Testing Services offered

Bitumen
- Softening Temp.
- Viscosity Grading
- Penetration Grading
- Ductility test
- Specific Gravity

Brick
- Absorption Test
- Crushing Strength
- Presence of salts

Timber
- Moisture Content

Cement
- Fineness test
- Compressive Strength
- Consistency
- Setting Time
- Soundness

Concrete
Fresh Concrete
- Slump Test
- Compacting Factor
- Flow Test
- Vee-Bee Consistometer

Hardened Concrete
- Compressive Strength
- Flexural Strength

Hydraulics
- Hydraulic Jump model
- Model testing for various hydraulic structures

Mortar
- Adhesiveness test
- Crushing Strength

Soil
- Index Properties
- CBR Test
- OMC
- Shear Strength
- Sieve Analysis
- Field Density
- Consolidation
- Soil Permeability

Stone
- Aggregate Impact
- Water Absorption
- Crushing Strength
- Angularity Number
- Los Angeles Abrasion
- Sieve Analysis

Water & Wastewater
- pH
- Electrical conductivity
- Turbidity
- Optimum Coagulant
- Dissolved Oxygen
- Nitrate/Phosphate
- BOD/COD

Sand
- Grading
- Water absorption
- Bulking of sand
- Specific Gravity

Steel
- Tensile Strength

Surveying
- Land Surveying using Total Station & GPS
- Ground Profile leveling with Auto Level

Traffic
- Traffic Surveys – Analysis
- Transportation Choice Modelling

Sri Venkateswara College of Engineering (SVCE)

Autonomous College & Affiliated to Anna University Chennai

Approved by AICTE, New Delhi

Sriperumbudur – 602 117, Kancheepuram District.

DEPARTMENT OF CIVIL ENGINEERING

Consultancy & Testing Services

(Web Page: https://www.svce.ac.in/departments/civil-engineering)

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About SVCE

SVCE is a unit of Sri Venkateswara Educational and Health Trust (SVEHT). The Trust was founded on 1 August 1985 at the behest and benign blessings of His Holiness Pujashree Kanchi Kamakoti Peedathipathi Sri Jayendra Saraswathi Swamigal. Dr. A. C. Muthiah, a renowned engineer, industrialist and philanthropist, is the Chairman of the Governing Council of the college. The college is in a 95 acre lush green Campus. It is housed in architecturally exquisite buildings with ample infrastructure such as classrooms, laboratories, libraries, sports arena, canteen, hostels, dispensary, bank etc.,

About the Department

The Department of Civil Engineering has started functioning from the year 2008, offering B.E. degree programme in Civil Engineering with the sanctioned intake of 30. During the academic year 2013-2014 intake has been increased to 60. At present, the department has ten faculty members having P.G. specialization in different areas of Civil Engineering such as Structural Engineering, Transportation Engineering, Construction Planning & Management, Water Resources Engineering, Geo-Technical, Engineering & Environmental Engineering.

Faculty Expertise

Dr. R. Kumutha	Structural Engineering
Dr. P. Venkateswara Rao	Applied Mechanics
Dr. M. Selvakumar	Transportation Engineering
Ms. Ruby Freya	Structural Engineering
Mr. G. Arun	Environmental Engineering
Mr. R. Mathiyazhagan	Environmental Engineering
Ms. K. SathyaPriya	Structural Engineering
Mr. S. Diravia Balan	Water Resources Engineering
Mr. R. Kalaivannan	Water Resources Engineering
Mr. S. Hariswaran	Geo-Technical Engineering

Testing Facilities

CONCRETE & HIGHWAY LAB

- UTM 1000 KN Capacity
- Flow Table
- Vee-Bee Consistometer
- Compaction Test Apparatus
- Slump Cone
- Los Angeles Machine
- CTM/2000 KN Capacity
- Ring & Ball Apparatus
- Penetrometer
- Ductility meter
- Std. Tar Viscometer
- Centrifuge Bitumen extractor

STRENGTH OF MATERIALS LAB

- Universal Testing Machine
- Compression Testing Machine
- Fatigue Testing Machine
- Torsion Testing Machine
- Impact Testing Machines
- Load Cell Using Load Indicator
- Spring Testing Machine
- Wood Testing Machine

FLUID MECHANICS LAB

- Francis/ Kaplan Turbine
- Pelton Wheel Turbine
- Buoyancy Apparatus
- Bernoulli's Apparatus
- Pitot Tube Apparatus
- Turbo Impulse Wheel Turbine
- Self Priming Pump
- Centrifugal Pump
- Boiler Feed Pump (multistage

ENVIRONMENTAL ENGINEERING LAB

- Digital pH meter
- Digital Conductivity meter
- Digital Calorimeter
- Digital Turbidity meter
- Digital BOD/COD Incubator
- Muffle Furnace
- Kjeldahl Apparatus
- Filtration assembly
- Jar Test Apparatus
- Chlorine Comparator with accessories
- Magnetic Stirrer with Hot plate

SOIL MECHANICS LAB

- Unconfined Compression Tester
- Laboratory Permeability Apparatus
- Proctor Compaction Apparatus
- Direct Shear Apparatus
- Tri-axle outfit
- Consolidation Apparatus (Gang)
- Liquid /Plastic Limit Apparatus
- Shrinkage Limit Apparatus
- Sieve Set (Fine Aggregate)
- Sand Pouring Cylinder Apparatus
- Hydrometer

SURVEYING LAB

- Electronic Total station
- Transit Theodolite with Tripod
- Auto Level with Tripod
- Handheld GPS
- Laser Distance meter
- Prismatic Compass with Tripod