

**Lesson Plan/ Course Break – up**  
**PCC-CVE205-T Disaster Preparedness & Planning**

<b>Name of the Faculty</b>	Ms. Manju Godara
<b>Discipline</b>	B.Tech in Civil Engineering
<b>Semester</b>	III (2nd Year)
<b>Subject</b>	Disaster Preparedness & Planning
<b>Lesson Plan Duration</b>	15 Weeks (from September to December 2021)
<b>Work Load (Lecture / Practical) per week (in hrs.)</b>	Lectures – 03

Week	Theory	
	Lecture Day	Topic (Including assignment / Test)
1 <sup>st</sup>	1	<b>Introduction</b> - Concepts and definitions: disaster
	2	disaster, hazard, vulnerability, risks- severity
	3	frequency and details, capacity, impact, prevention, mitigation
2 <sup>nd</sup>	4	<b>Disasters</b> - Disasters classification; natural disasters (floods, draught, cyclones, volcanoes, earthquakes, tsunami
	5	landslides, coastal erosion, soil erosion, forest fires etc.
	6	man-made disasters (industrial pollution, artificial flooding in urban areas
3 <sup>rd</sup>	7	nuclear radiation, chemical spills, transportation accidents, terrorist strikes, etc
	8	hazard and vulnerability profile of India
	9	mountain and coastal areas, ecological fragility.
4 <sup>th</sup>	10	<b>Disaster Impacts</b> - Disaster impacts (environmental, physical, social, ecological, economic, political, etc
	11	health, psycho-social issues; demographic aspects (gender, age, special needs)
	12	hazard locations; global and national disaster trends
5 <sup>th</sup>	13	climate change and urban disasters
	14	<b>Disaster Risk Reduction (DRR)</b> - Disaster management cycle
	15	its phases; prevention, mitigation, preparedness
6 <sup>th</sup>	16	relief and recovery; structural and non-structural measures
	17	risk analysis, vulnerability and capacity assessment
	18	risk analysis, vulnerability and capacity assessment
7 <sup>th</sup>	<b>1<sup>st</sup> Minor Test</b>	
8 <sup>th</sup>	19	early warning systems
	20	Post-disaster environmental response(water, sanitation, food safety, waste management
	21	Post-disaster environmental response(water, sanitation, food safety, waste management
9 <sup>th</sup>	22	disease control, security, communications
	23	disease control, security, communications
	24	Roles and responsibilities of government, community, local institutions

10 <sup>th</sup>	25	Roles and responsibilities of government, community, local institutions	
	26	NGOs and other stakeholders; Policies and legislation for disaster risk reduction	
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11 <sup>th</sup>	28	DRR programmes in India and the activities of National Disaster Management Authority	
	29	DRR programmes in India and the activities of National Disaster Management Authority	
	30	Disasters, Environment and Development - Factors affecting vulnerability	
12 <sup>th</sup>	31	Disasters, Environment and Development - Factors affecting vulnerability	
	32	such as impact of developmental projects	
	33	such as impact of developmental projects	
13 <sup>th</sup>	34	environmental modifications (including of dams, land-use changes, urbanization etc	
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	36	sustainable and environmental friendly recovery	
<b>14<sup>th</sup></b>	<b>2<sup>nd</sup> Minor test</b>		
15 <sup>th</sup>	37	sustainable and environmental friendly recovery	
	38	reconstruction and development methods	
	39	reconstruction and development methods	