6.75 | 6.75 | 27 | 68.68 | 59.23 | 61.58 | 88.46 | |
| 6 | 1SV18CV011 | 23 | 23 | 10 | 10 | 20 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 12.5 | 26.5 | 17.5 | 8.75 | 8.75 | 8.75 | 8.75 | 35 | 72.11 | 65.38 | 74.21 | 80.77 | |
| 7 | 1SV18CV013 | 28 | 28 | 14 | 13 | 27 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30.5 | 16.5 | 30.5 | 17.5 | 11 | 11 | 11 | 11 | 44 | 87.87 | 84.62 | 87.57 | 87.89 | |
| 8 | 1SV18CV014 | 14 | 14 | 11 | 10 | 21 | 10 | 11 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 16.5 | 18.5 | 22.5 | 13.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 50.53 | 64.62 | 63.16 | 64.62 | |
| 9 | 1SV18CV015 | 17 | 17 | 14 | 11 | 25 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 16.5 | 23.5 | 15.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 60.55 | 79.23 | 68.93 | 76.15 | |
| 10 | 1SV18CV017 | 23 | 23 | 13 | 13 | 26 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 15.5 | 29.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 70.55 | 72.31 | 78.95 | 72.31 | |
| 11 | 1SV18CV018 | 23 | 23 | 15 | 14 | 29 | 12 | 14 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 17.5 | 28.5 | 16.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 69.47 | 76.92 | 75.79 | 73.85 | |
| 12 | 1SV18CV019 | 0 | 0 | 11 | 12 | 23 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 13.5 | 24.5 | 15.5 | 8 | 9 | 9 | 9 | 36 | 24.21 | 69.23 | 70.53 | 75.38 | |
| 13 | 1SV18CV026 | 20 | 20 | 4 | 10 | 14 | 4 | 10 | 14 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 6.5 | 16.5 | 12.5 | 9.75 | 9.75 | 9.75 | 9.75 | 39 | 67.89 | 58.00 | 55.26 | 68.46 | |
| 14 | 1SV18CV027 | 27 | 27 | 13 | 13 | 26 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 15.5 | 30.5 | 17.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 77.89 | 70.77 | 80.00 | 76.92 | |
| 15 | 1SV18CV028 | 15 | 15 | 5 | 9 | 14 | 0 | 8 | 8 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 7.5 | 11.5 | 10.5 | 7.25 | 7.25 | 7.25 | 7.25 | 29 | 52.11 | 45.38 | 59.67 | 54.62 | |
| 16 | 1SV18CV029 | 17 | 17 | 10 | 9 | 19 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 12.5 | 25.5 | 15.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 60.55 | 66.92 | 75.16 | 76.15 | |
| 17 | 1SV18CV030 | 23 | 23 | 10 | 10 | 20 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 12.5 | 27.5 | 17.5 | 10.5 | 10.5 | 10.5 | 10.5 | 42 | 75.79 | 70.77 | 80.00 | 86.15 | |
| 18 | 1SV18CV036 | 21 | 21 | 10 | 11 | 21 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23.5 | 12.5 | 27.5 | 17.5 | 10.25 | 10.3 | 10.25 | 10.25 | 41 | 71.05 | 70.00 | 79.47 | 85.38 | |
| 19 | 1SV18CV040 | 22 | 22 | 10 | 10 | 20 | 4 | 7 | 11 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 12.5 | 16.5 | 9.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 63.68 | 56.15 | 46.94 | 46.92 | |
| 20 | 1SV18CV042 | 26 | 26 | 14 | 13 | 27 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 16.5 | 30.5 | 17.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 75.79 | 73.85 | 80.00 | 76.92 | |
| 21 | 1SV18CV043 | 17 | 17 | 12 | 10 | 22 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 14.5 | 23.5 | 12.5 | 9 | 9 | 9 | 9 | 36 | 60.00 | 72.31 | 66.52 | 66.15 | |
| 22 | 1SV18CV044 | 26 | 26 | 10 | 11 | 21 | 10 | 11 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 12.5 | 23.5 | 13.5 | 11.25 | 11.3 | 11.25 | 11.25 | 45 | 83.68 | 73.08 | 73.16 | 76.15 | |
| 23 | 1SV18CV045 | 20 | 20 | 10 | 10 | 20 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 12.5 | 28.5 | 17.5 | 9 | 9 | 9 | 9 | 36 | 66.52 | 66.15 | 74.74 | 81.54 | |
| 24 | 1SV18CV046 | 21 | 21 | 10 | 7 | 17 | 10 | 9 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 23.5 | 12.5 | 18.5 | 7.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 65.79 | 62.32 | 57.37 | 49.92 | |
| 25 | 1SV18CV047 | 23 | 23 | 10 | 10 | 20 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 12.5 | 26.5 | 15.5 | 8 | 8 | 8 | 8 | 32 | 72.63 | 66.15 | 74.74 | 75.38 | |
| 26 | 1SV18CV048 | 29 | 29 | 10 | 13 | 23 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 31.5 | 12.5 | 29.5 | 17.5 | 10.5 | 10.5 | 10.5 | 10.5 | 42 | 88.42 | 70.77 | 84.21 | 86.15 | |
| 27 | 1SV18CV049 | 23 | 23 | 14 | 15 | 29 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 16.5 | 32.5 | 17.5 | 10.75 | 10.8 | 10.75 | 10.75 | 43 | 76.32 | 83.85 | 91.05 | 86.92 | |
| 28 | 1SV18CV040 | 26 | 26 | 13 | 14 | 27 | 15 | 15 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 15.5 | 31.5 | 17.5 | 8 | 9 | 9 | 9 | 36 | 78.95 | 75.38 | 85.26 | 81.54 | |
| 29 | 1SV18CV041 | 22 | 22 | 6 | 10 | 16 | 14 | 19 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 8.5 | 26.5 | 12.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 67.57 | 49.23 | 71.58 | 83.54 | |
| 30 | 1SV18CV041 | 22 | 22 | 6 | 10 | 16 | 14 | 19 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 8.5 | 26.5 | 12.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 64.21 | 66.15 | 76.84 | 75.38 | |
| 31 | 1SV18CV041 | 19 | 19 | 10 | 15 | 25 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 14.5 | 22.5 | 13.5 | 11.75 | 11.8 | 11.75 | 11.75 | 47 | 76.32 | 80.77 | 72.11 | 74.62 | |
| 32 | 1SV18CV044 | 14 | 14 | 5 | 0 | 5 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 16.5 | 7.5 | 12.5 | 12.5 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 58.42 | 57.09 | 66.84 | 70.00 | |
| 33 | 1SV18CV043 | 20 | 20 | 11 | 10 | 21 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 13.5 | 26.5 | 17.5 | 5.25 | 5.25 | 5.25 | 5.25 | 25 | 58.32 | 48.66 | 41.58 | 57.68 | |
| 34 | 1SV18CV046 | 18 | 18 | 7 | 0 | 7 | 11 | 10 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 20.5 | 9.5 | 13.5 | 12.5 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 65.79 | 56.15 | 72.11 | 65.38 | |
| 35 | 1SV18CV047 | 23 | 23 | 10 | 13 | 23 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 12.5 | 28.5 | 15.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 65.79 | 62.32 | 28.42 | 63.08 | |
| 36 | 1SV18CV048 | 17 | 17 | 0 | 0 | 0 | 3 | 10 | 13 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 2.5 | 5.5 | 12.5 | 8 | 8 | 8 | 8 | 32 | 57.89 | 52.31 | 28.42 | 60.77 | |
| 37 | 1SV18CV049 | 19 | 19 | 4 | 10 | 14 | 7 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21.5 | 6.5 | 19.5 | 12.5 | 10.5 | 10.5 | 10.5 | 10.5 | 42 | 67.87 | 52.31 | 68.16 | 70.77 | |
| 38 | 1SV18CV042 | 17 | 17 | 10 | 11 | 21 | 10 | 8 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 12.5 | 23.5 | 10.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 57.37 | 62.31 | 65.79 | 56.15 | |
| | | 20.71 | 20.71 | 9.84 | 9.42 | 19.26 | 11.37 | 12.32 | 23.68 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 23.21 | 12.34 | 23.29 | 14.82 | 8.57 | 8.57 | 8.57 | 8.57 | 34.29 | 66.91 | 64.95 | 67.08 | 71.96 | |

Course Instructor

lli

HOD

Spaheshwara
HOD

Dept. of Civil Engineering
SIET, TUMKUR - 6.

Principal

Principa

PRINCIPAL
SIET, TUMAKURU

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------|-------------------------------|---------------------|----------------|
| SUBJECT | EARTHQUAKE ENGINEERING | SUBJECT CODE | 18CV741 |
|----------------|-------------------------------|---------------------|----------------|

COURSE OUTCOME


- CO1.** Fundamentals of engineering seismology
- CO2.** Irregularities in building which are detrimental to its earthquake performance
- CO3.** Different methods of computation seismic lateral forces for framed and masonry structures
- CO4.** Earthquake resistant design requirements for RCC and Masonry structures
- CO5.** Relevant clauses of IS codes of practice pertinent to earthquake resistant design of structures

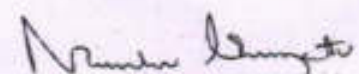
| | | | | | | | | | | | | |
|----------------------------|--|----------|-----|---------------|-----|--------------|-----|---------|---------|------|------|------|
| COLLEGE | SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY | | | | | | | | | | | |
| FACULTY NAME | Mr. MANOGNA H N | | | | | | | | | | | |
| BRANCH | CV | | | ACADEMIC YEAR | | | | 2021-22 | | | | |
| COURSE | B.E | SEMESTER | | | VII | | | | | | | |
| SUBJECT | EARTHQUAKE ENGINEERING | | | | | SUBJECT CODE | | | 18CV741 | | | |
| CO & PO MAPPING | | | | | | | | | | | | |
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| CO2 | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| CO3 | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| CO4 | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| CO5 | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| AVERAGE | 3 | 3 | | | | | 2 | 3 | | | | 3 |
| OVERALL MAPPING OF SUBJECT | | | | | | | | | | | | 2.8 |

CO AND PO ATTAINMENT

| | | | | | | | | | | | | | |
|------------------------|-------|------|------|-----|-----|-----|-----|------|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 37.88 | 1.14 | 1.14 | | | | | 0.76 | 1.14 | | | | 1.14 |
| CO2 | 52.94 | 1.59 | 1.59 | | | | | 1.06 | 1.59 | | | | 1.59 |
| CO3 | 52.94 | 1.59 | 1.59 | | | | | 1.06 | 1.59 | | | | 1.59 |
| CO4 | 72.99 | 2.19 | 2.19 | | | | | 1.46 | 2.19 | | | | 2.19 |
| CO5 | 72.99 | 2.19 | 2.19 | | | | | 1.46 | 2.19 | | | | 2.19 |
| AVERAGE | 57.95 | 1.74 | 1.74 | | | | | 1.16 | 1.74 | | | | 1.74 |
| FINAL ATTAINMENT LEVEL | | | | | | | | | | | | | 1.62 |


 Course Instructor


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


 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY
 TUMKUR - 572106.

