

THIAGARAJAR COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

PERCENTAGE OF REVISION OF M.E. STRUCTURAL ENGINEERING CURRICULUM 2014-2015 ONWARDS

| | | Curriculum 2011-2012 | | | | Curriculum 2014-2015 | |
|---------|---------------------|---|----------------|--------------------------|-----------|----------------------|---|
| Sl. No. | Course Code | Course Name | Change Details | % of Change | weightage | Course Code | Course Name |
| 1 | J11 | Applied Mathematics | | 15 | 0.15 | 15SE110 | Applied Mathematics |
| 2 | J12 | Design of Concrete Structures | | 10 | 0.1 | 15SE120 | Design of Concrete Structures |
| 3 | J13 | Structural Mechanics | | 10 | 0.1 | 15SE130 | Structural Mechanics |
| 4 | J14 | Theory of Elasticity and Plasticity | | 10 | 0.1 | 15SE140 | Theory of Elasticity and Plasticity |
| 5 | J15 | Prestressed Concrete | | 10 | 0.1 | 15SE150 | Prestressed Concrete |
| 6 | J16 | Computer Aided Design | | 10 | 0.1 | 15SE160 | Computer Aided Design (Lab) |
| 7 | J21 | Structural Dynamics | | 10 | 0.1 | 14SE210 | Structural Dynamics |
| 8 | J22 | Finite Element Analysis | | 10 | 0.1 | 14SE220 | Finite Element Method in Structural Engineering |
| 9 | J27 | Seminar | | 10 | 0.1 | 14SE270 | Seminar |
| 10 | J31 | Design of Steel Concrete Composites Structures | | 20 | 0.2 | 14SE310 | Design of Steel Concrete Composites Structures |
| 11 | J34 | Project Phase I | | 10 | 0 | 14SE340 | Project Phase I |
| 12 | J41 | Project Phase II | | 10 | 0.1 | 14SE410 | Project Phase II |
| | Laboratories | | | | | Laboratories | |
| 13 | J17 | Concrete Technology and Structural Engineering Laboratory | | 10 | 0.1 | 15SE170 | Concrete Technology & Structural Engineering Laboratory |
| | Electives | | | | | Electives | |
| 14 | JA | Structural Steel Design | | 25 | 0.25 | 14SEPP0 | Structural Steel Design |
| 15 | JB | Design of Bridges | | 10 | 0.1 | 14SEPB0 | Bridge Engineering |
| 16 | JC | Experimental Techniques and Instrumentation | | 10 | 0.1 | 14SEPH0 | Experimental Techniques and Instrumentation |
| 17 | JD | Industrial Structures | | 10 | 0.1 | 14SEPL0 | Industrial structures |
| 18 | JE | Earthquake Engineering | Removed | | 0 | | |
| 19 | JF | Repair and Rehabilitation of Structures | Removed | | 0 | | |
| 20 | JG | Disaster mitigation and management | | 10 | 0.1 | 14SEPF0 | Disaster mitigation and management |
| 21 | JH | Shell Structures | Removed | | 0 | | |
| 22 | JJ | Structural optimization | Removed | | 0 | | |
| 23 | JK | Theory of plates | | 10 | 0.1 | 14SEPQ0 | Theory of Plates |
| 24 | JL | Foundation Design | | 10 | 0.1 | 14SEPN0 | Structural Design of Foundation |
| 25 | JM | Engineering Fracture mechanics | | 10 | 0.1 | 14SEPK0 | Fractures mechanics |
| 26 | JN | Construction planning , Scheduling and man | Removed | | 0 | | |
| | | | New | 100 | 1 | 14SEPA0 | Aseismic Design of structures |
| | | | New | 100 | 1 | 14SEPC0 | Computational methods in structural analysis |
| | | | New | 100 | 1 | 14SEPD0 | Concrete Mechanics |
| | | | New | 100 | 1 | 14SEPE0 | Design of shell Structures |
| | | | New | 100 | 1 | 14SEPG0 | Durability of concrete structures |
| | | | New | 100 | 1 | 14SEPJ0 | Forensic Engineering and Rehabilitation of Structures |
| | | | New | 100 | 1 | | Value Engineering |
| | | | | Total Weightage | 9.3 | | |
| | | | | Total Change in % | 35.769 | | |