

DINABANDHU MAHAVIDYALAYA

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NAAC ACCREDITED-2016(2nd cycle)
Affiliated to West Bengal State University & Formerly under University of Calcutta
Registered under 2(f) & 12(B) of U.G.C. Act 1956
ESTD: 1947

ADD ON Course
Organised by
Department of Geography
Session 2021-2022
Course Title : DISASTER MANAGEMENT

Objectives of the course:

- To increase the knowledge and understanding of the disaster phenomenon, its different contextual aspects, impacts and public health consequences.
- To ensure knowledge, skills and abilities to analyze potential effects of disasters and the strategies and methods for disaster reduction
- Learning and understanding the basic knowledge of Disaster Management concept and different approaches to reduce the impact of disaster.
- Understand the types of disaster their origin causes and their management and the disaster profile of India


Course Coordinator

- **Bidisha Barua**
Head, Department of Geography, Dinabandhu Mahavidyalaya, Bongaon

General Information

Duration : 40 hours

Entry Qualification : Honours and General Students of Geography and Pure Science


Biswajit Ghosh
Principal
Dinabandhu Mahavidyalaya
Bongaon, 24 Parganas (N)

Language : Bengali / English

Venue : Dinabandhu Mahavidyalaya, Bongaon


Course Schedule

Date	Name of the Faculty	Topic	Time	Signature
	Dr. Raja Majumder	Concepts and definitions disaster - hazard, vulnerability, resilience, risk Disaster Management (meaning and concept), method and approaches for disaster management-pre-disaster stage (preparedness, mitigation, prevention) and post disaster stage (relief, recovery, rehabilitation)	2	
	Bidisha Barua	Types, Trends, Causes, Consequences and Control of Disasters Geological Disasters (earthquakes, landslides, tsunami, mining); Hydro-Meteorological Disasters (floods, cyclones, lightning, thunder-storms, hail storms, avalanches, droughts, cold and heat waves) Biological Disasters (epidemics, pest attacks, forest fire); Technological Disasters (chemical, industrial, radiological, nuclear) and Manmade Disasters (building collapse, rural and urban fire, road and rail accidents, nuclear, radiological, chemicals and biological disasters) Global Disaster Trends – Emerging Risks of Disasters – Climate Change and Urban Disasters	10	
	Bidisha Barua	Risk and Vulnerability Analysis 1. Risk : Its concept and analysis 2. Risk Reduction 3. Vulnerability : Its concept and analysis 4. Strategic Development for Vulnerability Reduction	4	
	Dr. Raja Majumder	Study of Important disasters Earthquakes and its types, magnitude and intensity, seismic zones of India, major fault systems of India plate, flood types and its management, drought types and its management, landside and its managements case studies of disasters in Sikkim (e.g) Earthquakes, Landside). Social Economics and Environmental impact of disasters	6	
	Bidisha Barua	Disaster Management in India Disaster Profile of India – Mega Disasters of India and Lessons Learnt Disaster Management Act 2005 – Institutional and Financial Mechanism National Policy on Disaster Management, National Guidelines and Plans on Disaster Management; Role of Government (local, state and national), Non-Government and InterGovernmental Agencies	10	
	Dr. Raja	Mitigation and Management techniques of Disaster	4	

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	Majumder	Basic principles of disasters management, Disaster Management cycle, Disaster management policy, National and State Bodies for Disaster Management, Early Warning Systems, Building design and construction in highly seismic zones, retrofitting of buildings.		
	Bidisha Barua	<i>Training, awareness program and project</i> disaster management Training and drills for disaster preparedness, Awareness generation program, Usages of GIS and Remote sensing techniques in disaster management, Mini project on disaster risk assessment and preparedness for disasters with reference to disasters in Sikkim and its surrounding areas	4	

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