| Sl. No | USN | STUDENT NAME | IA 1 | | | | | Avg | IA MARKS ATTAINMENT | | | | | SEM MARKS | SEM MARKS ATTAINMENT | | | | | FINAL ATTAINMENT | | | |
|--------|------------|------------------------|------|-------|------|------|------|-----|---------------------|-----|-----|-----|-----|-----------|----------------------|-----|-----|-----|-----|------------------|-------|-------|-------|
| | | | CO1 | | | | | | CO1 | CO2 | CO3 | CO4 | CO5 | | CO1 | CO2 | CO3 | CO4 | CO5 | CO1 | CO2 | CO3 | CO4 |
| | | | CO1 | CO2 | CO3 | CO4 | CO5 | | CO1 | CO2 | CO3 | CO4 | CO5 | | CO1 | CO2 | CO3 | CO4 | CO5 | CO1 | CO2 | CO3 | CO4 |
| 1 | ISV11CV008 | Kiran Kumar M T | 5 | 6.00 | 6 | 11.5 | 11.5 | 13 | 2 | 2 | 2 | 2 | 2 | 20 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 27.73 | 45.52 | 45.52 | 44.48 |
| 2 | ISV18CV003 | Aparna A | 10 | 9.00 | 4 | 13 | 13 | 15 | 2 | 2 | 2 | 2 | 2 | 30 | 6 | 6 | 6 | 6 | 6 | 40.31 | 41.38 | 41.38 | 72.41 |
| 3 | ISV18CV004 | B M Megharaj | 3 | 4.00 | 4.5 | 13.5 | 13.5 | 13 | 2 | 2 | 2 | 2 | 2 | 34 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 26.82 | 45.86 | 45.86 | 76.90 |
| 4 | ISV18CV007 | Chandni Gowda P | 11 | 8.00 | 8 | 13 | 13 | 18 | 2 | 2 | 2 | 2 | 2 | 24 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 40.45 | 51.25 | 51.25 | 68.28 |
| 5 | ISV18CV008 | Chandrababu Paul E A | 11 | 4.00 | 0 | 12 | 12 | 16 | 2 | 2 | 2 | 2 | 2 | 28 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 42.27 | 46.90 | 46.90 | 47.59 |
| 6 | ISV18CV011 | Deepa R | 11 | 5.50 | 5.5 | 15 | 15 | 13 | 2 | 2 | 2 | 2 | 2 | 38 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 47.27 | 52.76 | 52.76 | 85.52 |
| 7 | ISV18CV013 | Doddanagouda Polosapal | 15 | 10.50 | 10.5 | 15 | 15 | 22 | 2 | 2 | 2 | 2 | 2 | 36 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 55.00 | 67.83 | 67.83 | 83.45 |
| 8 | ISV18CV014 | Habib Ulla Khan | 13 | 9.00 | 9 | 13.5 | 13.5 | 19 | 2 | 2 | 2 | 2 | 2 | 26 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 41.36 | 35.86 | 35.86 | 71.38 |
| 9 | ISV18CV015 | Hananah | 9 | 9.00 | 9 | 15 | 15 | 19 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 7 | 40.81 | 62.07 | 62.07 | 82.76 |
| 10 | ISV18CV017 | Hrudvik P | 14 | 9.50 | 9.5 | 15 | 15 | 21 | 2 | 2 | 2 | 2 | 2 | 42 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 55.45 | 66.62 | 66.62 | 87.59 |
| 11 | ISV18CV018 | Jayashree P | 17 | 10.00 | 10 | 15 | 15 | 23 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 58.18 | 64.34 | 64.34 | 81.38 |
| 12 | ISV18CV019 | Kartik G | 11 | 4.00 | 6 | 9.5 | 9.5 | 14 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 39.55 | 42.76 | 42.76 | 54.83 |
| 13 | ISV18CV026 | Pavna Nag M A | 8 | 8.50 | 8.5 | 11.5 | 11.5 | 16 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 32.73 | 51.38 | 51.38 | 61.72 |
| 14 | ISV18CV027 | Pooja M | 4 | 5.50 | 5.5 | 11.5 | 11.5 | 13 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 36.82 | 45.86 | 45.86 | 66.55 |
| 15 | ISV18CV029 | Priyanka M D | 5 | 7.50 | 7.5 | 13 | 13 | 13 | 2 | 2 | 2 | 2 | 2 | 16 | 7 | 7 | 7 | 7 | 7 | 31.82 | 36.90 | 36.90 | 75.86 |
| 16 | ISV18CV029 | Roshni Mahata Singh | 4 | 7.00 | 7 | 15 | 15 | 19 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 28.18 | 46.21 | 46.21 | 73.79 |
| 17 | ISV18CV030 | Sandhya Kumar C | 11 | 7.00 | 7 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 44.00 | 53.20 | 53.20 | 80.69 |
| 18 | ISV18CV036 | Vishwanath H P | 14 | 11.50 | 11.5 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 51.36 | 60.31 | 60.31 | 81.38 |
| 19 | ISV18CV400 | Aastha Sathya | 8 | 9.00 | 9 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 37.27 | 60.00 | 60.00 | 80.69 |
| 20 | ISV18CV402 | Bhavani G | 14 | 10.00 | 10 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 50.45 | 62.76 | 62.76 | 80.00 |
| 21 | ISV18CV403 | Charitha A S | 5 | 9.00 | 9 | 13 | 13 | 13 | 2 | 2 | 2 | 2 | 2 | 22 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 25.91 | 53.38 | 53.38 | 66.90 |
| 22 | ISV18CV404 | Charitha H S | 0 | 7.00 | 7 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 42 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 21.64 | 60.00 | 60.00 | 75.52 |
| 23 | ISV18CV405 | Darshan S | 12 | 4.00 | 6 | 7.5 | 7.5 | 13 | 2 | 2 | 2 | 2 | 2 | 21 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 41.36 | 42.07 | 42.07 | 47.24 |
| 24 | ISV18CV406 | Deepika V Jan | 6 | 5.00 | 5 | 13 | 13 | 13 | 2 | 2 | 2 | 2 | 2 | 28 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 30.91 | 43.45 | 43.45 | 71.03 |
| 25 | ISV18CV407 | Dhanashree M N | 10 | 8.00 | 8 | 11.5 | 11.5 | 13 | 2 | 2 | 2 | 2 | 2 | 32 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 41.82 | 50.55 | 50.55 | 68.62 |
| 26 | ISV18CV408 | Gayatri S N | 8 | 4.00 | 6 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 33 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 42.37 | 48.97 | 48.97 | 80.00 |
| 27 | ISV18CV409 | Guru H M | 13 | 7.50 | 9.5 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 34 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 54.00 | 63.30 | 63.30 | 81.07 |
| 28 | ISV18CV410 | Harektha M P | 14 | 8.50 | 8.5 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 39 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 54.00 | 63.30 | 63.30 | 75.45 |
| 29 | ISV18CV411 | Meghana B U | 5 | 5.50 | 5.5 | 13.5 | 13.5 | 15 | 2 | 2 | 2 | 2 | 2 | 33 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 30.91 | 48.42 | 48.42 | 72.76 |
| 30 | ISV18CV412 | Shikharaswamy C M | 12 | 9.50 | 9.5 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 38 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 48.00 | 52.07 | 52.07 | 71.83 |
| 31 | ISV18CV413 | Raksh H M | 12 | 4.50 | 4.5 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 31 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 45.01 | 43.79 | 43.79 | 67.93 |
| 32 | ISV18CV414 | Ravikumar G B | 1 | 0.00 | 0 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 39 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 22.27 | 33.79 | 33.79 | 85.52 |
| 33 | ISV18CV415 | Ruchithashri K | 3 | 10.00 | 10 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 20.00 | 61.38 | 61.38 | 66.55 |
| 34 | ISV18CV416 | S A Sri Prakash | 8 | 7.00 | 7 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 29 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 35.01 | 51.03 | 51.03 | 66.55 |
| 35 | ISV18CV417 | Shamika I S | 10 | 9.50 | 9.5 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 7 | 41.18 | 63.79 | 63.79 | 83.76 |
| 36 | ISV18CV418 | Shravakar G | 8 | 0.00 | 0 | 15 | 15 | 15 | 2 | 2 | 2 | 2 | 2 | 35 | 7 | 7 | 7 | 7 | 7 | 30.45 | 31.03 | 31.03 | 62.76 |
| 37 | ISV18CV419 | Veda B D | 2 | 6.50 | 6.5 | 7.5 | 7.5 | 15 | 2 | 2 | 2 | 2 | 2 | 28 | 5.8 | 5.6 | 5.6 | 5.6 | 5.6 | 21.82 | 48.62 | 48.62 | 50.07 |
| 38 | ISV18CV420 | Vinay C K | 9 | 9.50 | 9.5 | 11.5 | 11.5 | 15 | 2 | 2 | 2 | 2 | 2 | 25 | 5 | 5 | 5 | 5 | 5 | 36.36 | 58.90 | 58.90 | 63.79 |

Handwritten signature
Course Instructor

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

Handwritten signature
PRINCIPAL
SIET, TUMAKURU

| | | | | |
|---|-------|-------|-------|-------|
| | 17.08 | 52.94 | 52.94 | 72.99 |
| | 0.38 | 0.53 | 0.53 | 0.73 |
| 1 | 0.38 | 0.53 | 0.53 | 0.73 |
| 2 | 0.76 | 1.06 | 1.06 | 1.46 |
| 3 | 1.14 | 1.58 | 1.58 | 2.18 |

Principal

Academic Year :2021-22(Even Sem)

Faculty

Dr. C Nagaraja / Prof.
H N Maonogna

Subject :ELEMENTS OF CIVIL
ENGINEERING AND MECHANICS

Semester

: 2 (C&D)

Code : 21CIV14

**Course
Outcomes**

- CO1 Understand the various fields of Civil Engineering
- CO2 Compute the resultant of a force system and resolution of a force
- CO3 Comprehend the action for forces, moments and other types of loads on rigid bodies and compute the reactive forces
- CO4 Locate the centroid and compute the moment of inertia of regular and built-up sections
- CO5 Analyze the bodies in motion

CO PO MAPPING

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 1 | 1 | | | | 3 | 2 | | | | | 1 |
| CO2 | 2 | 3 | 2 | | | | | | | | | 1 |
| CO3 | 2 | 3 | 2 | | | | | | | | | 1 |
| CO4 | 2 | 2 | 3 | | | | | | | | | 1 |
| CO5 | 2 | 2 | 2 | 3 | | | | | | | | 1 |
| avg | 1.8 | 2.2 | 2.25 | 3 | | 3 | 2 | | | | | 2.17 |
| OVER ALL MAPPING | | | | | | | | | | | | |

CO PO ATTAINMENT

| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---------------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|
| CO1 | 66.37 | 0.66 | 0.66 | 0.00 | 0.00 | 0.00 | 1.99 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 |
| CO2 | 57.15 | 1.014 | 1.71 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 |
| CO3 | 31.91 | 0.64 | 0.96 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| CO4 | 57.07 | 1.14 | 1.14 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 |
| CO5 | 58.68 | 1.17 | 1.17 | 1.17 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 |
| | 54.24 | 0.98 | 1.19 | 1.22 | 1.63 | 0.00 | 1.63 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.564 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.17 |

C. Nagaraja
Course Instructor

ep. ch. sh. f. m.
HOD

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

Manjunath
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|------------------------|---|-----------------|-------------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Mrs. Radhika T N |
| Subject | :Design of Steel Structural Elements | Semester | : 4 |
| Code | :18CV42 | | |
| COURSE OUTCOMES | | | |
| CO1 | Describe the basic concepts of Structural Analysis and types of structures. | | |
| CO2 | Construct influence line diagram for various moving loads on determinate beams and trusses. | | |
| CO3 | Determine the deflection of determinate beams by moment area method and conjugate beam method. | | |
| CO4 | Apply energy principals to determine the deflection of determinate beams, bent frame and trusses. | | |

| CO PO MAPPING | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 3 | | | | | | | | | | |
| CO2 | 3 | 3 | | | | | | | | | | |
| CO3 | 3 | 3 | | | | | | | | | | |
| CO4 | 3 | 3 | | | | | | | | | | |
| AVG | 3 | 3 | | | | | | | | | | |
| OVERALL MAPPING | | | | | | | | | | | | 3 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|-------------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 44.23 | 1.33 | 1.33 | | | | | | | | | | |
| CO2 | 48.07 | 1.44 | 1.44 | | | | | | | | | | |
| CO3 | 47.35 | 1.42 | 1.42 | | | | | | | | | | |
| CO4 | 61.69 | 1.85 | 1.85 | | | | | | | | | | |
| AVG | 50.34 | 1.51 | 1.51 | | | | | | | | | | |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.51 |

