

**FYUGP 3<sup>RD</sup> SEMESTER**  
**VALUE ADDED COURSE**  
**COURSE TITLE: INTRODUCTION TO DISASTER MANAGEMENT**  
**COURSE CODE: IDM-VAC-3012**  
**Credit: 02**  
**Total Teaching Hours/Classes: 30**  
**Total Marks: 50**  
**Internal Assessment: 20**  
**End Semester: 30**

**COURSE CONTENT**

**Unit-I: Concept of Disaster Management** **Classes: 10 | Marks: 20**

- a) Concepts of hazard, risk, vulnerability, exposure, capacity and disaster.
- b) Types of disasters: natural and man-made.
- c) Concept and importance of Disaster Management.
- d) Institutional and legal framework: Disaster Management Act, 2005, NDMA, SDMA, DDMA, NDRF, SDRF and local authorities.

**Unit-II: Disaster Preparedness and Awareness** **Classes: 10 | Marks: 15**

- a) Disaster Management Cycle: mitigation, preparedness, response, recovery and rehabilitation.
- b) Concept of disaster preparedness and awareness.
- c) Preparedness for earthquake, flood, landslide, accidental fire, and other accidents.
- d) Early warning systems, evacuation, emergency communication and emergency kits.

**Unit-III: Disaster Response, Recovery and Management** **Classes: 10 | Marks: 15**

- a) Disaster response: search and rescue, emergency shelter, food, water, sanitation and first aid;
- b) Disaster recovery, relief, rehabilitation and reconstruction, Build Back Better.
- c) Crisis management and disaster risk reduction strategies.
- d) Role of educational institutions and community in disaster management.

**Objectives of the Course**

1. To introduce students to the basic concepts of hazard, risk, vulnerability and disaster.
2. To develop an understanding of different types of natural and man-made disasters.
3. To familiarize students with disaster preparedness, mitigation, response and recovery.
4. To acquaint students with the institutional and legal framework of disaster management in India.
5. To develop awareness about community participation, early warning systems and disaster risk reduction.

## Course Outcomes

After completion of the course, students will be able to:

1. Explain the basic concepts of hazard, risk, vulnerability and disaster.
2. Identify different types of natural and man-made disasters and their impacts.
3. Describe the different phases of the disaster management cycle.
4. Explain disaster preparedness, mitigation, response, recovery and rehabilitation measures.
5. Understand the role of government, local authorities, communities and technology in disaster management.
6. Apply basic knowledge of disaster risk reduction and preparedness in everyday life.

## Suggested Readings

1. Coppola, D. P. (2020). *Introduction to International Disaster Management*. 4th Edition, Butterworth-Heinemann.
2. Carter, W. Nick (1991). *Disaster Management: A Disaster Manager's Handbook*. Asian Development Bank, Manila.
3. Smith, K. and Petley, D. N. (2009). *Environmental Hazards: Assessing Risk and Reducing Disaster*. 5th Edition, Routledge, London.
4. Murthy, D. B. N. (2012). *Disaster Management: Text & Case Studies*. Deep & Deep Publications, New Delhi.
5. Modh, S. (2010). *Managing Natural Disasters*. Macmillan Publishers India Ltd., New Delhi.
6. Gupta, A. K., Nair, S. S. and Chatterjee, S. (2013). *Disaster Management and Risk Reduction: Role of Environmental Knowledge*. Narosa Publishing House, New Delhi.
7. Government of India (2005). *The Disaster Management Act, 2005*. Ministry of Home Affairs, New Delhi.
8. National Disaster Management Authority (NDMA). *National Disaster Management Guidelines*. Government of India, New Delhi.
9. National Disaster Management Authority (NDMA). *National Disaster Management Plan*. Government of India, New Delhi.
10. National Institute of Disaster Management (NIDM). *Disaster Management and Disaster Risk Reduction: Training and Educational Resources*. Government of India, New Delhi.
11. Government of India, Ministry of Home Affairs. *Disaster Management in India*. New Delhi.
12. United Nations Office for Disaster Risk Reduction (UNDRR). *Sendai Framework for Disaster Risk Reduction 2015–2030*. United Nations.
13. United Nations Development Programme (UNDP). *Disaster Risk Reduction and Disaster Management Resources*. United Nations.

