

Department of Civil and Environmental Engineering

Syllabus for MS(R) and Ph.D Interview- Aug 2023 Notification

Structural Engineering

- Steel Structures
- Reinforced Concrete Structures
- Computational Mechanics

Composite materials/ Structures

- Durability of concrete structures
- Special concretes (3D printable concrete, high performance concrete etc.)
- Non-destructive testing of concrete structures
- Waste derived cementitious materials

Water Resources Engineering

- Groundwater Hydrology
- Water Resources Planning and Management
- Forest Hydrology

Transportation Engineering

- Traffic Engineering.
- Pavement Engineering

Environmental Engineering

- Advanced Water and Wastewater Treatment
- Air Quality Management
- Life Cycle Analysis

Geotechnical Engineering

- Soil Dynamics and Earthquake Geotechnics.
- Pavement Geotechnics.
- Ground Improvement.
- Geo-environmental Engineering
- Geoinformatics/Geomatics Remote Sensing.
- GIS