



Bharat Shikshan Sanstha's

**Shri Chhatrapati Shivaji College, Omerga**

Tq. Omerga Dist. Osmanabad - 413606 (MS), India

(Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad) | NAAC Reaccredited 'B' Grade



## DEPARTMENT OF GEOGRAPHY

### Certificate Course in Disaster Management

Course Code – CCDM01

#### INTRODUCTION:

A disaster is a destructive event that occurs suddenly and involves loss of life and property. Disasters can be of two types, natural and man-made. It is a sudden accident or a natural catastrophe that causes great damage or loss of life. Earthquakes, volcanic activity, tsunamis, floods, cyclones, landslides, avalanches and droughts are natural disasters and man has no control over them. They are a result of natural activities and hence known as natural disasters. The man-made disasters are triggered by human beings. Some of the man-made disasters are: bomb explosions, terrorism, war or civil war, leakage of poisonous chemicals, breach in dams, air or water pollution, industrial accidents and epidemics. They are known as man-made disasters because they occur due to human actions and not natural forces.

Department of Geography has separate Board of Study to frame the syllabus and to monitor the course on Disaster Management. The committee met in the meeting at IQAC cell and discussed the issues on GST certificate course. The structure of the committee is

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|------------------------------------------|----------------------------------|
| 1. Mr. S. D. Gavit, HOD Geography        | - Chairman of the Board of Study |
| 2. Dr. A.K. Katke, Assisitant Professor  | - Member                         |
| 3. Dr. Itle D. S. , Assistant Professor  | - Member                         |
| 4. Dr. M. T. Suryavanshi BOS member BAMU | - Nominated Member               |
| 5. Dr. H. N. Rede, Principal BSS Makni   | - Nominated Member               |

#### Objective

1. To understand the concept of the Disaster Management and to make awareness among the students about how to protect from natural as well as manmade calamities.
2. To know the environmental status in the 21st century.



## SYLLABUS

Total Period - 32

		Period
<b>Unit I: Introduction</b>		<b>06</b>
A.	Meaning, Nature, Importance, Dimensions & Scope of Disaster Management	
B.	Hazard, Risk, Vulnerability, Disaster	
<b>Unit II: Natural Disaster</b>		<b>08</b>
A:	<b>Natural Disaster</b> - meaning and Nature of Natural Disasters, types and effects	
B.	<b>Hydrological Disasters</b> - Flood, Flash Flood, Drought, Cloud burst	
C.	<b>Geological Disasters</b> - Earthquakes, Tsunamis, Landslides, Avalanches, Volcanic eruptions, Mudflow.	
<b>Unit III : Types of Disasters</b>		<b>08</b>
A.	<b>Wind Related</b> – Cyclone, Storm, Storm Surge, Tidal Wave, Heat and Cold Waves. Climatic Change, Global Warming, Sea Level risk, Ozone Depletion	
B.	<b>Fire</b> - Building fire, Coal fire, forest fire, oil fire, <b>Accidents</b> - Road Accidents, Rail Accidents, Air Accidents, Sea Accident, <b>Pollution</b> - Air Pollution, Water Pollution, Land Pollution, Noise Pollution, Deforestation	
<b>Unit IV : Disaster Determinants</b>		<b>10</b>
A.	Factors affecting damage – types, Social status, habitation pattern, physiology and climate	
B.	Factors Affecting mitigation measures, prediction, communication, area and accessibility, population, physiology and Climate	



### Time Frame

<b>Unit I: Introduction</b>		
A.	Meaning, Nature, Importance, Dimensions & Scope of Disaster Management	1 <sup>st</sup> Week Nov.
B.	Hazard, Risk, Vulnerability, Disaster	2 <sup>nd</sup> Week Nov.
<b>Unit II: Natural Disaster</b>		
A:	<b>Natural Disaster</b> - meaning and Nature of Natural Disasters, types and effects	3 <sup>rd</sup> Week Nov.
B.	<b>Hydrological Disasters</b> - Flood, Flash Flood, Drought, Cloud burst	4 <sup>th</sup> Week Nov.
C.	<b>Geological Disasters</b> - Earthquakes, Tsunamis, Landslides, Avalanches, Volcanic eruptions, Mudflow.	1 <sup>st</sup> Week Dec.
<b>Unit III : Types of Disasters</b>		
A.	<b>Wind Related</b> – Cyclone, Strom, Strom Surge, Tidal Wave, Heat and Cold Waves. Climatic Change, Global Warming, Sea Level risk, Ozone Depletion	2 <sup>nd</sup> Week Dec.
B.	<b>Fire</b> - Building fire, Coal fire, coal fire, forest fire, oil fire, <b>Accidents</b> - Road Accidents, Rail Accidents, Air Accidents, Sea Accidence, <b>Pollution</b> - Air Pollution, Water Pollution, Land Pollution, Noise Pollution, Deforestation	3 <sup>rd</sup> and 4 <sup>th</sup> Week Dec.
<b>Unit IV : Disaster Determinants</b>		
A.	Factors affecting damage – types, Social status, habitation pattern, physiology and climate	1 <sup>st</sup> and 2 <sup>nd</sup> Week Jan.
B.	Factors Affecting mitigation measures, prediction, communication, area and accessibility, population, physiology and Climate	3 <sup>rd</sup> and 4 <sup>th</sup> Week Jan.

### Reference:

1. "Disaster Mitigation and Management: Post-Tsunami Perspectives" by Jegadish P Gandhi
2. "Diaster: strengthening community mitigation and preparedness" by: Khanna B.
3. "Disaster Management at Health Care Settings Comprehensive Assessment and Effective Mitigation" by Shreen Gaber
4. "Management and Mitigation of Natural Disasters" by Rajan Kumar Sahoo
5. "Disaster Management: Disaster Management and Mitigation approaches in india" by Paritosh Srivastava
6. "Disaster Education and Management by" : Rajendra Kumar Bhandari.



### Structure of Evaluation

Total Marks = 100

**1. Question Paper –I**

MCQ type – 25 questions each 02 marks = 50

**2. Project**

= 50

Evaluation	Total Marks	Passing Marks	Grade
MCQ	50 Marks	25	D = < 40% =Failed
Practical	50 Marks	25	C = > 50%
			B = > 60%
			A = > 70%

*Dr. Sagar Aswale*  
**IQAC Co-ordinator**  
IQAC Co-ordinator  
SCS College, Omerga

*[Signature]*  
**PRINCIPAL**  
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