Radhika T.N
Course Instructor

epaheshkumar
HODD
Dept. of Civil Engineering
SLET, TUMKUR

Nandini Shetty
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY

| Academic year | 2021-22 | | SEM | IV | | Total size | 13 | | Subject | | | | | | | 18CV42 | | | | | | | | | |
|---------------|---------------|-------|----------------|--------|----------------|------------|-------------------------|-------|---------------|-------|-------|--------|--------|--------|--------|----------------------|--------|--------|--------|------|--------------------|----------|----------|----------|----------|
| SEM/REG. CAR | IA TEST (20M) | | IA TEST 2(20M) | | IA TEST 3(20M) | | ASSIGNMENT / QUIZ(10 M) | | SEE MARKS(60) | | | | | | | Total Coe ATTAINMENT | | | | | % of individual CO | | | SEE TH | |
| URN | CO1-20 | TOTAL | CO2-15 | CO3-15 | TOTAL | CO4-30 | TOTAL | CO1-3 | CO2-2 | CO3-2 | CO4-3 | CO1-15 | CO2-15 | CO3-15 | CO4-15 | CO1-48 | CO2-32 | CO3-32 | CO4-48 | CO1 | CO2 | CO3 | CO4 | 60M | |
| 15V20CV001 | 21 | 21 | 15 | 15 | 30 | 30 | 30 | 3 | 2 | 2 | 3 | 6 | 6 | 6 | 6 | 30 | 23 | 23 | 39 | 62.5 | 71.9 | 71.9 | 81.3 | 18 | |
| 15V20CV002 | 0 | 0 | 4 | 4 | 8 | 25 | 25 | 3 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 4 | 6 | 6 | 28 | 8.3 | 18.8 | 18.8 | 58.3 | 1 | |
| 15V20CV003 | 20 | 20 | 5 | 5 | 30 | 5 | 5 | 3 | 2 | 2 | 3 | 6 | 6 | 6 | 5 | 29 | 13 | 13 | 13 | 60.4 | 40.6 | 40.6 | 27.1 | 18 | |
| 15V20CV005 | 23 | 23 | 10 | 10 | 20 | 27 | 27 | 3 | 2 | 2 | 3 | 6 | 7 | 6 | 6 | 32 | 19 | 18 | 36 | 66.7 | 59.4 | 56.3 | 75.0 | 19 | |
| 15V20CV006 | 10 | 10 | 10 | 10 | 20 | 15 | 15 | 3 | 2 | 2 | 3 | 4 | 5 | 4 | 5 | 17 | 17 | 16 | 23 | 35.4 | 53.1 | 50.0 | 47.9 | 13 | |
| 15V20CV007 | 11 | 11 | 6 | 6 | 12 | 12 | 12 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 17 | 11 | 11 | 19 | 35.4 | 34.4 | 34.4 | 39.6 | 9 | |
| 15V20CV008 | 29 | 29 | 14 | 15 | 29 | 30 | 30 | 3 | 2 | 2 | 3 | 7 | 8 | 7 | 8 | 39 | 24 | 24 | 41 | 81.3 | 75.0 | 75.0 | 85.4 | 22 | |
| 15V20CV009 | 22 | 22 | 11 | 11 | 22 | 22 | 22 | 3 | 2 | 2 | 3 | 6 | 6 | 6 | 7 | 31 | 19 | 19 | 32 | 64.6 | 59.4 | 59.4 | 66.7 | 18 | |
| 15V20CV010 | 20 | 20 | 7 | 7 | 14 | 29 | 29 | 3 | 2 | 2 | 3 | 5 | 5 | 5 | 6 | 28 | 14 | 14 | 38 | 58.3 | 43.8 | 43.8 | 79.2 | 15 | |
| 15V20CV011 | 1 | 1 | 7 | 8 | 15 | 13 | 13 | 3 | 2 | 2 | 3 | 1 | 1 | 0 | 0 | 5 | 10 | 10 | 16 | 10.4 | 31.3 | 31.3 | 53.3 | 2 | |
| 15V20CV014 | 0 | 0 | 2 | 3 | 5 | 28 | 28 | 3 | 2 | 2 | 3 | 1 | 2 | 1 | 2 | 4 | 6 | 6 | 33 | 8.3 | 18.8 | 18.8 | 68.8 | 4 | |
| 15V20CV015 | 13 | 13 | 7 | 7 | 14 | 24 | 24 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 20 | 13 | 12 | 30 | 41.7 | 40.6 | 37.5 | 62.5 | 11 | |
| 15V21CV400 | 8 | 8 | 14 | 14 | 28 | 25 | 25 | 3 | 2 | 2 | 3 | 9 | 9 | 9 | 9 | 20 | 25 | 25 | 37 | 41.7 | 78.1 | 78.1 | 77.1 | 27 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | 44.23077 | 48.07692 | 47.35577 | 61.69872 | 13.61548 |
| | | | | | | | | | | | | | | | | | | | | | | | | 22.69231 | |

Principal

Course Instructor

Prakash

HOD

Prakash Kumar

HOD

Dept. of Civil Engineering
SIET, TUMKUR - 6.

Prakash Kumar
PRINCIPAL
SIET, TUMKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|----------------------------|-----------------|------------------------|
| Academic Year | :2021-22 (Even Sem) | | Ms. Niranjani B |
| Subject | :Applied Hydraulics | Semester | : 4 |
| Code | :18CV43 | | |

| 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 | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| CO2 | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| CO3 | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| CO4 | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| CO5 | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| AVG | 2 | 3 | 2 | | | 1 | 1 | 1 | | 1 | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1 |

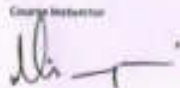
| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 0 | PO 1 | PO 2 |
| CO1 | 53.32 | 1.07 | 1.6 | 1.07 | | | 0.53 | 0.53 | 0.53 | | 0.53 | | 0.53 |
| CO2 | 48.54 | 0.98 | 1.46 | 0.98 | | | 0.49 | 0.49 | 0.49 | | 0.49 | | 0.49 |
| CO3 | 55.17 | 1.1 | 1.66 | 1.1 | | | 0.55 | 0.55 | 0.55 | | 0.55 | | 0.55 |
| CO4 | 59.68 | 1.19 | 1.79 | 1.19 | | | 0.6 | 0.6 | 0.6 | | 0.6 | | 0.6 |
| CO5 | 58.62 | 1.17 | 1.76 | 1.17 | | | 0.59 | 0.59 | 0.59 | | 0.59 | | 0.59 |
| AVG | 55.07 | 1.1 | 1.65 | 1.1 | | | 0.55 | 0.55 | 0.55 | | 0.55 | | 0.55 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.83 |

Niranjani B
 Course Instructor

Prakash Kumar
 HODD
 Dept. of Civil Engineering
 SIET TUMKUR

Niranjani B
 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

| Sl. No. | LSS NO | IA1 | | IA2 | | | IA3 | | | ASSIGNMENT | | | | | | 4th MARKS | CIE MARKS | | | | | SIE MARKS | | | | | 80 MARKS | COS PERCENTAGE | | | | |
|---------|------------|-------|-------|------|-------|-------|-------|-------|-------|------------|------|------|------|------|-------|-----------|-----------|-------|-------|-------|-------|-----------|------|------|------|------|----------|----------------|-------|--------|--------|--------|
| | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO4 | CO5 | TOTAL | CO1 | CO2 | CO3 | CO4 | CO5 | TOTAL | | CIE | CO1 | CO2 | CO3 | CO4 | CO5 | CO1 | CO2 | CO3 | CO4 | | CO5 | 80 | CO1-25 | CO2-25 | CO3-25 |
| 1 | 15V28CV981 | 26 | 26 | 11 | 11 | 26 | 14 | 14 | 28 | 1 | 1 | 1 | 1 | 1 | 10 | 27 | 28 | 15 | 15 | 16 | 16 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 21 | 73.38 | 66.21 | 66.21 | 69.66 | 69.66 |
| 2 | 15V28CV982 | 13 | 13 | 0 | 4 | 8 | 10 | 8 | 16 | 1 | 1 | 1 | 1 | 1 | 10 | 21 | 13 | 7 | 6 | 12 | 8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 8 | 27.73 | 32.43 | 26.23 | 46.90 | 51.50 |
| 3 | 15V28CV983 | 17 | 17 | 7 | 08 | 17 | 8 | 16 | 16 | 1 | 1 | 1 | 1 | 1 | 10 | 27 | 19 | 9 | 12 | 10 | 12 | 3 | 3 | 3 | 3 | 3 | 15 | 50.00 | 41.18 | 53.72 | 48.61 | 51.72 |
| 4 | 15V28CV985 | 13 | 23 | 11 | 08 | 22 | 14 | 13 | 27 | 1 | 1 | 1 | 1 | 1 | 10 | 34 | 23 | 14 | 12 | 10 | 13 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 27 | 69.09 | 64.90 | 65.90 | 73.79 | 70.34 |
| 5 | 15V28CV986 | 8 | 8 | 0 | 08 | 16 | 12 | 13 | 25 | 1 | 1 | 1 | 1 | 1 | 10 | 26 | 19 | 8 | 12 | 14 | 13 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 23 | 52.27 | 42.07 | 55.86 | 61.76 | 66.21 |
| 6 | 15V28CV987 | 12 | 12 | 2 | 08 | 12 | 10 | 7 | 17 | 1 | 1 | 1 | 1 | 1 | 10 | 24 | 14 | 4 | 12 | 12 | 9 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 18 | 40.00 | 26.21 | 53.79 | 51.79 | 41.41 |
| 7 | 15V28CV988 | 18 | 18 | 14 | 13 | 29 | 14 | 15 | 29 | 1 | 1 | 1 | 1 | 1 | 10 | 39 | 28 | 16 | 17 | 16 | 17 | 6 | 6 | 6 | 6 | 6 | 30 | 61.62 | 75.86 | 79.51 | 75.86 | 79.21 |
| 8 | 15V28CV989 | 16 | 16 | 13 | 13 | 26 | 14 | 14 | 28 | 1 | 1 | 1 | 1 | 1 | 10 | 38 | 32 | 17 | 17 | 16 | 16 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 39 | 90.45 | 85.52 | 85.52 | 87.87 | 82.07 |
| 9 | 15V28CV990 | 20 | 26 | 10 | 13 | 23 | 14 | 15 | 29 | 1 | 1 | 1 | 1 | 1 | 10 | 34 | 22 | 12 | 13 | 16 | 17 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 21 | 58.55 | 55.86 | 46.11 | 49.66 | 73.10 |
| 10 | 15V28CV991 | 11 | 13 | 0 | 4 | 4 | 10 | 3 | 13 | 1 | 1 | 1 | 1 | 1 | 10 | 21 | 17 | 7 | 6 | 12 | 5 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 6 | 41.36 | 11.05 | 24.85 | 45.52 | 21.18 |
| 11 | 15V28CV994 | 11 | 11 | 4 | 7 | 11 | 6 | 7 | 11 | 1 | 1 | 1 | 1 | 1 | 10 | 21 | 13 | 6 | 9 | 8 | 9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 9 | 34.68 | 26.90 | 17.24 | 33.79 | 17.24 |
| 12 | 15V28CV995 | 7 | 7 | 0 | 7 | 14 | 10 | 10 | 20 | 1 | 1 | 1 | 1 | 1 | 10 | 21 | 4 | 12 | 9 | 12 | 17 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 14 | 15.45 | 51.03 | 40.89 | 51.03 | 68.28 |
| 13 | 15V28CV999 | 24 | 24 | 14 | 14 | 28 | 11 | 11 | 22 | 1 | 1 | 1 | 1 | 1 | 10 | 36 | 26 | 16 | 16 | 15 | 15 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 21 | 58.55 | 69.66 | 69.66 | 66.21 | 66.21 |
| | | 17.62 | 17.62 | 8.23 | 10.15 | 18.38 | 11.46 | 11.15 | 22.60 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 10.00 | 29.36 | 19.62 | 10.23 | 12.15 | 13.46 | 13.15 | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | 19.23 | 51.11 | 48.34 | 50.17 | 59.89 | 54.82 |

George Mathew


HOD

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

Principal

M. Ramesh Kumar
 HO/DINICAL
 SIET, TUMKUR

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|-----------------------------|-----------------|----------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Dr. C Nagaraja |
| Subject | :Concrete Technology | Semester | : 4 |
| Code | :18CV44 | | |

| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Relate Material Characteristics and their influence on Microstructure of concrete |
| CO2 | Distinguish concrete behaviour based on its fresh and hardened 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 |

| 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 |
| AVG | 1.8 | 2 | 2.4 | 1.75 | | | | | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.79 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 0 | PO 1 | PO 2 |
| CO1 | 30.45 | 0.6 | 0.9 | 0.6 | 0.3 | | | | | | | | 0.3 |
| CO2 | 34.94 | 0.7 | 0.7 | 1.0 | 0.7 | | | | | | | | 0.3 |
| CO3 | 35.33 | 0.4 | 0.4 | 0.4 | 0.0 | | | | | | | | 0.4 |
| CO4 | 52.87 | 1.1 | 1.4 | 1.6 | 1.1 | | | | | | | | 0.5 |
| CO5 | 52.87 | 1.1 | 1.1 | 1.6 | 1.1 | | | | | | | | 1.5 |
| AVG | 41.29 | 0.76 | 0.82 | 1.04 | 0.62 | | | | | | | | 0.27 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.97 |

C. Nagaraja
Course Instructor

Prakash Kumar

HOD

HOD

Dept. of Civil Engineering,
SIET, TUMKUR 66.

