



Faculty of Civil Engineering - Structural Consultancy Centre



Thiagarajar Polytechnic College established in 1958 has now become a premier institution in the country offering 9 diploma programmes in various disciplines of engineering and technology. The Institution has so far produced more than 50,000 technocrats occupying great positions in various reputed industries/organizations/institutions across the globe.

The institution has been bestowed with many noteworthy laurels and awards from various forums for its unmatched quality in all the spheres. The significant laurels include full term NBA accreditation for five diploma programmes for the third consecutive term, National Level AICTE-CII Mentor Award, National Level Best Polytechnic Principal Award, Best Polytechnic College Award by the Govt. of Tamil Nadu, International, National and State Awards to the students, faculty, etc.

Department of Civil Engineering

The department of Civil Engineering was established in 1958 and serves as one of the premier departments in the institution. The department is equipped with the state-of-the-art infrastructure, highly qualified and dedicated faculty. The alumni of the department of Civil Engineering serve in leading positions in various Government departments, Corporate Sectors and many of them have attained great heights as Entrepreneurs serving the society at large.

Structural Consultancy Centre

A new venture of the department is the Structural Consultancy Centre, which provides consultancy services in structural engineering and design structures that are approachable to the growing demands of the construction industry.

Services offered

- *Building Structural Design*
- *Steel Structure Design and Detailing*
- *Bridge Designs as per IRC and IS specifications*
- *Retaining wall design*
- *Culverts design*
- *Design of Pile Foundations*
- *Sewage Treatment Plant design*
- *Liquid Retaining Structures*
- *Structural Design & Drawings for Sumps*
- *Structural Design & Drawings for Overhead tanks*
- *Structural Design Proof Checking & Advisory Services and Vetting*
- *Soil Investigation at site and preparation of soil report*
- *Vetting of geotechnical Investigation report*



Our Expertise

- Concrete design including multi-storey buildings.
- Design of reinforced retaining walls.
- Steel roof trusses for large span industrial buildings.
- Major Bridges, Minor Bridges and Flyovers.
- Design of sump and Sludge treatment plant.
- Preparation geotechnical investigation reports and vetting of soil reports.
- Utilizing latest version analysis and design software like STAAD-Pro and e-tab etc.,
- Preparation of Schematic Drawings, General Arrangement Drawings, Detailing Concrete Dimension Drawings, Reinforcement Drawings, etc. using the latest version of AutoCAD.



Proof Checking of Structural Design and Drawings

- Review of tender documents and technical specifications adopted for the project.
- Scrutiny of Structural designs and drawings.
- Compliance with provisions of tender documents and technical specifications.
- Compliance with provisions of Geo technical Investigation report.
- Compliance with provisions of specific design standards
- Conformity between design calculations and drawings.
- Detailing, clarity of details and drawing content with respect to ease of execution on site.
- Site visits to check the quality of construction.



Projects issued Geotechnical investigation reports

- Multi Storeyed Building for Salem Corporation
- Apartment Building for Salem Corporation
- Micro compost centre for Tiruchengode Municipality
- Multi storeyed Apartment Building for M/s. Varma Construction Pvt., Ltd.,
- Godown Building for M/s. Arthanari Loom Center Textile Pvt., Ltd.,
- Sri Brindavan Apartment for M/s. Pugal Associates
- Office Complex Building for M/s. Professional Couriers
- AMPHI Theatre for M/s. Bharat Petroleum Corporation Ltd.,
- Sai International Public School(CBSE) for M/s. Komarapalayam Sri Sai Trust
- KPM ThirumanaMandapam for Managing Trustee
- MGM Public School for Managing Trustee
- Commercial Building for M/s. Shri Coimbatore Jewelers India Private Ltd.,
- Commercial Building for Nexa Service Centre
- AMMA Thirumanamandapam for Swarnapuri Co-operative Building Society Ltd.,
- Auditorium Building for Vidyamandir Higher Secondary School
- NSK Vaishnavi Smart Matriculation School
- Jayalaxmi Cinema Theatre Building
- Indigo warping Industrial Building for M/s. Arthanari Loom Center Textile Pvt., Ltd.,
- Child Wellness Centre for M/s. Sharon Medical Charitable Trust
- School Building for M/s. SRK Educational Trust
- Apartment Building for M/s. SriBalaji Associates
- Effluent Treatment Plant for M/s. Arthanari Loom Center Textile Pvt., Ltd.,



Our Valuable Clients



Creating Your Vision with Our Expertise...

Experts in Structural Engineering

Mr. S. Loganathan
HoD/Civil

30 years of experience in various fields of Civil Engg. viz., Structural Analysis, Design and Proof checking of structural design and drawings.

Mr. P. Venugopal
Lecturer (Sr.Gr.)/Civil

25 years of experience in construction, Architectural & Structural drawing verification and project management of works.

Ms. G. Vairamani
Lecturer/Civil

12 years of experience in Structural analysis and design and preparation of structural drawings.

Chief Co-ordinator

Dr. V. Karthikeyan, M.E., Ph.D., MCMII(UK), F.I.E.,
Principal

More than 30 years of experience in various fields of Civil Engineering and executed many research works in Environmental Engineering. Also, an expert in Proof checking of structural design and drawings.

Reach us at

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