Project title: Technical Textiles as Sustainable Building Materials for Various Structural, and Geotechnical Applications in Construction

Abstract:

The project will address the contribution of reinforcing elements and other components used in geo-synthetic reinforced soil/structures under static and dynamic loading and attempt to develop smart geo-synthetics for its structural health monitoring applications. Developing smart geo-synthetics can benefit understanding geo-synthetic material behaviour and infer the reinforced structures' integrity and long-term stability.

Objectives: Development of smart geosynthetics for infrastructure monitoring.