Nanda Kumar

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

| Academic year | 2021-22 | SEM | IV | Total strength | | | 13 | Subject | Concrete Technology | | | | | | | | 18/Val | | C Nagaraj | | % of Individual CO | | | | | | | | | | | | | | |
|---------------|----------------|----------------|--------|----------------|-------|--------|-------------------------|---------|---------------------|-------|---------------|-------|-------|--------|--------|--------|--------|--------|----------------------|--------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SEM/REG/CRD | IA TEST 1(30M) | IA TEST 2(30M) | | IA TEST 3(30M) | | | ASSIGNMENT / QUIZ(10 M) | | | | SEE MARKS(50) | | | | | | | | Total COs ATTAINMENT | | | | | | | | | | | | | | | | |
| USN | CO1-20 | TOTAL | CO1-15 | CO2-15 | TOTAL | CO3-20 | CO4-20 | TOTAL | CO1-1 | CO1-2 | CO1-3 | CO1-4 | CO1-5 | CO1-15 | CO1-15 | CO1-15 | CO1-15 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 | CO1-20 |
| 18V20CV001 | 23 | 23 | 25 | 25 | 30 | 30 | 30 | 30 | 3 | 2 | 2 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 30 | 23 | 23 | 28 | 28 | 62.5 | 71.9 | 71.9 | 81.3 | 81.3 | | | | | | | |
| 18V20CV002 | 0 | 8 | 4 | 4 | 8 | 25 | 25 | 25 | 3 | 2 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 8 | 8 | 28 | 28 | 8.3 | 18.8 | 18.8 | 58.3 | 58.3 | | | | | | | |
| 18V20CV003 | 20 | 80 | 5 | 5 | 20 | 5 | 5 | 5 | 3 | 2 | 2 | 3 | 3 | 6 | 6 | 6 | 6 | 5 | 20 | 13 | 13 | 13 | 13 | 60.4 | 40.6 | 40.6 | 27.1 | 27.1 | | | | | | | |
| 18V20CV005 | 23 | 23 | 10 | 10 | 20 | 27 | 27 | 27 | 3 | 2 | 2 | 3 | 3 | 6 | 7 | 6 | 6 | 6 | 32 | 19 | 19 | 16 | 16 | 66.7 | 59.4 | 56.3 | 47.8 | 47.8 | | | | | | | |
| 18V20CV006 | 10 | 10 | 10 | 10 | 20 | 15 | 15 | 15 | 3 | 2 | 2 | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 17 | 17 | 16 | 11 | 11 | 35.4 | 59.3 | 50.0 | 47.8 | 47.8 | | | | | | | |
| 18V20CV007 | 11 | 11 | 6 | 6 | 12 | 12 | 12 | 12 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 17 | 11 | 11 | 19 | 19 | 35.4 | 34.4 | 34.4 | 39.6 | 39.6 | | | | | | | |
| 18V20CV008 | 29 | 29 | 14 | 15 | 29 | 30 | 30 | 30 | 3 | 2 | 2 | 3 | 3 | 7 | 8 | 7 | 8 | 8 | 28 | 24 | 24 | 24 | 24 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | | | | | | | |
| 18V20CV009 | 22 | 22 | 11 | 11 | 22 | 22 | 22 | 22 | 3 | 2 | 2 | 3 | 3 | 6 | 6 | 6 | 7 | 7 | 31 | 19 | 19 | 22 | 22 | 64.6 | 58.4 | 58.4 | 66.7 | 66.7 | | | | | | | |
| 18V20CV010 | 20 | 20 | 7 | 7 | 14 | 29 | 29 | 29 | 3 | 2 | 2 | 3 | 3 | 5 | 5 | 5 | 6 | 6 | 28 | 14 | 14 | 16 | 16 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | | | | | | | |
| 18V20CV011 | 1 | 1 | 7 | 8 | 15 | 13 | 13 | 13 | 3 | 2 | 2 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 5 | 10 | 10 | 16 | 16 | 10.4 | 11.3 | 11.3 | 13.3 | 13.3 | | | | | | | |
| 18V20CV014 | 0 | 0 | 2 | 3 | 5 | 28 | 28 | 28 | 3 | 2 | 2 | 3 | 3 | 1 | 2 | 1 | 2 | 2 | 4 | 8 | 8 | 23 | 23 | 8.3 | 18.8 | 18.8 | 68.8 | 68.8 | | | | | | | |
| 18V20CV015 | 13 | 13 | 7 | 7 | 14 | 24 | 24 | 24 | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 20 | 13 | 12 | 12 | 12 | 20 | 13 | 12 | 12 | 12 | | | | | | | |
| 18V21CV400 | 8 | 8 | 14 | 14 | 28 | 25 | 25 | 25 | 3 | 2 | 2 | 3 | 3 | 9 | 9 | 9 | 9 | 9 | 20 | 15 | 15 | 17 | 17 | 41.7 | 38.1 | 38.1 | 47.3 | 47.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Am

g. k. sharma

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

N. S. Kumar

PRINCIPAL
SIET, TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

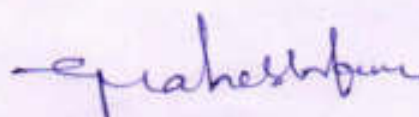
| | | | |
|----------------------|----------------------------|-----------------|---------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Mr. Prakash J |
| Subject | :Advanced Surveying | Semester | : 4 |
| Code | :18CV45 | | |

| 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 | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 2 | 2 | | | | | 1 | | | | 1 |
| CO2 | 2 | 2 | 2 | | | | | 1 | | | | 1 |
| CO3 | 2 | 2 | 2 | 2 | | | | 1 | | | | 1 |
| CO4 | 2 | 2 | 2 | 2 | | | | 1 | | | | 1 |
| AVG | 2 | 2 | 2 | 2 | | | | 1 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.63 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 0 | PO 1 | PO 1 |
| CO1 | 63.52 | 1.27 | 1.27 | 1.27 | | | | | 0.64 | | | | 0.64 |
| CO2 | 50.95 | 1.02 | 1.02 | 1.02 | | | | | 0.51 | | | | 0.51 |
| CO3 | 37.45 | 0.75 | 0.75 | 0.75 | | | | | 0.37 | | | | 0.37 |
| Co4 | 46.92 | 0.94 | 0.94 | 0.94 | | | | | 0.47 | | | | 0.47 |
| Av G | 49.71 | 1 | 1 | 1 | | | | | 0.50 | | | | 0.50 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.80 |


Course Instructor


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


PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY

| Sl. No. | ESS NO | Name of the Student | IA1 | | | IA2 | | | IA3 | | | ASSIGNMENT | | | | | 40 MARKS | CIE MARKS | | | | SEE MARKS | | | | 60 MARKS | COS PERCENTAGE | | | |
|---------|------------|----------------------|-------|-------|------|------|-------|------|------|-------|------|------------|------|------|-------|-------|----------|-----------|-------|------|------|-----------|------|------|-------|----------|----------------|--------|--------|--------|
| | | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CIE | | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | | SEE | CO1=47 | CO2=32 | CO3=47 |
| 1 | 15V20CV001 | Ajanta Singh | 20 | 20 | 14 | 15 | 29 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 26 | 21.5 | 16.5 | 17.5 | 12.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 82.33 | 73.85 | 52.65 | 61.54 | |
| 2 | 15V20CV002 | Akash T R | 13 | 13 | 0 | 4 | 4 | 5 | 10 | 15 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 17.5 | 2.5 | 6.5 | 7.5 | 4 | 4 | 4 | 4 | 16 | 45.25 | 20.00 | 22.21 | 35.50 | |
| 3 | 15V20CV003 | Dhanya Sankar Parthi | 20 | 20 | 9 | 0 | 9 | 5 | 0 | 5 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 22.5 | 11.5 | 3.5 | 5.5 | 6.25 | 6.25 | 6.25 | 6.25 | 25 | 60.53 | 54.61 | 16.47 | 36.15 | |
| 4 | 15V20CV003 | Lakshmi G V | 22 | 22 | 12 | 10 | 22 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 32 | 25.5 | 16.5 | 13.5 | 12.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 70.00 | 68.46 | 41.49 | 62.33 | |
| 5 | 15V20CV006 | Mahalakshmi B | 17 | 17 | 0 | 0 | 0 | 7 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 19.5 | 2.5 | 3.5 | 8.5 | 3.25 | 3.25 | 3.25 | 3.25 | 13 | 47.88 | 17.69 | 11.11 | 39.23 | |
| 6 | 15V20CV007 | Prasanna Varma | 20 | 20 | 2 | 12 | 14 | 5 | 9 | 14 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 26 | 22.5 | 4.5 | 14.5 | 7.5 | 6 | 6 | 6 | 6 | 24 | 60.00 | 32.11 | 44.26 | 43.54 | |
| 7 | 15V20CV008 | Prasanna S | 26 | 26 | 12 | 12 | 24 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 33 | 28.5 | 14.5 | 14.5 | 12.5 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 71.68 | 68.62 | 46.23 | 58.86 | |
| 8 | 15V20CV009 | Prasanna D M | 27 | 27 | 13 | 14 | 27 | 9 | 11 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 33 | 29.5 | 15.5 | 16.5 | 11.5 | 8.75 | 8.75 | 8.75 | 8.75 | 33 | 80.53 | 74.62 | 53.26 | 62.33 | |
| 9 | 15V20CV010 | Shreeya P | 21 | 21 | 14 | 14 | 28 | 13 | 10 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 34 | 23.5 | 16.5 | 16.5 | 15.5 | 8.25 | 8.25 | 8.25 | 8.25 | 31 | 66.84 | 76.15 | 52.11 | 73.68 | |
| 10 | 15V20CV011 | Siddhartha K R | 17 | 17 | 0 | 10 | 10 | 8 | 8 | 8 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22 | 19.5 | 2.5 | 13.5 | 2.5 | 2.75 | 2.75 | 2.75 | 2.75 | 11 | 46.88 | 16.15 | 11.11 | 36.15 | |
| 11 | 15V20CV014 | Varsha M | 17 | 17 | 5 | 8 | 13 | 6 | 8 | 10 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 19.5 | 2.5 | 3.5 | 8.5 | 3.25 | 3.25 | 3.25 | 3.25 | 13 | 62.11 | 38.23 | 36.57 | 42.33 | |
| 12 | 15V20CV013 | Yashwanth Kumar T | 19 | 19 | 8 | 10 | 18 | 5 | 9 | 12 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25 | 21.5 | 4.5 | 12.5 | 5.5 | 8 | 8 | 8 | 8 | 32 | 62.11 | 44.62 | 43.26 | 43.54 | |
| 13 | 15V21CV600 | Ramesha v | 24 | 24 | 13 | 13 | 26 | 9 | 9 | 9 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 37 | 26.5 | 15.5 | 15.5 | 2.5 | 10.5 | 10.5 | 10.5 | 10.5 | 40 | 77.88 | 80.00 | 54.34 | 80.00 | |
| AVERAGE | | | 21.15 | 21.15 | 7.54 | 8.77 | 16.31 | 6.23 | 7.77 | 14.88 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 27.15 | 23.65 | 18.04 | 11.27 | 8.73 | 8.52 | 8.52 | 8.52 | 8.52 | 28.00 | 69.92 | 50.00 | 37.45 | 46.87 | |

Course Instructor

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

Principal

Nandha Kumaran
PRINCIPAL
 SIET, TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|--|-----------------|-----------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Ms. Niranjani B |
| Subject | :Water Supply & Treatment Engineering | Semester | : 4 |
| Code | :18CV46 | | |

| 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 | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 2 | | | | 2 | 2 | 2 | | | | 1 |
| CO2 | 2 | 2 | | | | 2 | 2 | 2 | | | | 1 |
| CO3 | 2 | 2 | | | | 2 | 2 | 2 | | | | 1 |
| CO4 | 2 | 2 | | | | 2 | 2 | 2 | | | | 1 |
| AVG | 2 | 2 | | | | 2 | 2 | 2 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 0.92 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | CO % | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
| CO1 | 55.52 | 1.1 | 1.1 | | | | 1.1 | 1.1 | 1.1 | | | | 0.55 |
| CO2 | 66.75 | 1.33 | 1.33 | | | | 1.33 | 1.33 | 1.33 | | | | 0.66 |
| CO3 | 67.98 | 1.36 | 1.36 | | | | 1.36 | 1.36 | 1.36 | | | | 0.68 |
| CO4 | 61.58 | 1.23 | 1.23 | | | | 1.23 | 1.23 | 1.23 | | | | 0.61 |
| AVG | 62.92 | 1.25 | 1.25 | | | | 1.25 | 1.25 | 1.25 | | | | 0.62 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.15 |

