

GUJARAT TECHNOLOGICAL UNIVERSITY
M E (Civil) CONSTRUCTION ENGINEERING AND MANAGEMENT

INTERDISIPLINARY ELECTIVES-I
DISASTER MANAGEMENT

Objectives:

To impart knowledge to prepare damage assessment of natural and manmade disasters.
To work out financing relief expenditures and distribution program. To prepare emergency management program.

Course content:

Disasters – Natures and extent of disasters, natural calamities such as earthquake, floods, drought volcanoes, forest, coasts hazards, landslides etc. Manmade disasters such as chemical and industrial hazards, nuclear hazards, fire hazards etc.

Damage Assessment Methods

Disaster Management – Financing relief expenditure, legal aspects, rescue operations.
Casually management, risk management.

Emergency Management programme – Administrative setup and organization. Hazard analysis, training of personnel, information management, emergency facilities and equipment necessary public awareness creation, preparation and execution of the emergency management programme.

Reference Books

1. Construction Engineering and Management – Seetharaman
2. CE&CR's Journals
3. NICMAR Publications
4. Different sites on internet on disaster management
5. Project Management – K Nagarajan – New Age International Ltd.