

GANPAT UNIVERSITY									
FACULTY OF ARCHITECTURE DEISGN & PLANNING									
Programme		Bachelor of Architecture			Branch/Spec.		INSTITUTE OF ARCHITECTURE		
Semester		VII			Version		1.0.0.0		
Effective from Academic Year			2015-16		Effective for the batch Admitted in			June 2015	
Subject code		VIIA04ESS		Subject Name		Environment Science Services - V			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	-	-	-	2	Theory	120	80	200
Hours	3	-	-	-	3	Practical	-	-	-
Pre-requisites:									
Probable disasters, Disaster management: general approach at society/community, city level, urban planning strategies & habitat design strategies for disaster mitigation , resource management during disasters, strategies for recovery.									
Learning Outcome:									
Theory syllabus									
Unit	Content								Hrs
1	The Contemporary world and the probable disaster risks. Scale of disaster risk situation, Evolution of disaster risk management, Disaster management models and approaches for different emergencies. Disaster Risk Management Process.								
2	Vulnerability factors (includes Residential as well as Industry and Commerce), Coping capacities (at different levels, and of different agencies), Outputs from risk assessment and capacity building framework from the same.								
3	Prevention / Mitigation. Framework for prevention and mitigation with focus upon between environment, Structural mitigation , Community based disaster management (including specialized measures for different set of industrial set-ups and surrounding settlements), Institutional and legal mechanisms, Role of public awareness, Preparation of prevention and mitigation by urban planning strategies & conducive habitat design.								
4	Preparedness Planning. Key preparedness considerations, Coordination and the emergency coordination center, Probable damage assessment and needs analysis, with special focus upon between environments.								
5	Emergency Response. Activating and managing the emergency coordination centers (all levels) , Damage assessment and needs analysis , Resource management at different levels. Recovery and Reconstruction. Principles and concepts of recovery, Community involvement & Rehab designs. Concluding recovery interventions.								
Practical content									
Case studies and literature studies of disasters & its mitigation in terms of architecture									
Text Books									
1	NA								
Reference Books									
1	Disaster Management, By Harsh K. Gupta								
2	Disaster Management, K. N. Shastri								
3	Design like you give a Damn, Architecture for Humanity								