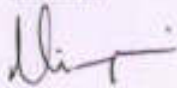
Niranjani B
 Course Instructor

epaheshbhar
 HOD
 Dept. of Civil Engineering
 SIET, TUMKUR

Niranjan Bhat
 PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY

| Sl. No. | ESS NO | IA1 | | IA2 | | IA3 | | ASSIGNMENT | | | | | 40 MARKS | CIE MARKS | | | | SIE MARKS | | | | 60 MARKS | COS PERCENTAGE | | | | | |
|---------|------------|-------|-------|------|------|-------|-------|------------|-------|------|------|------|----------|-----------|-------|-------|-------|-----------|-------|-------|-------|----------|----------------|-------|-------|-------|-------|--------|
| | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | | CO4 | TOTAL | CIE | CO1 | CO2 | CO3 | CO4 | CO1 | | CO2 | CO3 | CO4 | 90 | CO1=7 | CO2=12 |
| 1 | 15V28CV001 | 26 | 26 | 40 | 35 | 25 | 13 | 13 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17 | 28.5 | 12.5 | 17.5 | 17.5 | 3.25 | 3.25 | 3.25 | 3.25 | 13 | 71.08 | 34.62 | 47.49 | 70.00 |
| 2 | 15V28CV002 | 16 | 16 | 40 | 40 | 30 | 30 | 27 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 18.5 | 7.5 | 2.5 | 12.5 | 3.3 | 3.3 | 3.3 | 3.3 | 14 | 46.32 | 18.44 | 31.63 | 48.23 |
| 3 | 15V28CV003 | 8 | 8 | 5 | 30 | 12 | 4 | 5 | 8 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 10.5 | 7.5 | 12.5 | 6.5 | 6 | 6 | 6 | 6 | 25 | 34.74 | 43.54 | 38.93 | 38.44 |
| 4 | 15V28CV005 | 22 | 22 | 10 | 13 | 23 | 13 | 13 | 30 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 15 | 24.5 | 12.5 | 15.5 | 17.5 | 3.1 | 3.1 | 3.1 | 3.1 | 44 | 34.34 | 32.33 | 35.78 | 37.63 |
| 5 | 15V28CV006 | 11 | 11 | 5 | 8 | 16 | 10 | 13 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 16 | 13.5 | 6.5 | 11.5 | 12.5 | 4.5 | 4.5 | 4.5 | 4.5 | 28 | 37.89 | 43.08 | 33.88 | 33.31 |
| 6 | 15V28CV007 | 21 | 21 | 4 | 5 | 19 | 10 | 4 | 14 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25 | 23.5 | 6.5 | 7.5 | 12.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 44.84 | 45.38 | 33.36 | 43.83 |
| 7 | 15V28CV008 | 28 | 28 | 15 | 15 | 30 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 30.5 | 17.5 | 17.5 | 16.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 43.88 | 42.11 | 36.32 | 39.23 |
| 8 | 15V28CV009 | 30 | 30 | 15 | 15 | 30 | 14 | 15 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 40 | 32.5 | 17.5 | 17.5 | 16.5 | 10.75 | 10.75 | 10.75 | 10.75 | 43 | 43.08 | 46.82 | 35.47 | 43.83 |
| 9 | 15V28CV010 | 11 | 11 | 15 | 10 | 20 | 15 | 14 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30 | 13.5 | 17.5 | 12.5 | 17.5 | 3.25 | 3.25 | 3.25 | 3.25 | 23 | 36.43 | 35.00 | 37.37 | 35.00 |
| 10 | 15V28CV011 | 14 | 14 | 0 | 0 | 0 | 10 | 2 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21 | 16.5 | 3.3 | 3.3 | 12.3 | 3.25 | 3.25 | 3.25 | 3.25 | 23 | 45.79 | 33.83 | 28.42 | 34.62 |
| 11 | 15V28CV014 | 10 | 10 | 4 | 5 | 9 | 11 | 7 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22 | 12.5 | 6.5 | 7.5 | 13.3 | 2.25 | 2.25 | 2.25 | 2.25 | 9 | 41.00 | 36.02 | 26.55 | 34.46 |
| 12 | 15V28CV015 | 21 | 21 | 10 | 10 | 20 | 11 | 6 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 29 | 23.5 | 12.5 | 13.5 | 12.5 | 3.75 | 3.75 | 3.75 | 3.75 | 35 | 41.38 | 38.15 | 38.42 | 39.23 |
| 13 | 15V28CV400 | 26 | 26 | 14 | 14 | 28 | 14 | 13 | 27 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 37 | 28.5 | 16.5 | 16.5 | 16.5 | 7.25 | 7.25 | 7.25 | 7.25 | 39 | 35.34 | 33.88 | 30.00 | 33.08 |
| | | 18.77 | 18.77 | 8.30 | 9.38 | 17.38 | 11.77 | 10.31 | 22.06 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 29.41 | 21.27 | 10.88 | 11.88 | 14.27 | 6.48 | 6.48 | 6.48 | 6.48 | 25.82 | 38.42 | 34.43 | 38.48 | 41.85 |

Course Instructor



HOD

apaheshbhar
HOD

Dept. of Civil Engineering
SIET, TUMKUR - 6.

Principal

Manjunath
PRINCIPAL
SIET., TUMAKURU

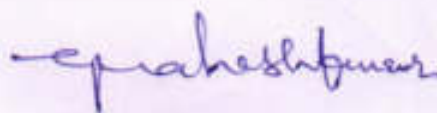
DEPARTMENT OF CIVIL ENGINEERING

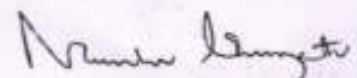
| | | | |
|------------------------|--|-----------------|-----------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Mr. Manogna H N |
| Subject | :Design of Steel Structural Elements | Semester | : 6 |
| Code | :18CV61 | | |
| COURSE OUTCOMES | | | |
| CO1 | Possess knowledge of Steel Structures 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 unsupported steel beams. | | |

| CO PO MAPPING | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| CO2 | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| CO3 | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| CO4 | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| CO5 | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| AVG | 3 | 3 | 3 | | | | | 3 | | | | 3 |
| OVERALL MAPPING | | | | | | | | | | | | 3 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|---------------------------|-------|------|------|------|-----|-----|-----|-----|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 48.34 | 1.45 | 1.45 | 1.45 | | | | | 1.45 | | | | 1.45 |
| CO2 | 61.4 | 1.84 | 1.84 | 1.84 | | | | | 1.84 | | | | 1.84 |
| CO3 | 60.45 | 1.81 | 1.81 | 1.81 | | | | | 1.81 | | | | 1.81 |
| CO4 | 78.96 | 2.37 | 2.37 | 2.37 | | | | | 2.37 | | | | 2.37 |
| CO5 | 66.32 | 1.99 | 1.99 | 1.99 | | | | | 1.99 | | | | 1.99 |
| AVG | 63.09 | 1.89 | 1.89 | 1.89 | | | | | 1.89 | | | | 1.89 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.89 |


 Course Instructor


 HOD
 Dept. of Civil Engineering
 S.I.E.T. TUMKUR - 6.



DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|---------------|-----------------------------------|----------|--------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Dr. G Mahesh Kumar |
| Subject | :Applied Geotechnical Engineering | Semester | : 6 |
| Code | :18CV62 | | |

| 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 MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 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 | 2.6 | 1.8 | 2.8 | 2 | 3 | 2.6 | 2.4 | 2.6 | 3 |
| OVERALL MAPPING | | | | | | | | | | | | 2.65 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 58 | 1.7 | 1.7 | 1.7 | 1.7 | 0.6 | 1.16 | 1.2 | 1.7 | 1.7 | 2 | 1.7 | 1.7 |
| CO2 | 53 | 1.6 | 1.6 | 1.6 | 1.1 | 0.5 | 1.58 | 1.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 |
| CO3 | 49 | 1.5 | 1.5 | 1.5 | 1 | 0.5 | 1.46 | 1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 |
| CO4 | 62 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.85 | 1.2 | 1.9 | 1.2 | 1.2 | 1.2 | 1.8 |
| CO5 | 55 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.64 | 1.1 | 1.6 | 1.1 | 1.1 | 1.1 | 1.6 |
| AVG | | 1.7 | 1.7 | 1.7 | 1.5 | 1 | 1.54 | 1.1 | 1.7 | 1.4 | 1.5 | 1.4 | 1.65 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.5 |

