ATME
College of Engineering

NABL

Consultancy & Material Testing Facility

NABL ACCREDITED LABORATORY

(For scope of Accreditation visit https://atme.edu.in/nabl)

Email: info@atme.edu.in | Website: www.atme.edu.in

Follow us on

13th Kilometer, Mysore - Kanakapura
Bangalore Road, Mysore - 570 028

TESTING | TECHNICAL CONSULTANT | RESEARCH ASSOCIATE | TRAINING

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering was established in 2011, offering an undergraduate program in Civil Engineering with an intake of 60 students. The UG program has been accredited by the National Board of Accreditation (NBA) for a period of three years, spanning two consecutive cycles. The department is equipped with state-of-the-art laboratories and facilities to support both research and consultancy activities. It has received funding of up to Rs. 20 lakhs from various Central and State Government agencies.

Additionally, the department is actively involved in consultancy projects, contributing to both academic and industry advancements. The department boasts a strong record of faculty and student publications, reflecting its commitment to academic excellence. Furthermore, it has established numerous Memorandums of Understanding (MoUs) with industry partners to bridge the gap between academia and industry, fostering enhanced collaboration and real-world application of knowledge.

NABL ACCREDITATION

NABL (National Accreditation Board for Testing and Calibration Laboratories) is an autonomous body under the Government of India that provides accreditation to testing and calibration laboratories. The accreditation signifies that the laboratory operates according to internationally recognized standards, specifically ISO/IEC 17025, which ensures the competence of the laboratory to perform specific testing or calibration activities. NABL is a full member to ILAC (International Laboratory Accreditation Cooperation) as well as APAC Mutual Recognition Arrangements (MRA). Such international arrangements facilitate acceptance of test / calibration results between countries to which MRA partners represent.

ATME College of Engineering is the first Engineering college in Mysuru and a very few Engineering colleges in Karnataka to get accredited by NABL in the fields of Building Materials, Soil and Rocks, Concrete and Reinforced Concrete Structure (NDT).

GEOTECHNICAL ENGINEERING LABORATORY

The Geotechnical engineering lab is equipped for soil testing. It conducts various experiments to analyze soil properties, compaction, permeability, shear strength, and bearing capacity. The lab plays a crucial role in assessing soil behavior for construction projects, foundation design, and geotechnical investigations.

Soil Testing Facility

- Moisture Content
- Water Absorption
- Specific Gravity (Pycnometer & Density Bottle)
- Free Swell Ratio
- Grain Size Analysis
- Sieve Analysis (Dry & Wet)
- Field Density Test
- Core Cutter
- Sand Replacement Method
- Compaction Test (MDD & OMC)
- Light Compaction
- Heavy Compaction
- Atterberg's Limits
- Direct Shear Test (Cohesion & Angle of Internal Friction)
- Unconfined Compressive Strength Test
- Laboratory Permeability Test
- Fine Grained Soil
- Coarse Grained Soil
- Laboratory C.B.R. Test ;
  - Light Compaction (Soaked & Unsoaked)
  - Heavy Compaction (Soaked & Unsoaked)

BUILDING MATERIAL TESTING LABORATORY

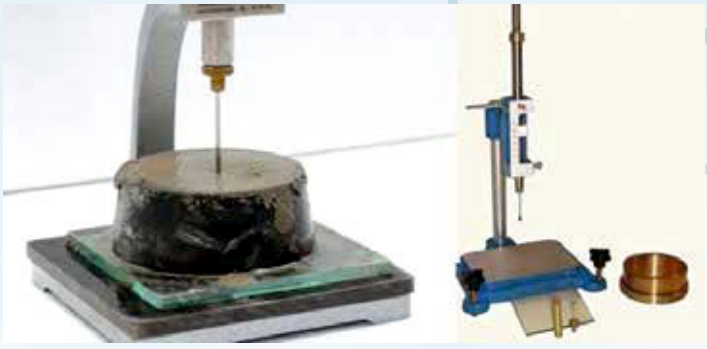
Building Material Testing Laboratory plays a crucial role in ensuring the quality, safety, and durability of construction materials. Among these, primary materials tested in the laboratory are cement, steel, and bricks, which are fundamental in the construction of buildings and infrastructure.

Cement Testing

- Normal Consistency Test
- Initial Setting Time
- Final Setting Time
- Fineness Test
- Soundness Le - Chatelier Expansion
- Compressive Strength

Brick Testing

- Physical Test:
  - Color
  - Soundness
  - Hardness
  - Size & Shape
- Crushing Strength Test
- Water Absorption Test



