

Subject Description Form

Subject Code	CSE40482
Subject Title	Disaster Control and Management
Credit Value	3
Level	4
Pre-requisite / Co-requisite/ Exclusion	Exclusion: CSE482 Disaster Control and Management
Objectives	This subject aims to review the nature and consequence of natural and manmade disasters, and corresponding management and control regimes.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> understand basic terminologies and concepts in disaster management; distinguish between natural and human-made hazards; familiar with fundamental concepts of emergency management cycle; recognize the psychological impact of disaster and the need for effective management on victim psychology; understand disasters as disturbances in our environment that need to care for; critically review the appropriateness of disaster control and management for proper concern of the victims, communities and the people of the world as a whole.
Subject Synopsis/ Indicative Syllabus	<ol style="list-style-type: none"> <u>Introduction</u> What is a disaster? Historical review of different types of disasters and their management. Definitions. Disaster trends. <u>Hazards</u> Types of hazards. Natural and human-made hazards. Disasters and emergencies. Hazard identification and their characteristics. Hazard analysis. <u>Risk and Vulnerability</u> Risk and hazard. Likelihood and consequence. Risk evaluation. Risk acceptability. Vulnerability. <u>Management of Disasters</u> Modern disaster management. Team approach to disaster management. International disaster management. Model of victimization. <u>Psychological impact of Disasters</u> Factors affecting the perception of stress. Acute stress disorders. Post-traumatic stress disorders. Counselling and support of victims.