G Mahesh Kumar

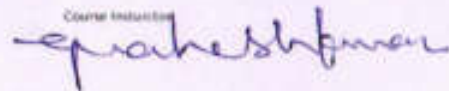
Course Instructor

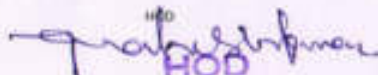
G Mahesh Kumar

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

Manjunath

| ACADEMIC 2021-22 EVEN | | | | | AGE | BROU | 40 | 50 | 44 | 29 | 29 | 29 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----|-----|-------|-----|-----------|-------|-----|-----------|-------|--------|-----------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|-------|------|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|
| SEM | W | C | T | T | IA TEST 1 | | | IA TEST 2 | | | IA TEST 3 | | | 40 | | | | | 50 | | | | | 44 | | | | | 29 | | | | | 29 | | | | | 29 | | | | | | | |
| USN | CO1 | CO2 | TOTAL | CO1 | CO2 | TOTAL | CO4 | CO5 | TOTAL | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV | CO1 | CO2 | CO3 | CO4 | CO5 | AV |
| 15V18CV001 | 10 | 4 | 14 | 10 | 6 | 16 | 8 | 8 | 16 | 16 | 2 | 2 | 2 | 2 | 1 | 9 | 25 | 4 | 5 | 5 | 5 | 5 | 26 | 51 | 28 | 13 | 13 | 13 | 14 | 81.6 | 44.8 | 44.8 | 51.7 | 48.1 | | | | | | | | | | | | |
| 15V18CV009 | 15 | 12 | 27 | 10 | 3 | 13 | 11 | 11 | 22 | 22 | 2 | 2 | 2 | 2 | 2 | 10 | 32 | 4 | 4 | 4 | 5 | 5 | 28 | 60 | 33 | 30 | 25 | 18 | 18 | 75 | 49 | 51.7 | 62.1 | 62.1 | | | | | | | | | | | | |
| 15V18CV010 | 7 | 7 | 14 | 0 | 0 | 0 | 10 | 4 | 14 | 14 | 9 | 2 | 2 | 2 | 2 | 10 | 19 | 3 | 2 | 1 | 1 | 1 | 7 | 26 | 11 | 11 | 3 | 13 | 7 | 25 | 37.9 | 10.3 | 44.8 | 24.1 | | | | | | | | | | | | |
| 15V18CV012 | 12 | 12 | 24 | 13 | 10 | 23 | 7 | 7 | 14 | 20 | 2 | 2 | 2 | 2 | 1 | 9 | 29 | 7 | 7 | 7 | 7 | 7 | 35 | 44 | 34 | 21 | 19 | 16 | 15 | 77.3 | 72.4 | 65.5 | 55.2 | 51.7 | | | | | | | | | | | | |
| 15V18CV020 | 11 | 11 | 22 | 15 | 11 | 26 | 15 | 13 | 28 | 25 | 2 | 2 | 2 | 2 | 1 | 9 | 34 | 4 | 5 | 5 | 5 | 5 | 26 | 60 | 34 | 18 | 18 | 22 | 19 | 77.3 | 62.1 | 62.1 | 75.9 | 65.5 | | | | | | | | | | | | |
| 15V18CV023 | 13 | 13 | 26 | 15 | 14 | 29 | 15 | 8 | 24 | 26 | 2 | 2 | 2 | 2 | 2 | 10 | 36 | 5 | 5 | 5 | 5 | 4 | 24 | 60 | 35 | 30 | 21 | 22 | 15 | 79.5 | 49 | 72.4 | 75.9 | 51.7 | | | | | | | | | | | | |
| 15V18CV041 | 13 | 13 | 26 | 10 | 10 | 20 | 15 | 14 | 29 | 25 | 2 | 2 | 2 | 2 | 1 | 9 | 34 | 4 | 4 | 4 | 4 | 5 | 29 | 49 | 31 | 30 | 18 | 23 | 20 | 79.5 | 49 | 62.1 | 79.3 | 49 | | | | | | | | | | | | |
| 15V18CV053 | 10 | 10 | 20 | 10 | 9 | 19 | 12 | 12 | 24 | 21 | 2 | 2 | 2 | 1 | 1 | 8 | 29 | 5 | 5 | 5 | 5 | 5 | 25 | 54 | 27 | 17 | 16 | 18 | 18 | 62.4 | 54.6 | 55.2 | 62.1 | 62.1 | | | | | | | | | | | | |
| 15V18CV015 | 10 | 7 | 17 | 10 | 9 | 19 | 0 | 0 | 0 | 12 | 2 | 2 | 2 | 2 | 1 | 9 | 21 | 5 | 5 | 5 | 5 | 4 | 24 | 45 | 27 | 14 | 16 | 7 | 5 | 42.4 | 48.3 | 55.2 | 24.1 | 17.2 | | | | | | | | | | | | |
| 15V18CV017 | 1 | 2 | 3 | 7 | 7 | 14 | 14 | 14 | 28 | 14 | 2 | 2 | 2 | 1 | 1 | 8 | 24 | 5 | 5 | 5 | 5 | 4 | 24 | 48 | 17 | 9 | 14 | 20 | 19 | 36.6 | 31 | 48.3 | 49 | 65.5 | | | | | | | | | | | | |
| 15V19CV001 | 10 | 7 | 17 | 5 | 4 | 9 | 7 | 7 | 14 | 13 | 2 | 2 | 2 | 1 | 1 | 8 | 21 | 5 | 4 | 4 | 4 | 4 | 31 | 42 | 22 | 19 | 10 | 12 | 12 | 50 | 44.8 | 34.5 | 43.4 | 43.4 | | | | | | | | | | | | |
| 15V19CV002 | 13 | 10 | 23 | 0 | 0 | 0 | 10 | 7 | 17 | 13 | 2 | 2 | 2 | 1 | 1 | 7 | 20 | 4 | 4 | 4 | 4 | 4 | 32 | 52 | 23 | 18 | 7 | 17 | 14 | 52.3 | 62.1 | 24.1 | 58.6 | 48.3 | | | | | | | | | | | | |
| 15V19CV003 | 10 | 5 | 15 | 0 | 0 | 0 | 10 | 9 | 19 | 11 | 2 | 2 | 2 | 1 | 1 | 8 | 19 | 2 | 1 | 1 | 1 | 1 | 6 | 25 | 14 | 8 | 3 | 12 | 11 | 31.8 | 27.6 | 10.3 | 41.4 | 37.9 | | | | | | | | | | | | |
| 15V19CV004 | 13 | 10 | 23 | 12 | 12 | 24 | 12 | 10 | 22 | 23 | 2 | 2 | 2 | 1 | 1 | 8 | 31 | 10 | 7 | 7 | 7 | 7 | 30 | 69 | 37 | 19 | 21 | 20 | 18 | 94.1 | 65.5 | 72.4 | 49 | 62.1 | | | | | | | | | | | | |
| 15V19CV005 | 10 | 7 | 17 | 3 | 2 | 5 | 6 | 6 | 12 | 11 | 2 | 2 | 2 | 1 | 1 | 8 | 19 | 4 | 2 | 1 | 1 | 1 | 9 | 38 | 19 | 11 | 5 | 8 | 8 | 43.2 | 37.9 | 17.2 | 27.6 | 27.6 | | | | | | | | | | | | |
| 15V19CV007 | 13 | 10 | 23 | 14 | 12 | 26 | 6 | 5 | 11 | 20 | 2 | 2 | 2 | 2 | 1 | 9 | 29 | 4 | 4 | 4 | 4 | 4 | 32 | 61 | 37 | 18 | 20 | 14 | 12 | 84.1 | 62.1 | 49 | 48.3 | 41.4 | | | | | | | | | | | | |
| 15V19CV008 | 10 | 10 | 20 | 5 | 5 | 10 | 10 | 10 | 20 | 17 | 2 | 2 | 2 | 1 | 1 | 8 | 25 | 6 | 6 | 6 | 6 | 6 | 30 | 55 | 23 | 18 | 13 | 17 | 17 | 52.3 | 62.1 | 44.8 | 58.6 | 58.6 | | | | | | | | | | | | |
| 15V19CV009 | 12 | 10 | 22 | 5 | 4 | 9 | 13 | 10 | 23 | 18 | 2 | 2 | 1 | 1 | 1 | 7 | 25 | 5 | 5 | 5 | 5 | 4 | 24 | 49 | 24 | 17 | 10 | 19 | 15 | 54.5 | 58.6 | 34.5 | 65.5 | 51.7 | | | | | | | | | | | | |
| 15V19CV010 | 15 | 14 | 29 | 15 | 15 | 30 | 15 | 12 | 27 | 29 | 2 | 2 | 2 | 2 | 1 | 9 | 38 | 4 | 7 | 7 | 7 | 7 | 36 | 34 | 40 | 23 | 24 | 20 | 90.9 | 79.3 | 82.8 | 82.8 | 49 | | | | | | | | | | | | | |
| 15V19CV012 | 14 | 12 | 26 | 15 | 11 | 26 | 15 | 12 | 27 | 26 | 2 | 2 | 2 | 1 | 1 | 8 | 34 | 4 | 4 | 4 | 4 | 4 | 40 | 74 | 39 | 27 | 21 | 24 | 21 | 88.4 | 75.9 | 72.4 | 82.8 | 72.4 | | | | | | | | | | | | |
| 15V19CV013 | 7 | 6 | 13 | 15 | 13 | 28 | 15 | 14 | 29 | 28 | 2 | 2 | 2 | 1 | 1 | 8 | 36 | 4 | 7 | 7 | 7 | 7 | 36 | 72 | 32 | 15 | 22 | 22 | 72.7 | 51.7 | 75.9 | 79.3 | 75.9 | | | | | | | | | | | | | |
| 15V19CV014 | 9 | 0 | 0 | 7 | 6 | 13 | 9 | 9 | 18 | 10 | 2 | 2 | 2 | 2 | 1 | 9 | 19 | 5 | 5 | 5 | 5 | 1 | 21 | 40 | 14 | 7 | 13 | 16 | 13 | 31.8 | 24.1 | 44.8 | 55.2 | 37.9 | | | | | | | | | | | | |
| 15V19CV015 | 15 | 12 | 27 | 15 | 8 | 23 | 15 | 10 | 25 | 25 | 2 | 2 | 2 | 2 | 1 | 9 | 34 | 7 | 5 | 5 | 5 | 5 | 27 | 41 | 39 | 19 | 15 | 22 | 14 | 88.6 | 65.5 | 51.7 | 75.9 | 55.2 | | | | | | | | | | | | |
| 15V19CV016 | 0 | 0 | 0 | 4 | 4 | 8 | 13 | 10 | 23 | 10 | 2 | 2 | 2 | 2 | 1 | 9 | 19 | 4 | 4 | 4 | 4 | 4 | 33 | 52 | 34 | 8 | 12 | 23 | 17 | 31.8 | 27.6 | 41.4 | 72.4 | 58.6 | | | | | | | | | | | | |
| 15V19CV017 | 0 | 0 | 0 | 10 | 10 | 20 | 14 | 14 | 28 | 10 | 2 | 2 | 2 | 1 | 1 | 8 | 24 | 4 | 4 | 4 | 4 | 5 | 29 | 53 | 28 | 8 | 18 | 23 | 20 | 40.9 | 27.6 | 62.1 | 72.4 | 49 | | | | | | | | | | | | |
| 15V19CV018 | 10 | 8 | 18 | 10 | 10 | 20 | 15 | 12 | 27 | 22 | 2 | 2 | 2 | 1 | 1 | 8 | 30 | 4 | 7 | 7 | 7 | 7 | 36 | 44 | 40 | 17 | 19 | 23 | 20 | 68.2 | 58.6 | 65.5 | 79.3 | 49 | | | | | | | | | | | | |
| 15V19CV019 | 10 | 10 | 20 | 4 | 4 | 8 | 13 | 10 | 23 | 17 | 2 | 2 | 2 | 2 | 1 | 9 | 26 | 5 | 5 | 5 | 5 | 7 | 27 | 53 | 31 | 17 | 11 | 20 | 18 | 47.7 | 58.6 | 37.9 | 49 | 62.1 | | | | | | | | | | | | |
| 15V19CV020 | 10 | 10 | 20 | 7 | 7 | 14 | 10 | 7 | 17 | 17 | 2 | 2 | 2 | 1 | 1 | 8 | 25 | 6 | 6 | 6 | 6 | 8 | 32 | 57 | 35 | 18 | 15 | 17 | 16 | 56.8 | 62.1 | 51.7 | 58.6 | 55.2 | | | | | | | | | | | | |
| 15V19CV021 | 12 | 12 | 24 | 10 | 10 | 20 | 15 | 14 | 29 | 24 | 2 | 2 | 2 | 2 | 1 | 9 | 33 | 4 | 4 | 4 | 4 | 9 | 33 | 66 | 40 | 20 | 18 | 23 | 24 | 68.2 | 49 | 62.1 | 79.3 | 82.8 | | | | | | | | | | | | |
| 15V19CV024 | 13 | 13 | 26 | 13 | 12 | 25 | 13 | 12 | 25 | 27 | 2 | 2 | 2 | 2 | 1 | 9 | 36 | 4 | 4 | 4 | 4 | 4 | 30 | 66 | 36 | 11 | 20 | 23 | 19 | 81.8 | 72.4 | 49 | 79.3 | 65.5 | | | | | | | | | | | | |
| 15V19CV025 | 1 | 3 | 4 | 2 | 3 | 5 | 10 | 5 | 15 | 9 | 2 | 2 | 2 | 2 | 2 | 10 | 19 | 1 | 1 | 1 | 1 | 1 | 5 | 24 | 9 | 6 | 6 | 13 | 8 | 20.5 | 20.7 | 20.7 | 44.8 | 27.6 | | | | | | | | | | | | |
| 15V19CV027 | 10 | 10 | 20 | 4 | 4 | 8 | 7 | 7 | 14 | 14 | 2 | 2 | 2 | 1 | 1 | 9 | 23 | 3 | 3 | 3 | 3 | 5 | 17 | 40 | 19 | 15 | 9 | 12 | 13 | 43.2 | 31.7 | 31 | 41.4 | 44.8 | | | | | | | | | | | | |
| 15V19CV028 | 15 | 10 | 25 | 0 | 0 | 0 | 11 | 11 | 22 | 15 | 2 | 2 | 1 | 1 | 1 | 7 | 22 | 3 | 3 | 3 | 3 | 3 | 15 | 37 | 20 | 15 | 4 | 10 | 15 | 45.5 | 51.7 | 13.8 | 51.7 | 51.7 | | | | | | | | | | | | |
| 15V19CV029 | 15 | 12 | 27 | 15 | 14 | 29 | 15 | 14 | 29 | 28 | 2 | 2 | 2 | 2 | 2 | 10 | 38 | 9 | 8 | 8 | 8 | 8 | 41 | 79 | 41 | 22 | 24 | 24 | 93.2 | 75.9 | 82.8 | 86.2 | 82.8 | | | | | | | | | | | | | |
| 15V19CV030 | 7 | 6 | 13 | 10 | 10 | 20 | 12 | 12 | 24 | 19 | 2 | 2 | 2 | 2 | 1 | 9 | 28 | 4 | 4 | 4 | 4 | 8 | 32 | 60 | 25 | 14 | 18 | 21 | 56.8 | 48.3 | 62.1 | 49 | 72.4 | | | | | | | | | | | | | |
| 15V19CV031 | 13 | 13 | 26 | 15 | 15 | 30 | 15 | 14 | 29 | 24 | 2 | 2 | 2 | 2 | 1 | 9 | 37 | 4 | 4 | 4 | 4 | 9 | 33 | 70 | 36 | 21 | 23 | 24 | 81.8 | 72.4 | 79.3 | 79.3 | 82.8 | | | | | | | | | | | | | |
| 15V19CV032 | 0 | 0 | 0 | 1 | 1 | 2 | 15 | 10 | 25 | 9 | 2 | 2 | 2 | 2 | 2 | 10 | 19 | 0 | 1 | 1 | 1 | 1 | 4 | 23 | 3 | 3 | 4 | 18 | 13 | 6.82 | 10.3 | 13.8 | 62.1 | 44.8 | | | | | | | | | | | | |
| 15V20CV000 | 7 | 6 | 13 | 2 | 1 | 3 | 10 | 9 | 19 | 12 | 2 | 2 | 1 | 1 | 1 | 7 | 18 | 4 | 4 | 4 | 4 | 8 | 32 | 51 | 17 | 14 | 8 | 17 | 18 | 36.6 | 48.3 | 27.6 | 58.6 | 62.1 | | | | | | | | | | | | |
| 15V20CV001 | 7 | 7 | 14 | 6 | 5 | 11 | 13 | 10 | 23 | 16 | 2 | 2 | 1 | 1 | 1 | 7 | 23 | 5 | 5 | 5 | 5 | 4 | 24 | 47 | 20 | 14 | 13 | 19 | 15 | 45.5 | 48.3 | 37.9 | 65.5 | 51.7 | | | | | | | | | | | | |
| 15V20CV002 | 13 | 13 | 26 | 15 | 10 | 25 | 13 | 10 | 23 | 25 | 2 | 2 | 2 | 2 | 1 | 9 | 34 | 4 | 4 | 4 | 4 | 5 | 21 | 55 | 34 | 19 | 16 | 19 | 16 | 77.3 | 65.5 | 55.2 | 65.5 | 55.2 | | | | | | | | | | | | |
| 15V20CV003 | 12 | 12 | 24 | 10 | 10 | 20 | 15 | 10 | 25 | 23 | 2 | 2 | 2 | 1 | 1 | 8 | 31 | 4 | 4 | 4 | 4 | 6 | 30 | 61 | 30 | 20 | 18 | 22 | 17 | 68.2 | 49 | 62.1 | 75.9 | 58.6 | | | | | | | | | | | | |
| TOTAL | 403 | 350 | 753 | 357 | 305 | 662 | 481 | 404 | 884 | 767 | 82 | 82 | 77 | 64 | 47 | 352 | 1129 | 231 | 211 | 209 | 204 | 214 | 1074 | 2191 | 1040 | 641 | 591 | 751 | 605 | 2427 | 2217 | 2038 | 2397 | 2283 | | | | | | | | | | | | |
| Students | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | | |
| Average | 9.6 | 8.3 | 17.93 | 8.4 | 7.3 | 15.64 | 11 | 9.6 | 21.05 | 18.262 | 2 | 2 | 1.8 | 1.5 | 1.1 | 8.38 | 26.6 | 3.5 | 5 | 5 | 5 | 5.1 | 25.6 | 52.21 | 25.4 | 15 | 14 | 18 | 10 | 57.8 | 52.8 | 44.5 | 61.8 | 54.6 | | | | | | | | | | | | |

Course Instructor


HOD

 HOD
 Dept. of Civil Engineering
 SIET, TUMKUR - 6

Principal

 PRINCIPAL
 SIET., TUMAKURU.

