

Datta Meghe College of Engineering, Airoli

Department of Civil & Infrastructure Engineering

Department of Civil Engineering

National Service Scheme (NSS)

In Association with
Association of Civil & Infrastructure Engineering Students (Infra-R.E.D.) & Association of Civil
Engineering Students (ACES)

**One Week Short Term Training Program on
“Disaster Management and Mitigation” from 1st Aug to 5th Aug 2022**

Schedule

Day 1- 1st Aug 2022			
Time	Topic	Speaker	Designation
9.30 am to 10.30 am	Registration, Tea and Break Fast		
10 30 am to 11.30 am	Inaugural Program		
11.30 am to 1.00 pm	Disaster – General Perspective and its effects Definition of Disaster, hazard, global and Indian scenario, general perspective, importance of study in human life, Direct and indirect effects of disasters, long term effects of disasters. Introduction to global warming and climate change.		
1.00 pm to 2.00 pm	Lunch Break		
2.00 pm to 3.30 pm	Natural and Manmade Disasters Meaning and nature of natural disaster, Flood, Flash flood, drought, cloud burst, Earthquake, Landslides, Avalanches, Volcanic eruptions, Mudflow, Cyclone, Storm, Storm Surge, climate change, global warming, sea level rise, ozone depletion. Chemical, Industrial, Nuclear and Fire Hazards. Role of growing population and subsequent industrialization, urbanization and changing lifestyle of human beings in frequent occurrences of manmade disasters.		

Day 2- 2nd Aug 2022			
9.30 am to 10.30 am	Tea and Break Fast		
10 30 am to 12 noon	Disaster Management Disaster management: meaning, concept, importance, objective of disaster management policy, disaster risks in India, Paradigm shift in disaster management.		
12 noon to 1.30 pm	Policy and Administration Importance and principles of disaster management policies, command and co-ordination of in disaster management, rescue operations-how to start with and how to proceed in due course of time, study of flowchart showing the entire process.		
1.30 pm to 2.30 pm	Lunch Break		
2.30 pm to 4.00 pm	Institutional Framework for Disaster Management in India Importance of public awareness, Preparation and execution of emergency management programme. Scope and responsibilities of National Institute of Disaster Management (NIDM) and National disaster management authority (NDMA) in India. Methods and measures to avoid disasters, Management of casualties, set up of emergency facilities, importance of effective communication amongst different agencies in such situations.		
Day 3- 3rd Aug 2022			
9.30 am to 10.30 am	Tea and Break Fast		
10 30 am to 12 noon	Application of soft computing tools for disaster management Use of Internet and software for effective disaster management. Applications of GIS, Remote sensing and GPS in this regard.	Prof. Reshma Raskar Phule	Assistant Professor, Sardar Patel College of Engineering (SPCE)
12 noon to 1.30 pm	Financing Relief Measures		

	Ways to raise finance for relief expenditure, role of government agencies and NGO's in this process, Legal aspects related to finance raising as well as overall management of disasters. Various NGO's and the works they have carried out in the past on the occurrence of various disasters, Ways to approach these teams.		
1.30 pm to 2.30 pm	Lunch Break		
2.30 pm to 4.00 pm	International Relief Aids International relief aid agencies and their role in extreme events.		
Day 4- 4th Aug 2022			
9.30 am to 10.30 am	Tea and Break Fast		
10 30 am to 12 noon	Preventive Measures & Structural Mapping Pre-disaster, during disaster and post-disaster measures in some events in general Structural mapping: Risk mapping, assessment and analysis, sea walls and embankments, Bio shield, shelters, early warning and communication		
12 noon to 1.30 pm	Non-Structural Mitigation Community based disaster preparedness, risk transfer and risk financing, capacity development and training, awareness and education, contingency plans. Do's and Don'ts in case of disasters and effective implementation of relief aids.		
1.30 pm to 2.30 pm	Lunch Break		
2.30 pm to 4.00 pm	MCQ Assessment		
Day 5- 5th Aug 2022			
9.30 am to 10.30 am	Tea and Break Fast		
10 30 am to 1.30 pm	Demonstration & Training	Mr. Aniket Patil	Founder, SDMA Association
1.30 pm to 2.30 pm	Lunch Break		
2.30 pm onwards	Valedictory Program		