

Subject Code: 1MS1010208	Subject Title: Disaster Preparedness
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1. Course Objectives:

This course helps students to prepare better in case of disasters. The course educates students about various agencies working for disaster management and how to prevent disaster through modern technology.

2. Teaching Scheme (Hours per week)

Lecture (Hrs.)	Tutorial	Practical	Credit	Evaluation Scheme (Marks)		Total
				University Assessment	Continuous Assessment	
4	-	-	4	70	30	100

3. Syllabus:

Module No.	Contents	Total Hours	Weight
1	Introduction to Disaster Preparedness: Disaster Management: Significance, Prevention and Preparedness, Disaster Preparedness: Concept, Nature and Planning for People and Infrastructure.	11	25%
2	Roles and Responsibilities for Disaster Management: Roles of Information, Education, Communication and Training, Role and Responsibilities of Central, State, District and Local Administration, International Agencies, NGO's, And Community Based Services	11	25%
3	Technologies for Disaster Management: Role of IT in Disaster Preparedness, Remote Sensing, GIS and GPS, Use and Application of Emerging Modern Technologies, ICST for Different Disasters	11	25%
4	Disaster Mitigation: Meaning, Concept and Strategies, Emerging Trends in Disaster Mitigation and Management, Significance of Team and Coordination for Disaster Mitigation.	11	25%

4. Suggested Readings

Books:

1. Sharma, R.K. & Sharma, G. (2005) (ed) Natural Disaster, APH Publishing Corporation, New Delhi.
2. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.
3. Bryant Edwards (2005): Natural Hazards, Cambridge University Press,
4. U.K.Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing (NRSA)