

14. Disaster Management based Project Work (Practical

Course Objectives:

1. Understanding the basic concepts of disaster management
2. Detailed analysis about the different types of disasters in India
3. Evaluating the various dimensions of disaster management through field works

Learning Outcomes:

1. In depth understanding about the various disasters in the country
2. It will provide thorough understanding about the human responses to the disasters
3. It will give an in-depth knowledge about the disasterscapes through fieldworks

Course Content:

1. Introduction to Disaster Management: Basic concepts; Disaster Management Cycle: components and stages; Community Based Disaster Management
2. Flood and Drought
3. Cyclone and Hailstorms
4. Earthquake and Volcanoes
5. Landslides
6. Human Induced Disasters: Fire Hazards, Chemical, Industrial accidents

(Practical Record: Project work to be based on any two of the above topics of their Choice. First should be field-based case study and second should be local / college-based.)

References:

Essential:

1. Government of India. (2011). *Disaster Management in India*. Delhi, India: Ministry of Home Affairs.
2. Government of India. (2008). *Vulnerability Atlas of India*. New Delhi, India: Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India
3. Kapur, A. (2010). *Vulnerable India: A Geographical Study of Disasters*. Delhi, India: Sage Publication.
4. Modh, S. (2010). *Managing Natural Disaster: Hydrological, Marine and Geological Disasters*. Delhi, India: Macmillan.
5. Ramkumar, M. (2009). *Geological Hazards: Causes, Consequences and Methods of Containment*. New Delhi, India: New India Publishing Agency.

Suggestive:

- 1 Savindra, S. and Jeetendra, S. (2013): *Disaster Management*. Allahabad, India: Pravalika Publications.
- 2 Singh Jagbir. (2007). *Disaster Management Future Challenges and Oppurtunities* 2007. Publisher- New Delhi, India : I.K. International Pvt. Ltd.
- 3 Singh, R. B. (ed.) (2006). *Natural Hazards and Disaster Management: Vulnerability and Mitigation*. New Delhi, India: Rawat Publications,.
- 4 Singh, R.B. (2005). *Risk Assessment and Vulnerability Analysis*. New Delhi , India: IGNOU. Chapter 1, 2 and 3
- 5 Stoltman, J.P., et al. (2004). *International Perspectives on Natural Disasters*. Dordrecht, the Netherlands: Kluwer Academic Publications.

Teaching Learning Plan

Week 1: Unit I

Week 2: Unit I

Week 3: Unit II

Week 4: Unit II

Week 5: Unit III

Week 6: Mid-Semester Examinations

Week 7: Mid-Semester Break

Week 8: Unit III

Week 9: Unit IV

Week 10: Unit IV

Week 11: Unit V

Week 12: Unit V

Assessment Method:

Unit No.	Course Learning Outcomes	Teaching and Learning Activity	Assessment Tasks
I	Introduction to the basic concepts in disaster management	Classroom Lectures, PPTs, discussions, and Fieldwork	Assignments, Tests, Presentations, Project Report
II	Detailed discussion on the natural disasters in India	Classroom Lectures, PPTs, discussions, and Fieldwork	Assignments, Tests, Presentations, Project Report
III	Understanding the implications of natural disasters in India	Classroom Lectures, PPTs, discussions, and Fieldwork	Assignments, Tests, Presentations, Project Report
IV	In-depth assessment of the causes and impacts of manmade disasters	Classroom Lectures, PPTs, discussions, and Fieldwork	Assignments, Tests, Presentations, Project Report
V	In-depth observation on the management strategies for disasters from micro to macro levels	Classroom Lectures, PPTs, discussions, and Fieldwork	Assignments, Tests, Presentations, Project Report

Keywords: Disaster, Management, India, Impacts, Strategies