Steel Testing

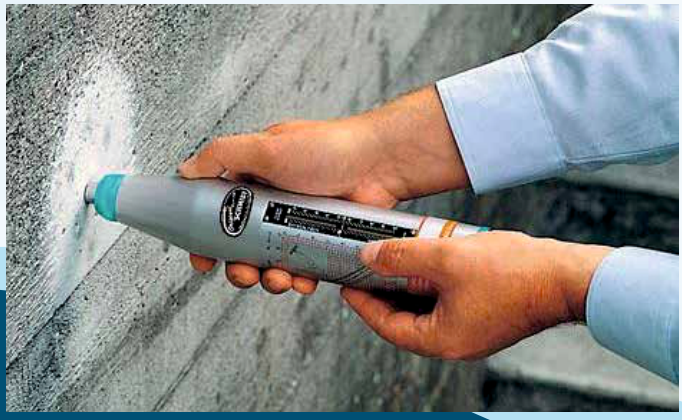
- Tensile Strength Test of Tor & M.S

CONCRETE & REINFORCED STRUCTURE TESTING LABORATORY

Concrete & Reinforced Structure Testing Lab typically focuses on assessing the quality, strength, and durability of concrete and reinforced concrete structures. The Laboratory ensure that construction materials meet the required safety standards and are suitable for their intended purposes as per Indian Standards. The testing lab also includes equipment's for casting and curing concrete, ensuring proper sample preparation.

Concrete & Reinforced Structure Testing

- Concrete Cube Compressive Strength
- Concrete Core Compressive strength
- Flexure Strength Test
- Split Tensile Strength
- Concrete Mix Design
- Concrete Paver Block Compressive Strength
- Concrete Paver Block Water Absorption
- Non-Destructive Test (NDT) - Rebound Hammer method



HIGHWAY MATERIAL TESTING LABORATORY

Highway Material Testing Laboratory focuses on testing and analyzing materials used in road construction, ensuring they meet the necessary standards for durability, safety and performance. The materials primarily include aggregates and bitumen, both of which are critical in the construction of highways and other road infrastructures.

Fine and Coarse Aggregate Testing

- Gradation Test
- Specific Gravity
- Material Finer Than 75 Micron
- Water Absorption
- Bulk Density & Voids
- Crushing Strength
- Los Angeles Abrasion Test
- Impact Strength
- Determination of Aggregate indices
- Angularity Number
- % Silt and Clay Content

Bitumen Testing

- Penetration Test
- Softening Point
- Viscosity Test
- Ductility Test

CONSULTANCY SERVICES

Consultancy services are vital for delivering reliable, safe, and cost-effective solutions across a wide range of engineering projects. ATMECE Consultancy service brings technical expertise in areas like structural design, geotechnical analysis, or transportation planning, ensuring that projects are handled with precision and according to best practices, while minimizing risks, costs, and delays.

GEOTECHNICAL ENGINEERING

- Various Ground Improvement Techniques
- Soil Investigation and Soil Testing for Obtaining the Strength and Stiffness Properties of Subsoil
- Determination of Safe Bearing Capacity of soil and recommendation for Foundation System
- Compaction Quality Control
- Earthwork: Quality Control Measures

STRUCTURAL ENGINEERING

- Proof Checking of Designs
- Feasibility Studies
- Design and analysis of multistoried RC and Steel Structures
- Quality Monitoring of Constructions

TRANSPORTATION ENGINEERING

- Flexible & Rigid Pavement Design
- Geometric Design of Pavement
- Overlays Design of Pavement
- Bituminous Mix Design

OUR PROUD CLIENTS

- Skill Tech Engineers and contractors pvt ltd Mysore.
- Mytech estate developer's builder's pvt limited Mysore.
- Bunts Sangha Mysore charitable trust (Regd).
- Citizen welfare society, Mysore.
- Ramakrishna house building co- operative society

ATME College of Engineering Mysuru, established in the year 2010 is approved by AICTE New Delhi and affiliated to Visvesvaraya Technological University Belagavi, Karnataka. Currently, 10 UG programs and 2 PG programs (MCA & MBA) are offered to students. ATMECE is re-accredited for 3 years by NBA for Civil Engineering, Electronics & Communication, Electrical & Electronics, and Mechanical Engineering Courses. Computer Science Course is accredited by NBA for 3 Years. ATMECE is an ISO 9001-2015 certified college and is awarded "The Best Emerging Private Engineering College in Karnataka" and "Most Promising Upcoming Private Engineering College in Karnataka" for two consecutive years. ATMECE has secured QS I-Gauge Gold Ranking. ATMECE has been listed as one of the "Swachh Institute of the Country in 2019-20". ATMECE is proud of achieving accreditation by NAAC with A+ grade and is one among seven engineering colleges in Karnataka and one of the 47 Engineering colleges at the national level granted with A+ in the very First Cycle. All the Departments in the Institute are recognized as research centers from VTU to pursue MS (Research) and Ph.D. The Institute has received more than 5 crores of external funding for various research & consultancy projects in the last 5 years. ATMECE has collaborated with more than twenty-five Industries and Institutes across the globe.

College Address

ATME College of Engineering
13th Kilometer, Mysore - Kanakapura - Bangalore Road, Mysore - 570 028
Karnataka
Phone: 0821 2954011

Trust Office Address

ATME College of Engineering
#2904, 2nd Floor, Kantha raja Urs Road, Next to Fire brigade,
Saraswathipuram, Mysuru - 570009
Phone: 94482 85648