Er. S. Selva Bharathy, M.E.,

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DOB : November 02nd, 1993.
Vision : Connect Learning to Real World for Intellectual growth.

Education

2016 – 2018	**College of Engineering, Guindy.** **Anna University, Chennai.** M.E., Structural Engineering. CGPA : 9.63
2011 – 2015	**Government College of Technology, Coimbatore.** B.E., Civil Engineering. CGPA : 9.20 (Gold Medallist)

Career

From 2020	**Tamil Nadu Water Resources Department** **Assistant Engineer** • Successfully handled Government projects in Cauvery Delta Region. • Involvement in Public Welfare Oriented activities. • Successful submission of Detailed Project Report for TNIAMP Phase IV project in Cauvery Delta. • Carried out field investigation for improvement of irrigation infrastructure of Vennar System under Extension, Renovation and Modernisation in Cauvery Sub Basin.
2019-2020	Chennai Metropolitan Water Supply and Sewerage Board Assistant Engineer

Area of Interest

- **Strength of Materials**
- **Structural Analysis**
- **Geotechnical and Foundation Engineering**
- **Design of Reinforced Concrete Structures**
- **Design of Steel Structures**

Research Area

Partial Replacement of Coarse Aggregate by Plastic in Concrete.	• Experimental investigation of concrete with partial replacement of LLDPE for its fresh and hardened properties. • Comparison of experimental test results of plastic replaced concrete and conventional concrete. • Determination of optimum % of LLDPE replacement for coarse aggregate in concrete.

Behaviour of Concrete Filled Steel Tube with different types of concrete infill.	• Experimental investigation of concrete filled steel tube with different types of concrete infill for axial compression and bond. • Comparison of experimental results with analytical P-values obtained as per Euro code - 4. • Study on effect of self-curing, stress strain characteristics and failure pattern of CFST.
Research Plans	
Concrete Filled Steel Tube	• Experimental investigation of CFST for flexure, torsion, axial compression and bending. • To analyse the effect of slenderness on load carrying capacity of CFST columns.
Advancement in Concrete Technology	• Carbon negative concrete structures for sustainable construction.

Skills

- Time management
- Project execution
- Effective Teaching

Courses

- AutoCAD
- Revit Architecture
- STAAD. Pro