

Brief Contents of STCs 2018-19

Operational Plan Number	RD-8
Name of the Course	Affordable Housing for Earthquake Prone Areas
Introduction and Objectives of the Course	<p>Sustainable development especially in construction sector, in disaster prone areas is an important theme at local, regional and global scales and it requires multidisciplinary and cross-sectoral cooperation. Various disasters like earthquake, landslides, volcanic eruptions, fires, flood and cyclones are natural hazards that kill thousands of people and destroy habitat and property worth billions of dollars each year. The rapid growth of the world's population and its increased concentration often in hazardous environment has escalated both the frequency and severity of natural disasters. With the tropical climate and unstable land forms, coupled with deforestation, unplanned growth proliferation, non-engineered constructions which make the disaster-prone areas mere vulnerable. Tardy communication, poor or no budgetary allocation for disaster prevention, developing countries suffer more or less chronically by natural disasters. At present, engineers and builders are giving much emphasis on making the buildings but a few efforts have been made to make them disaster safe. The only solution to minimize the risk from natural disaster is awareness and preparedness. So there is a great need to acquaint the faculty of polytechnics and engineering colleges with the knowledge of natural and manmade disasters and their effects.</p>
Course Contents	<ul style="list-style-type: none"> ➤ Basic knowledge of Earthquakes ➤ Planning and preparedness ➤ Rapid construction practices in disaster prone areas ➤ Mode of failures of buildings ➤ Remedial measures ➤ Investigation of buildings after disaster ➤ Special design consideration
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