## 20CE2701A - DISASTER MANAGEMENT AND PREPAREDNESS

	<u> </u>	Branch		CE											
Course Category:			:	Open Elective -III							Credits:			3	
Course Type:				Theory						Le	Lecture-Tutorial- Practical:		3-0-0		
Prerequisites:				20MC1301 - Environmental Science							Continuous Evaluation:			30	
											Semester End Evaluation:			70	
											Fotal Ma	arks:	1	00	
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UNIT	DISASTER MITIGATION AND PREPAREDNESS           Disaster management cycle – its phases; prevention, mitigation, preparedness, relief and recovery; structural and non-structural measures; risk analysis, vulnerability and capacity assessment; early warning systems, Role of remote sensing and GIS in disaster management.							CO3							
UNIT	-4 P E re re co	<b>POST DISASTER RESPONSE</b> Emergency medical and public health services; Environmental post disaster response (water, sanitation, food safety, disease control, security, communications); reconstruction and rehabilitation; Roles and responsibilities of government, community, local institutions, role of agencies like NDMA, SDMA and other International agencies, organizational structure, role of insurance sector.							CO						
	T٠		undi di	SCHUIC	s, orga	<b>DISASTERS - ENVIRONMENT AND DEVELOPMENT</b> Factors affecting vulnerability such as impact of developmental projects and environmental modifications (including of dams, land use changes, urbanization									

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	, sustainable and environmental friendly recovery; reconstruction and clopment methods.
deve	Learning Resources
Text Books	<ol> <li>R. B. Singh, Disaster Management, Rawat Publications, 2000</li> <li>Pradeep Sahni, 2004, Disaster Risk Reduction in South Asia, Prentice Hall.</li> <li>Singh B.K., 2008, Handbook of Disaster Management: Techniques &amp; Guidelines Rajat Publication.</li> </ol>
Reference Books	<ol> <li>Disaster Medical Systems Guidelines. Emergency Medical Services Authority, State of California, EMSA no.214, June 2003</li> <li>Inter-Agency Standing Committee (IASC) (Feb. 2007). IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings. Geneva: IASC</li> </ol>
E-Resources	1. http://ndma.gov.in/ (Home page of National Disaster Management Authority)
& other	2. http://www.ndmindia.nic.in/ (National Disaster management in India, Ministry
digital	of Home Affairs).
material	

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