

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. Civil (Town and Country Planning) (Branch Code - 048)

Year – I (Semester – II) (W.E.F. January 2013)

1. MAJOR ELECTIVE – II

2) PLANNING FOR DISASTER MANAGEMENT (CODE: 1724804)

SR. NO.	COURSE CONTENT
1	<u>DISASTER:</u> Meaning, factors and significance, Characteristic, causes and effects of natural hazards viz. Drought, earthquake, flood and other hazards. Disaster profile of India – regional and seasonal, Scope and objectives of disaster mitigation, preparedness and response. Prerequisite for preparedness planning, action plans and procedure, models and checklists. Disaster response planning, roles and responsibilities of various agencies. Emergency operation support and management.
2	<u>PLANNING FOR DISASTER PRONE AREAS:</u> Vulnerability analysis, Land use planning and regulations, Temporary settlement and communications, development planning tasks at the pre-disaster and post-disaster stages. Shelter typology for different hazardous situations, Housing design and planning at pre and post disaster level.
3	<u>EMERGENCY CAMPS AND SHELTER:</u> Emergency camps, Vulnerability and low cost dwellings, Temporary and emergency shelter design at post disaster stage, Shelter components, materials, structures and erection.

All units have equal weight-age.

Term works shall be inclusive of case studies. Each student shall study a case independently and present the same along with relevant assignment on the subject topics.

REFERENCE BOOKS:

1. Thomas Scheneid (2000), "Disaster Management and Preparedness", CRC Press.
2. Harsh K. Gupta (2003), Disaster Management, Indian National Science academy.
3. Vinod K. Sharma (1997), Disaster Management, National Center for Disaster Management.