PAAVAI ENGINEERING COLLEGE , AUTONOMOUS DEPARTMENT OF CIVIL ENGINEERING CO ATTAINMENT / BATCH 2020-2024

| Sem | Course code | Course Name | | Target | CO1 | CO2 | CO3 | CO4 | CO5 |
|-----|----------------|-------------|--|--------|-------|-------|------|------|------|
| Ι | C101 | MA20101 | Matrices and Calculus | 60 | 61.64 | 57.60 | 63.6 | 62.1 | 48.5 |
| | C102 | EN20101 | English Communication Skills I | 60 | 67.50 | 59.10 | 60.1 | 75.3 | 64.6 |
| | C103 | PH20101 | Engineering Physics | 60 | 77.5 | 73.38 | 63.4 | 57.8 | 48.6 |
| | C104 | CH20101 | Engineering Chemistry | 60 | 65.41 | 68.60 | 64.8 | 62.5 | 69.8 |
| | C105 | EE20101 | Basic Electrical Engineering | 60 | 53.32 | 54.36 | 52.1 | 63.4 | 57.8 |
| | C106 | ME20101 | Engineering Graphics Laboratory | 60 | 78.25 | 86.36 | 74 | 74 | 36 |
| п | C107 | MA20201 | Complex Variables and Differential Equations | 60 | 79.4 | 75.85 | 62.1 | 58.9 | 69.2 |
| | C108 | EN20201 | English Communication Skills II | 60 | 73.50 | 70.50 | 75.6 | 72.9 | 61.8 |
| | C109 | PH20203 | Material Science | 60 | 59.59 | 51.52 | 59.8 | 68.6 | 61.3 |
| | C110 | CH20202 | Industrial Chemistry | 60 | 58.48 | 58.84 | 71.6 | 75.7 | 68.9 |
| | C111 | ME20201 | Engineering Mechanics | 60 | 68.60 | 74.50 | 53 | 52 | 50 |
| | C112 | CS20201 | Programming in Python | 60 | 54.25 | 51.54 | 56 | 58 | 56 |
| | C113 | GE20201 | Engineering Practices Laboratory | 60 | 52.4 | 61.6 | 53 | 60 | 52 |
| ш | C201 | MA20301 | Transforms and Boundary Value Problems | 60 | 66.47 | 71.30 | 73.8 | 70.1 | 68.9 |
| | C202 | CE20301 | Engineering Geology | 60 | 76.70 | 74.40 | 63.2 | 60.1 | 59.8 |
| | C203 | CE20302 | Plane and Geodetic Surveying | 60 | 69.1 | 58.65 | 65.9 | 70.4 | 60.5 |
| | C204 | CE20303 | Construction Materials, Techniques and Practices | 60 | 65.7 | 63.77 | 65.9 | 67.3 | 57.2 |
| | C205 | CE20304 | Fluid Mechanics | 60 | 76.6 | 74.36 | 72.5 | 68.4 | 61.6 |
| | C206 | MC20301 | Value Education | 60 | 64.4 | 56.92 | 41.2 | 40.9 | 39.1 |
| | C207 | CE20305 | Construction Materials Laboratory | 60 | 64.4 | 55.64 | 66.2 | 78.1 | 68.3 |
| | C208 | CE20306 | Plane and Geodetic Surveying Laboratory | 60 | 74.75 | 66.18 | 42 | 53 | 63 |
| | C209 | EN20301 | English Proficiency Course Laboratory | 60 | 73.40 | 77.50 | 70.2 | 61.9 | 61.9 |
| | C210 | MA20404 | Numerical Methods | 60 | 75.8 | 78.80 | 40 | 55 | 62 |
| | C211 | CE20401 | Strength of Materials | 60 | 64.45 | 62.29 | 75.8 | 73.6 | 71.4 |
| | C212 | CE20402 | Highway Engineering | 60 | 55.23 | 56.75 | 66.9 | 62.3 | 60.8 |
| | C213 | CE20403 | Applied Hydraulic Engineering | 60 | 54.34 | 58.12 | 42.9 | 57.8 | 61.4 |
| IV | C214 | CE20404 | Water Supply Engineering | 60 | 75.4 | 53.45 | 70.1 | 68.9 | 74.6 |
| | C215 | MC20401 | Environmental Science and Engineering | 60 | 76.40 | 75.29 | 70.1 | 68.5 | 71.2 |
| | C216 | CE20405 | Strength of Materials Laboratory | 60 | 76.4 | 81.57 | 62 | 60 | 62 |
| | C217 | CE20406 | Hydraulic Engineering Laboratory | 60 | 80.8 | 81.09 | 53 | 62 | 58 |
| | C218 | CE20407 | Highway Engineering Laboratory | 60 | 89.6 | 86.55 | 57.5 | 54 | 53 |
| | C301 | CE20501 | Structural Analysis -I | 60 | 84.3 | 76.54 | 67.7 | 70.1 | 69.8 |
| | C302 | CE20502 | Soil Mechnaics | 60 | 78.5 | 76.55 | 51 | 75 | 75 |
| | C303 | CE20503 | Design of Reinforced Cement Concrete Structures | 60 | 85.2 | 84.67 | 77.3 | 67.2 | 60.4 |
| v | C304 | CE20504 | Waste Water Engineering | 60 | 85.6 | 76.52 | 70.1 | 68.5 | 71.2 |
| | C305 | CE20151 | Concrete Technology | 60 | 84.3 | 83.4 | 62.1 | 58.9 | 69.2 |
| | C306 | CE20251 | Construction Planning and Scheduling | 60 | 87.3 | 85.25 | 75.6 | 72.9 | 61.8 |
| | C307 | CE20505 | Soil Mechanics Laboratory | 60 | 74.6 | 78.54 | 59.8 | 68.6 | 61.3 |
| | C308 | CE20506 | Water and Waste Water Analysis Laboratory | 60 | 81 | 79.22 | 70.1 | 68.9 | 74.6 |
| | C309 | EN20501 | Career Development Laboratory I | 60 | 80.7 | 78.43 | 71.2 | 69.2 | 61.8 |
| VI | C310 | CE20601 | Structural Analysis – II | 60 | 84.1 | 75.45 | 72.6 | 76.6 | 73.4 |
| | C311 | CE20602 | Foundation Engineering | 60 | 75.1 | 69.12 | 84.2 | 70.1 | 68.7 |
| | C312 | CE20603 | Railways, Airports and Harbour Engineering | 60 | 86.6 | 80.12 | 76.9 | 78.9 | 74.5 |
| | C313 | CE20604 | Design of Steel Structures | 60 | 81.5 | 80.76 | 67 | 63.2 | 60.1 |
| | C314 | CE20353 | Municipal Solid Waste Management | 60 | 81.4 | 79.87 | 59.3 | 70 | 70 |
| | C315 | CE20605 | Building and Structural Drawing | 60 | 76.1 | 72.54 | 57 | 61 | 64.2 |
| | C316 | CE20606 | Survey Camp | 60 | 82.6 | 80.32 | 65.2 | 70.1 | 68.5 |

