

.....Innovations simplified

## **CHENNAI–PONDICHERRY**

### **CIVIL PROJECT TITLE LISTS 2020-2021**

### **RCC Designing Projects**

- 1. Design and analysis of multi-storied Commercial building
- 2. Design of residential apartments
- 3. Design of R.C.C over Head Tank
- 4. Designing and Planning of Auditorium
- 5. Design and analysis of Multistoried Residential Building
- 6. Analysis & Design of a Residential Villa
- 7. Economical Building Design(Low Cost House)
- 8. Gated Community Planning & Design
- 9. Green Buildings Design & Construction
- 10. Duplex House with solar panels Analysis and Design
- 11. RMC Plant Construction & Design
- 12. R.C.C Bridge slab design
- 13. Flat slabs design
- 14. Pile foundation design
- 15. Design of under-reamed pile in black cotton soils
- 16. Raft foundation design
- 17. Analysis & Designing of columns with lateral loads (beam-columns)
- 18. RCC Portal frame design



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- 19. RCC shear wall design
- 20. Design for torsion in beams.
- 21. Design of pile caps
- 22. Design of domes
- 23. Design of circular slabs
- 24. Seismic design of joints in Rcc buildings
- 25. Design of RCC pipes
- 26. Cantilever Retaining wall design
- 27. Gravity Dam Design
- 28. Rcc chimney Design
- 29. Rcc Culvert Design
- 30. Rcc truss Design
- 31. Rcc poles Design
- 32. Planning and designing of a cinema theatre
- 33. Design requirements and construction of buildings in seismic zones

### **Steel Designing projects**

- 1. Steel bridge girders analysis and design
- 2. Steel water tank design and analysis
- 3. Steel T.V towers design
- 4. Steel grillage foundation design



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- 5. Design of Industrial roofs
- 6. Design of steel railway truss girder bridge

### Prestressed concrete structures design

- 1. Prestressed concrete slab design (PT slab)
- 2. Prestressed concrete bridge girder design

#### **STAAD PRO/E-TAB Based Projects**

- 1. Residential Buildings
- 2. Commercial Buildings
- 3. Water Tanks
- 4. Industrial Buildings
- 5. Prestressed concrete slab design (PT slab)

### **Transportation Engineering**

- 1. Flexible Pavement Design
- 2. Rigid Pavement Design
- 3. Geo textiles and their applications
- 4. Highway and their Maintenance
- 5. Pavement Design by Using Geo textiles
- 6. Use of Discrete Fiber in Road Construction
- 7. Stabilization of Sub grade using Geo textiles





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- 8. Pavement Evaluation and applications of Geo textiles in Pavements
- 9. Accident Prone area For Hyderabad City
- 10. Design of Flexible and Rigid using Fly ash as a Stabilizing Materials
- 11. Pavement Surface Unevenness Evaluation
- 12. Geo synthetics in Construction of Roads
- 13. Traffic analysis and Pavement Evaluation

### **Environmental Engineering**

- 1. Drinking water standards, testing and treatment.
- 2. Water distribution system design for a village
- 3. Sewage Treatment Plant Design For a City
- 4. Solid waste management
- 5. Design of sedimentation tank

#### **Construction & Estimation Projects**

- 1. Construction & estimations of Commercial Building
- 2. Construction& estimations of High Raised Building
- 3. Pavements Case Study
- 4. Gated Community estimation Costing& Construction
- 5. Causes Prevention and Repair of Cracks in Building.

#### **Concrete technology**

- 1. Concrete mix designing with Indian and internal codes.
- 2. Fiber reinforced concrete





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3. Green concrete

### **Geotechnical engineering**

1. Stress strain characteristics of cohesive soils at different moisture conditions

#### Water resources engineering

- 1. Earthen dam Designing
- 2. Gravity dam Designing
- 3. Design of irrigation canal and comparison of irrigation system