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| <b>Subject Code: 1MS1010107</b> | <b>Subject Title: Disaster Management</b> |
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### 1. Course Objectives:

The course aims at developing students' understanding for various disasters. The course also prepares students to deal with disasters.

### 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          | Understanding Disasters: Meaning, Nature, Characteristics, and Types of Disasters, Causes and Effects, Disaster: A Global View, India Disaster Profile.        | 11          | 25%    |
| 2          | Geological and Mountain Area Disasters: Causes and Remedies – Earthquakes, Volcanic Eruption, Landslides, Snow Avalanches.                                     | 11          | 25%    |
| 3          | Wind and Water Related Natural Disaster: Causes and Remedies - Floods and Flash Floods, Droughts, Cyclones, Tsunamis.                                          | 11          | 25%    |
| 4          | Man Made Disasters: Causes and Remedies - Understanding Man-Made Disasters, Fires and Forest Fires, Nuclear, Biological and Chemical Disaster, Road Accidents. | 11          | 25%    |

### 4. Suggested Readings

#### Books:

1. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi.
2. Carter, W. Nick, 1991: Disaster Management, Asian Development Bank, Manila.
3. Roy, P.S. (2000): Space Technology for Disaster management: A Remote Sensing & GIS Perspective, Indian Institute of Remote Sensing (NRSA)