

Department of Geography

Discipline Specific Minor Course

Semester-II

Year	Semester	Course Type	Course Code	Course Title	Theory/ Practical	Credit	No. of Lectures/ Practical to be conducted
1	II	Minor (DSC)	GE-MN-125T:	Disaster Management	Theory	2	30

Discipline Specific Minor Course

Disaster Management

Course Code & Title	Credits	Credit distribution of the course	
		Theory	Practical
GE-MN-125T: Disaster Management	2	2	--

- **Course Objectives:**

1. To introduce basic concepts and fundamental structure of Disaster Management (DM).
2. To inculcate critical thinking and problem-solving abilities in disaster management.
3. To enable students to assess the situation and design a plan for Disaster management

- **Course Outcomes:**

After completion of this course, students will able to;

- CO1: Understand the need and significance of studying disaster management
- CO2: Understand the different types of disasters and causes of disasters.
- CO3: Gain knowledge on the impacts of Disasters on the environment and society
- CO4: Study and assess the vulnerability of a geographical area.
- CO5: Students will be equipped with various methods of risk reduction measures and risk mitigation.
- CO6: Understand the role of Information Technology in Disaster Management
- CO7: Understand Geographical Information System applications in Disaster Management.

- **Course Content:**

Unit-I: Fundamental Concepts, Measurement / Parameter and Types of Disasters **(06 Clock Hours)**

- 1.1 Concept: Disaster, Hazard, Risk, Vulnerability, Resilient
- 1.2 Magnitude, Intensity, Frequency, Duration, Spatial dispersion

Unit-II: Phases of Disaster Management **(08 Clock Hours)**

- 2.1 Preparedness
- 2.2 Response
- 2.3 Recovery
- 2.4 Rehabilitation

2.5 Mitigation

Unit-III: Comparative Assessment of Disaster Management- I (08 Clock Hours)

3.1 Earthquake: - India and Japan

3.2 Flood: - India and Netherlan

Unit-IV: Assessment of Disaster Management- II (08 Clock Hours)

4.1 Assignment based on Primary /Secondary Data on any one Geographical Scale-

Local/ Regional/National/Global

● **Reading Books:**

- Disaster Management Guidelines, (2009-2012) GOI-UND Disaster Risk Program
- Gupta A.K., Niar S.S and Chatterjee S. (2013): Disaster management and Risk Reduction, Role of Environmental Knowledge, Narosa Publishing House, Delhi.
- Murthy D.B.N. (2012): Disaster Management, Deep and Deep Publication PVT. Ltd. New Delhi.
- Modh S. (2010): Managing Natural Disasters, Mac Millan publishers India LTD.
- Dr.Mrinalini Pandey (2017): Disaster Management, Wiley India Pvt. Ltd.
- Tushar Bhattacharya (2018): Disaster Science and Management, McGraw Hill Education (India) Pvt. Ltd.
- P. P. Marathe (2010): Disaster Management Concepts & Practices Diamond Publication, Pune. (Marathi)
- डॉ.अर्जुन मुसमाडे, डॉ.ज्योतिराम मोरे (२०१४): आपत्ती व्यवस्थापनाचा भूगोल, डायमंड पब्लिकेशन, पुणे.
- प्रा.चौधर,प्रा.चौधरी,डॉ.मोरे डॉ.सूर्यवंशी (२०१४): आपत्ती व्यवस्थापनाचा भूगोल,अथर्व प्रकाशन पुणे.
- डॉ.डोके,डॉ. नजन ,डॉ. साळवे ,डॉ. चव्हाण (२०२१):आपत्ती व्यवस्थापनाचा भूगोल प्रशांत, पब्लिकेशन्स,जळगाव.