

DISASTER MANAGEMENT**(Elective –II)**

Course Code: 13CE2216

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Course Educational Objectives:

- 1.To impart knowledge on natural and man-made disasters.
- 2.To familiarize the student with the knowledge of hazard Analysis and its management

Course Outcomes:

1. Student will be broadly educated about the management of risk and understanding financing relief expenditure, legal aspects, and rescue operations.
2. Students will be able to understand the management of natural disasters and analysis.

UNIT – I

Disasters – Natures and extent of disasters, natural calamities such as earthquake, floods, drought, volcanoes, forest fires, coastal hazards, landslides etc.

Manmade disasters such as chemical and industrial hazards, nuclear hazards, fire hazards etc.

UNIT – II

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

UNIT – III

Casualty management, risk management, emergency management programme – Administrative setup and organization.

UNIT – IV

Hazard Analysis: training of personnel, information management, Emergency facilities and equipment necessary public awareness creation,

UNIT – V

Preparation and execution of the emergency management programme.

TEXT BOOKS

- 1.H.K.Guptha, “*Disaster management*”, 2nd Edition, University Press, 2001.

REFERENCES

1. S.Seetharaman, “*Construction Engineering and Management*”, 4th Edition, Umesh publications, New Delhi, 1999
- 2.Gupta, M.C., “*Manuals on Natural Disaster management in India*”, National Centre for Disaster Management, IIPA, New Delhi, 2002