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|----------------------|--|-----------------|------------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Ms. Hiranjani B |
| Subject | :Hydrology And Irrigation Engineering | Semester | : 6 |
| Code | :18CV63 | | |

| 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 | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | | | | | 2 | 2 | 1 | | | | 1 |
| CO2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| CO3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| CO4 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| CO5 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| CO6 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| AVG | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.44 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|------|------|------|------|------|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 57.89 | 1.16 | | 0 | | | 1.16 | 1.16 | 0.58 | | | | 0.58 |
| CO2 | 58.34 | 1.17 | 1.17 | 0.58 | 0.58 | 0.58 | 1.17 | 1.17 | 0.58 | | | | 0.58 |
| CO3 | 62.01 | 1.24 | 1.24 | 0.62 | 0.62 | 0.62 | 1.24 | 1.24 | 0.62 | | | | 0.62 |
| CO4 | 63.01 | 1.26 | 1.26 | 0.63 | 0.63 | 0.63 | 1.26 | 1.26 | 0.63 | | | | 0.63 |
| CO5 | 71.05 | 1.39 | 1.39 | 0.7 | 0.7 | 0.7 | 1.39 | 1.39 | 0.7 | | | | 0.7 |
| AVG | 63.66 | 1.42 | 1.42 | 0.71 | 0.71 | 0.71 | 1.42 | 1.42 | 0.71 | | | | 0.71 |
| 2AG | | 1.27 | 1.08 | 0.54 | 0.54 | 0.54 | 1.27 | 1.27 | 0.64 | | | | 0.64 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.84 |

Hiranjani B
 Course Instructor

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

Nanda Kumar

DEPARTMENT OF CIVIL ENGINEERING

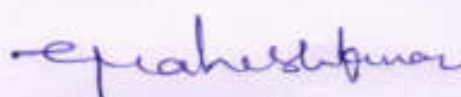
| | | | |
|----------------------|--|-----------------|----------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Mr. Prakash J |
| Subject | :Railway, Harbours, Tunnelling & Airports | Semester | : 6 |
| Code | :18CV645 | | |

| 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 |

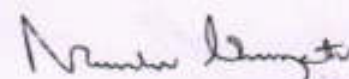
| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 3 | 2 | | | | | 1 | 1 | | | | 1 |
| CO2 | 3 | 2 | | | | 1 | | 1 | | | | 1 |
| CO3 | 3 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| CO4 | 3 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| AVG | 3 | 2 | | | | 1 | 1 | 1 | | | | 1 |
| OVERALL MAPPING | | | | | | | | | | | | 1.5 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-------|------|------|-----|-----|-----|------|------|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 58.55 | 1.76 | 1.17 | | | | | 0.59 | 0.59 | | | | 0.59 |
| CO2 | 60.36 | 1.81 | 1.21 | | | | 0.6 | | 0.6 | | | | 0.6 |
| CO3 | 64.15 | 1.92 | 1.28 | | | | 0.64 | 0.64 | 0.64 | | | | 0.64 |
| Co4 | 61.93 | 1.86 | 1.24 | | | | 0.62 | 0.62 | 0.62 | | | | 0.62 |
| 2AvG | 61.25 | 1.84 | 1.23 | | | | 0.62 | 0.62 | 0.61 | | | | 0.61 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 0.95 |


 Course Instructor



HOD
 Dept. of Civil Engineering
 SIET, TUMKUR - 6



| SL. No. | USN NO | Name of the Student | IA1 | | IA2 | | | IA3 | | | ASSIGNMENT | | | | | CIE MARKS | | | | SIE MARKS | | | | 60 SIE | COS PERCENTAGE | | | |
|---------|------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------------|------|------|------|-------|-----------|-------|-------|-------|-----------|------|------|------|-----------|----------------|--------|--------|--------|
| | | | CO1 | TOTAL | CO2 | CO3 | TOTAL | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | TOTAL | CO1 | CO2 | CO3 | CO4 | CO1 | CO2 | CO3 | CO4 | | CO1=47 | CO2=32 | CO3=47 | CO4=32 |
| 1 | ISV18CV002 | Amrata Varshini P Barks | 15 | 15 | 10 | 10 | 20 | 10 | 15 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 17.5 | 12.5 | 22.5 | 17.5 | 11.8 | 11.8 | 11.8 | 11.8 | 47 | 61.58 | 74.62 | 72.11 | 90.00 |
| 2 | ISV18CV009 | Nayana D T | 24 | 24 | 8 | 12 | 20 | 12 | 10 | 22 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 26.5 | 10.5 | 26.5 | 12.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 73.16 | 57.69 | 73.16 | 63.85 |
| 3 | ISV18CV010 | Darshan K V | 0 | 0 | 10 | 8 | 18 | 7 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 12.5 | 17.5 | 12.5 | 0 | 0 | 0 | 0 | 0 | 5.26 | 38.46 | 36.84 | 38.46 |
| 4 | ISV18CV012 | Devika K Patel | 27 | 27 | 14 | 15 | 29 | 10 | 6 | 16 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 29.5 | 16.5 | 27.5 | 8.5 | 9 | 9 | 9 | 9 | 36 | 81.05 | 78.46 | 76.84 | 53.85 |
| 5 | ISV18CV020 | Kavya H K | 28 | 28 | 14 | 12 | 26 | 11 | 13 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30.5 | 16.5 | 25.5 | 15.5 | 4.25 | 4.25 | 4.25 | 4.25 | 17 | 73.16 | 63.85 | 62.63 | 60.77 |
| 6 | ISV18CV023 | Nagalakshmi | 23 | 23 | 14 | 14 | 28 | 14 | 10 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 16.5 | 30.5 | 12.5 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 67.37 | 70.77 | 77.89 | 58.46 |
| 7 | ISV18CV031 | Shivamurthy S V | 29 | 29 | 14 | 15 | 29 | 11 | 14 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 31.5 | 16.5 | 28.5 | 16.5 | 10.3 | 10.3 | 10.3 | 10.3 | 41 | 87.89 | 82.31 | 81.58 | 82.31 |
| 8 | ISV18CV033 | Srinivas J | 26 | 26 | 7 | 10 | 17 | 10 | 11 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 9.5 | 22.5 | 13.5 | 6 | 6 | 6 | 6 | 24 | 72.63 | 47.69 | 60.00 | 60.00 |
| 9 | ISV18CV035 | Teja KG | 26 | 26 | 10 | 13 | 23 | 13 | 12 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 12.5 | 28.5 | 14.5 | 4 | 4 | 4 | 4 | 16 | 68.42 | 50.77 | 68.42 | 56.92 |
| 10 | ISV18CV037 | Vijthal Raghanna | 0 | 0 | 14 | 10 | 24 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 16.5 | 25.5 | 15.5 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 25.26 | 80.00 | 73.68 | 76.92 |
| 11 | ISV19CV001 | Ahya Tabassum | 0 | 0 | 6 | 10 | 16 | 9 | 4 | 13 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 8.5 | 21.5 | 6.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 16.32 | 42.31 | 56.32 | 36.15 |
| 12 | ISV19CV002 | Amulya P | 25 | 25 | 10 | 10 | 20 | 10 | 7 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 27.5 | 12.5 | 22.5 | 9.5 | 2.25 | 2.25 | 2.25 | 2.25 | 9 | 62.63 | 45.38 | 52.11 | 36.15 |
| 13 | ISV19CV003 | Anil B Koli | 19 | 19 | 10 | 5 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21.5 | 12.5 | 17.5 | 12.5 | 3.75 | 3.75 | 3.75 | 3.75 | 15 | 53.16 | 50.00 | 44.74 | 50.00 |
| 14 | ISV19CV004 | Anithalakshmi | 26 | 26 | 14 | 12 | 26 | 12 | 14 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 16.5 | 26.5 | 16.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 75.79 | 73.85 | 71.58 | 73.85 |
| 15 | ISV19CV005 | Appuyadav E | 22 | 22 | 9 | 4 | 13 | 7 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 11.5 | 13.5 | 12.5 | 7 | 7 | 7 | 7 | 28 | 66.32 | 56.92 | 43.16 | 60.00 |
| 16 | ISV19CV007 | Avinash Naik S | 22 | 22 | 15 | 14 | 29 | 12 | 12 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 24.5 | 17.5 | 28.5 | 14.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 68.95 | 79.23 | 77.37 | 70.00 |
| 17 | ISV19CV008 | Dileep B O | 8 | 8 | 10 | 5 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 10.5 | 12.5 | 17.5 | 12.5 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 42.11 | 67.69 | 56.84 | 67.69 |
| 18 | ISV19CV009 | Govindaraju N | 17 | 17 | 0 | 0 | 0 | 12 | 11 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 2.5 | 14.5 | 13.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 58.42 | 33.08 | 47.89 | 66.92 |
| 19 | ISV19CV010 | Harsh Kumar B | 28 | 28 | 14 | 13 | 27 | 14 | 14 | 28 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30.5 | 16.5 | 29.5 | 16.5 | 7.75 | 7.75 | 7.75 | 7.75 | 31 | 80.53 | 74.62 | 78.42 | 74.62 |
| 20 | ISV19CV012 | Kiran Kumar K S | 29 | 29 | 15 | 14 | 29 | 15 | 14 | 29 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 31.5 | 17.5 | 31.5 | 16.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 82.11 | 76.92 | 82.11 | 73.85 |
| 21 | ISV19CV013 | Lakshmi K H | 29 | 29 | 14 | 15 | 29 | 14 | 14 | 28 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 31.5 | 16.5 | 31.5 | 16.5 | 7.5 | 7.5 | 7.5 | 7.5 | 30 | 82.11 | 73.85 | 82.11 | 73.85 |
| 22 | ISV19CV014 | Lekhana K S | 0 | 0 | 5 | 10 | 15 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 7.5 | 22.5 | 12.5 | 8.75 | 8.75 | 8.75 | 8.75 | 35 | 23.68 | 50.00 | 65.79 | 65.38 |
| 23 | ISV19CV015 | Manoranjan T H | 23 | 23 | 10 | 13 | 23 | 15 | 10 | 25 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 12.5 | 30.5 | 12.5 | 6.5 | 6.5 | 6.5 | 6.5 | 26 | 67.37 | 58.46 | 77.89 | 58.46 |
| 24 | ISV19CV016 | Monisha B P | 0 | 0 | 10 | 5 | 15 | 12 | 12 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 12.5 | 19.5 | 14.5 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 25.26 | 67.69 | 61.05 | 73.85 |
| 25 | ISV19CV017 | Nandan C R | 23 | 23 | 13 | 10 | 23 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 25.5 | 15.5 | 22.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 64.74 | 63.85 | 58.42 | 54.62 |
| 26 | ISV19CV018 | Praveenkumar | 20 | 20 | 13 | 13 | 26 | 10 | 11 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 15.5 | 25.5 | 13.5 | 3.75 | 3.75 | 3.75 | 3.75 | 15 | 55.26 | 59.33 | 61.58 | 53.08 |
| 27 | ISV19CV019 | Pavan Kumar G | 20 | 20 | 13 | 10 | 23 | 9 | 8 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 15.5 | 21.5 | 10.5 | 9.25 | 9.25 | 9.25 | 9.25 | 37 | 66.84 | 76.15 | 64.74 | 60.77 |
| 28 | ISV19CV020 | Praveen G S | 17 | 17 | 7 | 10 | 17 | 7 | 10 | 17 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 19.5 | 9.5 | 19.5 | 12.5 | 6 | 6 | 6 | 6 | 24 | 53.68 | 47.69 | 53.68 | 56.92 |
| 29 | ISV19CV021 | Rakesh Gowda T J | 26 | 26 | 13 | 14 | 27 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 15.5 | 29.5 | 15.5 | 5.75 | 5.75 | 5.75 | 5.75 | 23 | 72.11 | 65.38 | 74.21 | 65.38 |
| 30 | ISV19CV024 | Shivanand Helawar | 24 | 24 | 10 | 15 | 25 | 9 | 12 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 26.5 | 12.5 | 26.5 | 14.5 | 10 | 10 | 10 | 10 | 40 | 76.84 | 69.23 | 76.84 | 75.38 |
| 31 | ISV19CV025 | Shivapadma Basimal | 14 | 14 | 0 | 3 | 3 | 5 | 7 | 12 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 16.5 | 2.5 | 10.5 | 9.5 | 0.75 | 0.75 | 0.75 | 0.75 | 3 | 36.32 | 10.00 | 23.68 | 31.54 |
| 32 | ISV19CV027 | Sudheep R | 20 | 20 | 10 | 10 | 20 | 6 | 8 | 14 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 12.5 | 18.5 | 10.5 | 3 | 3 | 3 | 3 | 12 | 53.68 | 47.69 | 45.26 | 41.54 |
| 33 | ISV19CV028 | Surya M N | 20 | 20 | 5 | 9 | 14 | 10 | 8 | 18 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 22.5 | 7.5 | 21.5 | 10.5 | 2.25 | 2.25 | 2.25 | 2.25 | 9 | 52.11 | 30.00 | 50.00 | 39.23 |
| 34 | ISV19CV029 | Sushmitha R | 30 | 30 | 14 | 15 | 29 | 13 | 13 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 32.5 | 16.5 | 30.5 | 15.5 | 9.5 | 9.5 | 9.5 | 9.5 | 38 | 88.42 | 80.00 | 84.21 | 76.92 |
| 35 | ISV19CV030 | Tarun D Hotakar | 26 | 26 | 13 | 14 | 27 | 12 | 12 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 28.5 | 15.5 | 28.5 | 14.5 | 9 | 9 | 9 | 9 | 36 | 78.95 | 75.38 | 78.95 | 72.31 |
| 36 | ISV19CV031 | Thivethi S | 28 | 28 | 14 | 14 | 28 | 14 | 12 | 26 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 30.5 | 16.5 | 30.5 | 14.5 | 8.5 | 8.5 | 8.5 | 8.5 | 34 | 82.11 | 76.92 | 82.11 | 70.77 |
| 37 | ISV19CV032 | Kushal R | 0 | 0 | 0 | 3 | 3 | 14 | 10 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 2.5 | 19.5 | 12.5 | 3.25 | 3.25 | 3.25 | 3.25 | 13 | 12.11 | 17.69 | 47.89 | 48.46 |
| 38 | ISV20CV400 | Gagana N | 19 | 19 | 8 | 5 | 13 | 9 | 12 | 21 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 21.5 | 10.5 | 16.5 | 14.5 | 8.25 | 8.25 | 8.25 | 8.25 | 33 | 62.63 | 57.69 | 52.11 | 70.00 |
| 39 | ISV20CV401 | Madhu N B | 0 | 0 | 10 | 10 | 20 | 10 | 10 | 20 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 12.5 | 22.5 | 12.5 | 5.25 | 5.25 | 5.25 | 5.25 | 21 | 16.32 | 54.62 | 58.42 | 54.62 |
| 40 | ISV20CV402 | Rajeshwari Madriwalar | 29 | 29 | 15 | 11 | 26 | 12 | 12 | 24 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 31.5 | 17.5 | 25.5 | 14.5 | 7 | 7 | 7 | 7 | 28 | 81.05 | 75.38 | 68.42 | 66.15 |
| 41 | ISV20CV403 | Rakesh L P | 0 | 0 | 11 | 10 | 21 | 10 | 13 | 23 | 2.5 | 2.5 | 2.5 | 2.5 | 10 | 2.5 | 13.5 | 22.5 | 15.5 | 10.3 | 10.3 | 10.3 | 10.3 | 41 | 26.84 | 73.08 | 68.95 | 79.23 |
| average | | | 18.59 | 18.59 | 10.39 | 10.37 | 20.76 | 10.88 | 10.90 | 21.78 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 21.09 | 12.89 | 13.74 | 13.40 | 6.73 | 6.73 | 6.73 | 6.73 | 26.90 | 58.55 | 68.36 | 64.15 | 61.93 |