| | C317 | EN20601 | Career Development Laboratory II | 60 | 81.1 | 79.12 | 70 | 62.1 | 58.9 |
|------|------|---------|--|----|------|-------|------|------|------|
| VIII | C401 | BA20151 | Enterpreneurship Development | 60 | 74.2 | 72.37 | 51.8 | 42.3 | 68.9 |
| | C402 | CE20701 | Estimation, Costing and Valuation Engineering | 60 | 79.4 | 86.23 | 62.1 | 48.5 | 69.2 |
| | C403 | CE20702 | Irrigation Engineering | 60 | 89.7 | 76.43 | 61.4 | 53.1 | 68.6 |
| | C404 | CE20451 | Prestressed Concrete Structures | 60 | 76.2 | 78.15 | 62.8 | 75.6 | 72.9 |
| | C405 | CE20703 | Irrigation and Engineering Environmental | 60 | 81.6 | 80.35 | 75.3 | 64.6 | 80.1 |
| | C406 | CE20704 | Summer Training | 60 | 72.9 | 79.8 | 67.7 | 68 | 67.9 |
| | C407 | CE20705 | Mini Project | 60 | 69.6 | 75.2 | 55 | 53 | 68.2 |
| VIII | C408 | CE20801 | Construction Management | 60 | 70.0 | 80.2 | 57.5 | 56.9 | 65 |
| | C409 | CE20551 | Prefabricated Structures | 60 | 71.2 | 71 | 63.6 | 55.3 | 62 |
| | C410 | CE20652 | Maintenance, Repair And Rehabilitation of Structures | 60 | 78.1 | 72.3 | 58 | 64 | 67.3 |
| | C411 | CE20802 | Project Work | 60 | 68.9 | 69.45 | 56.7 | 57.5 | 61.2 |

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