

Civil Engineering- Faculty Recruitment

Assistant Professor: The Department of Civil Engineering is looking for candidates with significant research work in the areas listed below. Candidates with outstanding academic records in other areas of Civil Engineering may also apply. The applicants must have BTech/BE in Civil Engineering.

❖ **Geotechnical Engineering**

1. Earthquake Geotechnical Engineering (Soil Dynamics)
2. Geo-environmental Engineering
3. Numerical Methods in Geomechanics
4. Pile foundations
5. Soil-Structure Interaction
6. Engineering Behaviour of Rocks (Rock Mechanics)

❖ **Structural Engineering**

1. Structural and System Reliability
2. Stochastic Structural Mechanics
3. Structural Health Monitoring
4. Earthquake Engineering
5. Concrete Durability

❖ **Hydraulics and water resources engineering**

1. Hydroclimatology, Climate Sciences and Modeling, High-Performance Computing in Climate Modeling
2. Remote Sensing and GIS
3. Computational fluid dynamics and Computational hydrology
4. Socioeconomic hydrology
5. Eco-hydrology
6. Field investigation of experimental watersheds, water resources system planning and management, agriculture water management
7. Experimental hydraulics

❖ **Environmental Engineering**

1. Atmospheric process chemistry (esp. beyond particulate matter)
2. Real-time air quality monitoring, assessment and control
3. Waste management (esp. e-waste, hazardous waste) and green chemistry
4. Climate Sciences and Modeling
5. High-Performance Computing in Climate Modeling

❖ **Transportation Engineering**

1. Traffic operations and management
2. Transport infrastructure planning and design
3. Pavement analysis and design
4. Pavement materials and Pavement management systems
5. Transport economics and finance
6. Rail transportation, Air transportation

❖ **Construction Technology and Management**

Associate Professor and Professor: Candidates with outstanding research records in any area of Civil Engineering may apply.
Interviews are expected to be in May/ June 2021.