

## DISASTER MANAGEMENT

Course Code	Category	Hours / Week			Credits	Maximum Marks		
BCSB33	Audit	L	T	P	C	CIA	SEE	Total
		2	-	-	0	30	70	100
<b>Contact Classes: 24</b>	<b>Tutorial Classes: Nil</b>	<b>Practical Classes: Nil</b>			<b>Total Classes: 24</b>			

### I. COURSE OVERVIEW:

In the course on disaster management, students will explore a range of important topics and gain valuable knowledge and skills to effectively address and mitigate the impact of disasters and covers areas like Repercussions of Disasters and Hazards, Disaster-Prone Areas in India, Risk Assessment and Disaster Mitigation

### II. COURSE OBJECTIVES:

**The course should enable the students to:**

- I. Learn to demonstrate a critical understanding of key concepts in disaster risk reduction and humanitarian response.
- II. Critically evaluate disaster risk reduction and humanitarian response policy and practice from multiple perspectives.
- III. Develop an understanding of standards of humanitarian response and practical relevance in specific types of disasters and conflict situations.
- IV. Critically understand the strengths and weaknesses of disaster management approaches, planning and programming in different countries, particularly their home country or the countries they work in.

### III. COURSE OUTCOMES:

**After successful completion of the course, students should be able to:**

CO 1	Understand to describe the basic types of Environmental hazards and disasters. Understand how to react effectively to natural, manmade, and technological threats.	Understand
CO 2	Understand how to react effectively to natural, manmade, and planetary hazards	Understand
CO 3	Explore the history of the field and comprehend how past events are earthquake, landslides, and volcanic hazards.	Analyze
CO 4	Describe the basic concepts of the emergency management cycle mitigation, preparedness, response, and recovery	Understand
CO 5	Recognizes the stakeholders in disaster management system, their jurisdiction and responsibilities	Remember

### IV. SYLLABUS:

<b>UNIT-I</b>	<b>INTRODUCTION</b>	<b>Classes: 04</b>
Disaster: Definition, Factors And Significance; Difference Between Hazard And Disaster; Natural And Manmade Disasters: Difference, Nature, Types And Magnitude.		
<b>UNIT-II</b>	<b>REPERCUSSIONS OF DISASTERS AND HAZARDS</b>	<b>Classes: 05</b>
Economic Damage, Loss Of Human And Animal Life, Destruction Of Ecosystem. Natural Disasters: Earthquakes, Volcanisms, Cyclones, Tsunamis, Floods, Droughts And Famines, Landslides And Avalanches, Man-made disaster: Nuclear Reactor Meltdown, Industrial Accidents, Oil Slicks And Spills, Outbreaks Of Disease And Epidemics, War And Conflicts.		

<b>UNIT-III</b>	<b>DISASTER PRONE AREAS IN INDIA</b>	<b>Classes: 05</b>
Study Of Seismic Zones; Areas Prone To Floods And Droughts, Landslides And Avalanches; Areas Prone To Cyclonic And Coastal Hazards With Special Reference To Tsunami; Post-Disaster Diseases And Epidemics		
<b>UNIT-IV</b>	<b>DISASTER PREPAREDNESS AND MANAGEMENT</b>	<b>Classes: 05</b>
Preparedness: Monitoring of Phenomena Triggering A Disaster Or Hazard; Evaluation Of Risk: Application Of Remote Sensing, Data From Meteorological And Other Agencies, Media Reports: Governmental And Community Preparedness.		
<b>UNIT-V</b>	<b>RISK ASSESSMENT &amp; DISASTER MITIGATION</b>	<b>Classes: 05</b>
<p>Disaster Risk: Concept And Elements, Disaster Risk Reduction, Global And National Disaster Risk Situation. Techniques Of Risk Assessment, Global Co-Operation In Risk Assessment And Warning, People's Participation In Risk Assessment. Strategies for Survival.</p> <p>Disaster Mitigation: Meaning, Concept And Strategies Of Disaster Mitigation, Emerging Trends In Mitigation. Structural Mitigation And Non-Structural Mitigation, Programs Of Disaster Mitigation In India.</p>		
<b>Text Books:</b>		
1. R. Nishith, Singh AK, "Disaster Management in India: Perspectives, issues and strategies", New Royal book Company.		
<b>Reference Books:</b>		
<p>1. Sahni, PardeepEt.AL, "Disaster Mitigation Experiences and Reflections", Prentice Hall Of India, New Delhi.</p> <p>Goel S. L. "Disaster Administration and Management Text and Case Studies", Deep &amp; Deep Publication Pvt. Ltd., New Delhi.</p>		
<b>Web References:</b>		
1. <a href="http://nptel.ac.in/courses/105101010/downloads/Lecture37.pdf">http://nptel.ac.in/courses/105101010/downloads/Lecture37.pdf</a>		
<b>E-Text Books:</b>		
1. Disaster management by Vinod k. Sharma		