Course Instructor

Prakash J
HOD
Dept. of C Engineering
SIET, TUMKUR - 6.

Principal

Prakash J
PRINCIPAL
SIET, TUMAKURU

DEPARTMENT OF CIVIL ENGINEERING

| | | | |
|---------------|---|----------|------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Mrs. Radhika T N |
| Subject | :Design of Pre-stressed Concrete Elements | Semester | : 8 |
| Code | :18CV81 | | |

| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Identifying suitable materials and methods of prestressing |
| CO2 | Analyse the stresses, losses and deflections in the pre-stressed beams |
| CO3 | Analyse and design the pre-stressed concrete members for Flexure and Shear Strength |
| CO4 | Analyse anchorage system and design of end block of PSC members |

| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|------|------|------|-----|-----|-----|-----|------|-----|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 2 | 2 | | | | | | | | | | |
| CO2 | 3 | 3 | 2 | | | | | 2 | | | | |
| CO3 | 2 | 3 | 3 | | | | | 3 | | | | |
| CO4 | 2 | 3 | 3 | | | | | 2 | | | | |
| AVG | 2.25 | 2.75 | 2.67 | | | | | 2.33 | | | | |
| OVERALL MAPPING | | | | | | | | | | | | 2.5 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|-----|------|------|------|-----|-----|-----|-----|------|-----|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | | 1.27 | 1.27 | | | | | | | | | | |
| CO2 | | 2.11 | 2.11 | 1.41 | | | | | 1.41 | | | | |
| CO3 | | 1.44 | 1.44 | 2.16 | | | | | 2.16 | | | | |
| CO4 | | 1.41 | 1.41 | 2.13 | | | | | 1.41 | | | | |
| AVG | | 1.27 | 1.27 | 1.89 | | | | | 1.89 | | | | |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.58 |

Radhika T.N.

Course Instructor

Prakash Kumar

HOD
 Dept. of Civil Engineering
 SIET, TUMKUR - 6

Principal

PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING AND TECHNOLOGY
 TUMKUR - 572106.

| Academic year | 2023-24 | | SEM | | V01 | Total strength | | | Subject | | | | CVR | | | | | | | | | | No. of students CO | | | | | |
|---------------|----------------|----------------|----------------|----------------|-----|--------------------------|-----|-----|---------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|----------------------|------|------|--------------------|------|------|------|------|------|
| | IA TEST (0000) | IA TEST (0000) | IA TEST (0000) | IA TEST (0000) | | ASSIGNMENT / QUIZ (0000) | | | | SEX MARKS (00) | | | | | | | | | | Total C/o ATTAINMENT | | | | | | | | |
| Module / C/O | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 | CO12 | CO13 | CO14 | CO15 | CO16 | CO17 | CO18 | CO19 | CO20 |
| URS | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 | CO12 | CO13 | CO14 | CO15 | CO16 | CO17 | CO18 | CO19 | CO20 |
| ISV19CV000 | 23 | 23 | 9 | 10 | 29 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV001 | 26 | 26 | 11 | 12 | 23 | 13 | 13 | 26 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV002 | 18 | 18 | 8 | 9 | 17 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV003 | 0 | 0 | 15 | 15 | 30 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV004 | 23 | 23 | 15 | 15 | 30 | 10 | 11 | 21 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV005 | 20 | 20 | 15 | 15 | 30 | 4 | 5 | 9 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV006 | 22 | 22 | 12 | 12 | 24 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV007 | 22 | 22 | 12 | 12 | 24 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV008 | 26 | 26 | 15 | 15 | 30 | 13 | 13 | 26 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV009 | 23 | 23 | 15 | 15 | 30 | 11 | 12 | 23 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV010 | 30 | 30 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV011 | 9 | 9 | 9 | 10 | 19 | 10 | 10 | 20 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV012 | 13 | 13 | 15 | 15 | 30 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV013 | 16 | 16 | 14 | 14 | 28 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV014 | 15 | 15 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV015 | 17 | 17 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV016 | 30 | 30 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV017 | 27 | 27 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV018 | 19 | 19 | 13 | 13 | 26 | 14 | 14 | 28 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV019 | 30 | 30 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV020 | 11 | 11 | 15 | 15 | 30 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV021 | 18 | 18 | 7 | 9 | 16 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV022 | 30 | 30 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV023 | 23 | 23 | 15 | 15 | 30 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV024 | 26 | 26 | 15 | 15 | 30 | 18 | 15 | 33 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV025 | 18 | 18 | 10 | 10 | 20 | 11 | 12 | 23 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV026 | 30 | 30 | 10 | 11 | 21 | 14 | 13 | 27 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV027 | 30 | 30 | 15 | 15 | 30 | 15 | 14 | 29 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV028 | 12 | 12 | 10 | 10 | 20 | 11 | 12 | 23 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV029 | 19 | 19 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV030 | 30 | 30 | 9 | 10 | 19 | 14 | 15 | 29 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV031 | 16 | 16 | 9 | 10 | 19 | 14 | 15 | 29 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV032 | 17 | 17 | 9 | 10 | 19 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV033 | 17 | 17 | 9 | 10 | 19 | 15 | 17 | 32 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV034 | 23 | 23 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV035 | 0 | 0 | 15 | 15 | 30 | 7 | 8 | 15 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV036 | 9 | 9 | 11 | 11 | 22 | 12 | 12 | 24 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ISV19CV037 | 20 | 20 | 15 | 15 | 30 | 15 | 15 | 30 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |

Course In-charge
[Signature]
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 Dept. of Civil Engineering
 SIET, TUMKUR - 6.

[Signature]
 PRINCIPAL
 SIET., TUMAKURU.

Principal

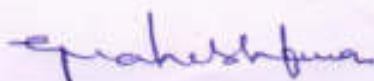
DEPARTMENT OF CIVIL ENGINEERING

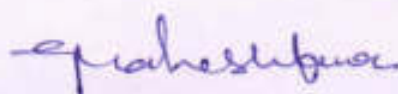
| | | | |
|---------------|--------------------------------|----------|---------------------|
| Academic Year | :2021-22 (Even Sem) | Faculty | Dr. G. Mahesh Kumar |
| Subject | :Rehabilitation & Retrofitting | Semester | : 8 |
| Code | :18CV824 | | |

| COURSE OUTCOMES | |
|-----------------|---|
| CO1 | Identify the causes for structural (Concrete) deterioration. |
| CO2 | Assess the type and extent of damage and carry out damage assessment of structures through various types of tests |
| CO3 | Recommend maintenance requirements of the buildings and preventive measures against influencing factors. |
| CO4 | Select suitable material and suggest an appropriate method for repair and rehabilitation |

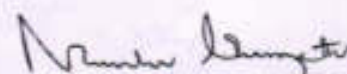
| CO PO MAPPING | | | | | | | | | | | | |
|-----------------|-----|------|-----|-----|-----|------|------|-----|------|------|------|------|
| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 1 | | | 1 | 2 | | 2 | | 3 | | 1 | 1 |
| CO2 | 2 | 1 | | 1 | 2 | 1 | 1 | | 2 | 1 | 2 | 1 |
| CO3 | 2 | | | 1 | 2 | 1 | 1 | | 2 | 1 | 2 | 2 |
| CO4 | 3 | | | 1 | 2 | 1 | 1 | | 2 | 1 | 2 | 2 |
| AVG | 2 | 0.25 | | 1 | 2 | 0.75 | 1.25 | | 2.25 | 0.75 | 1.75 | 1.5 |
| OVERALL MAPPING | | | | | | | | | | | | 1.7 |

| CO PO ATTAINMENT | | | | | | | | | | | | | |
|--------------------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|
| | CO% | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 | 72.9 | 0.72 | 0.01 | | 0.72 | 1.4 | | 1.4 | | 1.4 | | 0.72 | 1.72 |
| CO2 | 74.7 | 1.4 | 0.74 | | 0.71 | 1.49 | 0.4 | 0.74 | | 1.49 | 0.74 | 1.49 | 0.74 |
| CO3 | 109 | 2.1 | | | 1.09 | 2.18 | 1.09 | 1.09 | | 2.18 | 1.09 | 2.18 | 2.18 |
| CO4 | 69 | 2.07 | | | 0.69 | 1.3 | 0.69 | 0.69 | | 1.38 | 0.69 | 1.64 | 1.38 |
| AVG | | 1.62 | 0.19 | | 0.81 | 1.63 | 0.84 | 1 | | 1.63 | 0.84 | 1.44 | 1.26 |
| OVERALL ATTAINMENT | | | | | | | | | | | | | 1.2 |


 Course Instructor



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 SHRIDEVI INSTITUTE OF
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 TUMKUR - 572105.

ACADEMIC 2021-22 (EVEN)

SEM: VII CIVIL

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|------|-------|------|------|
| 43.8 | 59.57 | 103 | 56.3 |
| 78.1 | 76.6 | 131 | 81.3 |
| 75 | 55.32 | 75 | 68.8 |
| 75 | 70.21 | 78.1 | 68.8 |
| 78.1 | 82.98 | 68.8 | 71.9 |
| 78.1 | 85.11 | 90.6 | 59.4 |
| 90.6 | 87.23 | 138 | 68.8 |
| 56.3 | 78.72 | 138 | 82.5 |
| 90.6 | 91.48 | 109 | 59.4 |
| 90.6 | 85.11 | 131 | 84.4 |
| 84.4 | 87.23 | 128 | 78.1 |
| 59.4 | 59.57 | 116 | 53.1 |
| 71.9 | 74.47 | 90.6 | 68.8 |
| 81.3 | 85.11 | 122 | 65.6 |
| 78.1 | 68.09 | 93.4 | 78.1 |
| 68.8 | 65.96 | 113 | 68.8 |
| 90.6 | 91.49 | 134 | 68.8 |
| 93.8 | 91.49 | 138 | 81.3 |
| 81.3 | 82.98 | 113 | 71.9 |
| 87.5 | 87.23 | 128 | 71.9 |
| 65.6 | 72.34 | 100 | 46.9 |
| 68.8 | 72.34 | 113 | 62.5 |
| 62.5 | 72.34 | 100 | 71.9 |
| 75 | 72.34 | 119 | 68.8 |
| 81.3 | 78.72 | 100 | 71.9 |
| 81.3 | 78.72 | 103 | 68.8 |
| 81.3 | 85.11 | 116 | 68.8 |
| 78.1 | 76.6 | 119 | 81.3 |
| 81.3 | 74.47 | 125 | 81.3 |
| 68.8 | 74.47 | 118 | 65.6 |
| 31.3 | 51.06 | 113 | 68.8 |
| 71.9 | 65.83 | 90.6 | 68.8 |
| 53.1 | 61.7 | 106 | 62.5 |
| 75 | 74.47 | 87.5 | 56.3 |
| 68.8 | 59.57 | 96.9 | 71.9 |
| 34.4 | 38.3 | 109 | 65.6 |
| 56.3 | 70.21 | 103 | 81.3 |
| 81.3 | 87.23 | 128 | 71.9 |
| 1769 | 2830 | 4125 | 2622 |
| 38 | 38 | 38 | 38 |
| 72.9 | 74.47 | 109 | 69 |

prakashpumar

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Principal

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