



We EXPLORE!!!!

We capitalize on our cross-domain expertise in a broad range of Civil Engineering consulting disciplines to explore solutions that are technical, strategic and sustainable.



We Engineer!!!!

We integrate cutting-edge technologies and our own rich experience to deploy top-notch engineering practices and resources



We DELIVER!!!!

We are proponents of Total Quality Management, our top priority always being the time-bound delivery of a project while adhering to the highest requirements and standards.

Consultancy Works

- ❖ Preparation of Site layouts, plan layouts for all Civil Engineering Schematic drawings and design development.
- ❖ Preparation of floor plans, elevations, sections, schedules, 3D views, and renderings using Revit Architecture.
- ❖ Analysis & Design of structures using STAAD Pro, ETABS.
- ❖ Interior design
- ❖ 3D modeling using Revit Architecture
- ❖ Preparation of Structural Drawing and detailing for RCC and Steel buildings.
- ❖ Estimation, costing and valuation of proposed and existing structures.
- ❖ Design of water supply and sanitary systems
- ❖ Rain water harvesting – Design & Construction
- ❖ Water and waste water quality analysis
- ❖ Solid waste - composition and its analysis
- ❖ Land and topographical surveying using total station
- ❖ Soil investigation and report preparation.

The department of Civil Engineering undertakes industrial consultancy in the emerging areas and also conducts training programme using advanced softwares such as

- | | |
|-----------------------------|---------------------------|
| 👤 Revit Architecture | 👤 Quantity takeoff |
| 👤 STAAD Pro. | 👤 Primavera |
| 👤 ETABS | 👤 Rebar detailing |

We also undertake third party inspection for Infrastructure works sanctioned under various heads executed by different government agencies and municipal authorities.

For Testing, Consultancy and R&D works/needs contact:

Dr. G. Anusha

Professor & Head, Dept. Civil Engineering
Mob: 86677 69169 | hod_civil@kpriet.ac.in

Dr. K. S. Elango

Assistant Professor (SI.G)
Mob: 99429 20668

Mrs. B. S. Meenakshi

Assistant Professor (Sr.G)
Mob: 94865 93447

Mrs. R. Kavitha

Assistant Professor
Mob: 89399 28463

KPR Group



☎ 0422 - 2635600 🌐 www.kpriet.ac.in ✉ info@kpriet.ac.in



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407
+91 422 2635600 | info@kpriet.ac.in | www.kpriet.ac.in



About KPRIET

KPR Institute of Engineering and Technology (KPRIET), founded by Dr. K.P.Ramasamy, stands out as a leading institute of academic excellence by imparting technical, intellectual and professional skills to students. The institute, with its diverse and energetic community of students offers a distinguishing blend of some of the premium graduate, undergraduate and research programs, talented faculty, world class amenities and a residential campus set on a sprawling 150 acres of lush green campus. KPRIET offers a variety of inspiring atmosphere for academic growth, free thinking, and personal development, stimulating its students with lively learning opportunities and preparing them with the skills, insights, attitudes and hands-on experiences that are necessary to take up responsibilities in the society.

Department of Civil Engineering

About the Department

The Department of Civil Engineering of KPR Institute of Engineering and Technology, Coimbatore was established in the year 2009 with an annual intake of 60 students. In the year 2012, the annual intake was increased to 120. The Department has been elevated to its next pedestal by offering PG in Structural Engineering with an annual intake of 18. The Department has been recognized as a Research Centre for pursuing Ph.D in Civil Engineering by Anna University.

In addition to the regular academic activity, the Department also offers its services in the form of consultancy and testing to various Government Departments and private agencies. The quality of services provided by the Department is well acknowledged in the professional field.



Scope of Services

Tests on Cement:

- ❖ Specific gravity and fineness of cement
- ❖ Consistency, initial and final setting time of cement
- ❖ Soundness of cement
- ❖ Compressive strength of cement

Tests on concrete:

- ❖ Workability tests
- ❖ Compressive strength of concrete cubes
- ❖ Split tensile on concrete cylinders
- ❖ Flexural strength of concrete beams
- ❖ NDT test using Rebound hammer

Tests on Fine/Coarse Aggregate:

- ❖ Bulking of sand, Bulk density
- ❖ Sieve analysis
- ❖ Moisture content
- ❖ Specific gravity & water absorption
- ❖ Crushing strength on coarse aggregate
- ❖ Impact strength on coarse aggregate
- ❖ Abrasion test on coarse aggregate

Tests on Bricks/Blocks:

- ❖ Compressive strength of solid/hollow blocks
- ❖ Compressive strength of bricks

Tests on Bitumen:

- ❖ Flash & Fire point of bitumen
- ❖ Penetration test on bitumen
- ❖ Ductility of bitumen
- ❖ Quantification of percentage of bitumen used in road construction
- ❖ Viscosity testing

Tests on Structural elements:

- ❖ Flexural behaviour of Beams
- ❖ Seismic behaviour of beams, beam column joints under cyclic loading
- ❖ Axial compression behaviour of columns
- ❖ Flexural behaviour on panels/slabs

Tests on Soil:

- ❖ Index properties, Grain size distribution
- ❖ Standard and modified compaction characteristics
- ❖ Shear strength parameters
- ❖ Permeability values
- ❖ Consolidation characteristics
- ❖ California Bearing Ratio (CBR) value and determination of Safe Bearing Capacity (SBC)
- ❖ Soil investigation report with recommendations

Tests on Steel:

- ❖ Tensile strength, percentage elongation & other properties
- ❖ Bending test on steel

Tests on water:

- ❖ General drinking water parameters (Total dissolved solids, pH, Total Hardness, Electrical Conductivity, Alkalinity, Acidity, Chlorides, Fluorides, Sulphates, Dissolved oxygen, Residual Chlorine, nitrates, Iron) Sodium, Potassium, Calcium trace elements like lead, zinc, manganese, copper etc.,
- ❖ Waste water and industrial effluent analysis such as solids, dissolved oxygen (DO), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), trace elements etc.,

SECTORS WE EXPLORE

↳ Consultancy Works

- ❖ Concrete Mix Design
- ❖ Preparing Survey Drawings
- ❖ Design & Drawing
- ❖ Cost Estimation
- ❖ Tender Engineering
- ❖ Project Management Consultancy

↳ Testing facilities

- ❖ Tests on Cement
- ❖ Tests on Fine/Coarse Aggregate
- ❖ Tests on Concrete
- ❖ Tests on Steel
- ❖ Tests on Soil
- ❖ Tests on Water
- ❖ Tests on Bitumen

