MOHAMMED SATHAK A J COLLEGE OF ENGINEERING

Siruseri IT park, OMR, Chennai - 603103

		LESSON	PLAN						
	Department of	Civil	LEGIT	Enginee	ring				
Name of the Subject Disaster Management		CIVII	Name of the Mr Syed Abuthahir						
Sub	oject Code GE8071		,	Year / Sem	III/V				
Acad Year 2021-2022				Batch	20	2019-2023			
		Course Ob							
 To equip 	the students with the principles and design of water trea	tment units and distr	ibution syst	tem.					
		Course Ou	tcome						
	de students an exposure to disasters, their significance ar								
	e that students begin to understand the relationship betw			ster prevention and r	risk reduction				
	preliminary understanding of approaches of Disaster R ace awareness of institutional processes in the country an)						
	op rudimentary ability to respond to their surroundings v		er response	in areas where they l	ive. with due sens	itivity			
		F	T	<u>-</u>	,				
		Lesson P	lan		_				
Sl. No.	Topic(s)	T / R*	Periods	Mode of Teaching	Blooms Level	CO	PO		
	- · · ·	Book		(BB / PPT / NPTEL	/ (L1-L6)				
	UNIT I			O DISASTERS					
1	Definition: Disaster, Hazard, Vulnerability	T1	1	BB	L2	CO1	PO1,PO3		
3	Disasters and its Types Classification, Causes and Impacts	T1 & T3	2 2	BB BB	L3 L2	CO1	PO1,PO3 PO1,PO3		
4	Differential impacts	T1	2	BB	L2 L2	CO1	PO1,PO3		
5	Global trends in disasters	T1	1	BB	L2	COI	PO1,PO3		
6	Dos and Don'ts during various types of Disasters.	T1	1	BB	L2	CO1	PO1,PO3		
7	(CBS) Case Study:Worst natural disaster 2013	T1	1	BB	L2	CO1	PO1,PO3		
	Activity: Assignment / Case Studies / Tuorials/ Qu	iz / Mini Projects /	Model Dev	eloped/others Plan	ned if any				
Evaluation	n method - MCQ				. (5.55)				
	UNIT II APPROAC				.` 				
7	Disaster cycle	T1 & T3	2	BB	L2 L2	CO2	PO1,PO3-PO4		
8	Different measures Roles and responsibilities	T1 	2	BB BB	L2 L2	CO2	PO1,PO3 PO1,PO3-PO4		
10	Roles and responsibilities	T1	1	BB	L2 L2	CO2	PO1,PO3-PO4		
11	Processess and Framework	T1	2	BB	L3	CO2	PO1,PO3-PO4		
12	Warning systems and Advisories	T1	1	BB	L2	CO2	PO1,PO3-PO4		
13	(CBS)Global Facility for Disaster Risk Reduction	T1	1	BB	L2	CO2	PO1,PO3-PO4		
	Activity: Assignment / Case Studies / Tuorials/ Qu	iz / Mini Projects /	Model Dev	eloped/others Plan	ned if any				
Evaluation	n method - Paper Based	NOTED DETENTE	CNI DIGA	CEEDS AND D	EXTEL OBMEN	TD.			
14	UNIT III INTER-RELATIO						PO1 PO2		
14 15	Factors affecting development Impact of Development projects	T1 T1	2 2	BB BB	L2 L3	CO3	PO1,PO3 PO1,PO3-PO5		
16	Climate Change Adaptation	T1	1	BB	L3	CO3	PO1,PO3-PO5		
17	Scenarios	T1	2	BB	L3	CO3	PO1,PO3-PO5		
18	Relevance of indigenous knowledge, appropriate	T1,T4	1	BB	L3	CO3	PO1,PO3-PO5		
	(CBS)Climatic Change: Financial contributions of	T1	1	BB	L3	CO3	PO1,PO3-PO4		
20	United Kingdom	T1	1	BB	L3	CO3	PO1,PO3,PO9		
	Activity: Assignment / Case Studies / Tuorials/ Qu	iz / Mini Projects /	Model Dev	<u>eloped/others Plan</u>	ned if any				
Evaluation	n method - Paper Based UNIT IV DIS	ASTER RISK M	ANACE	MENT IN INDI	4				
21	Profile of India	T1 & T4		BB	L3	CO4	PO1,PO3-PO5		
22	Components of Disaster Relief	T1& R2	2	BB	L3	CO4	PO1,PO3-PO4		
23	Institutional arrangements	T1	2	BB	L3	CO4	PO1,PO3-PO5		
24	Acts and Policies	T1 & R1 & R2	1	BB	L3	CO4	PO1,PO3-PO4		
25	Acts and Policies	T1 & R1 & R2	1	BB	L3	CO4	PO1,PO3-PO5		
26	Role of GIS and Information Technology	T1 & R1	2	BB	L3	CO4	PO1,PO3,PO9		
27	(CBS)National Cyclone Risk Mitigation Process	T1	Made B	BB	L3	CO4	PO1,PO3-PO5		
	Activity: Assignment / Case Studies / Tuorials/ Qu n method - MCQ	nz / Iviini Projects /	wodel Dev	/eiopea/others Plan	nea ii any				
<u> waiuatioi</u>	UNIT V DISASTER MANAGEMENT	F. APPLICATIO	NS AND	CASE STUDIE	S AND FIFT I	WORK	· · · · · · · · · · · · · · · · · · ·		
28	Landslides	T1	1	BB	L2	CO5	PO1,PO3		
29	Earthquake	T2	2	BB	L2	CO5	PO1,PO3		
30	Drought	T2	1	BB	L2	CO5	PO1,PO3		
31	Coastal Flooding	T2	2	BB	L3	CO5	PO1,PO3-PO4		
32	Man Made disasters: Case Studies	T2 & T3	1	ВВ	L2	CO5	PO1,PO3		
34	Maii Mauc disasters. Case studies	12 & 13	1	ВВ	112		101,103		
	Space Based Inputs for Disaster Mitigation and								
ا ا	Space based inputs for Disaster Witigation and			7.70					
33	Management	T2 & T4	1	BB	L3	CO5	PO1,PO3		
33		T2 & T4	1	BB BB	L2	CO5	PO1,PO3		

35	(CBS)Cas	se Study:	Natural di	saster 201	6 Chennai f	T2 (& T4	1	В	BB	L	2	CO5	PO1,PO3
Suggeste Case Stu		Assignme	nt / Case S	tudies / T	uorials/ Qu	iiz / Mini	Projects / 1	Model Dev	eloped/otl	iers Plann	ed if an	y		
Evaluatio	on method	- Report s	ubmission											
Content 1	Beyond the	Syllabus	Planned											
1	Study on	different	types of ir	mpoundin	g structure	s used for	water sto	rage in in	dia					
							Text Bo	oks						
1	Singhal J	Singhal J.P "Disaster Management", Laxmi Publications, 2010. ISBN-10: 9380386427 ISBN-13: 978-9380386423												
2	Tushar B	Tushar Bhattacharya, "Disaster Science and Management", McGraw Hill India Education Pvt. Ltd., 2012.ISBN-10: 1259007367, ISBN-13:978-12												
3	Gupta Ar	Gupta Anil K, Sreeja S. Nair. Environmental Knowledge for Disaster Risk Management, NIDM, New Delhi,2011.												
4	KapurAn	KapurAnu Vulnerable India: A Geographical study of Disasters, IIAS and Sage Publishers, New Delhi, 2010.												
						R	eference	Books						
1	Govt. of I	Govt. of India: Disaster Management Act, Government of India, New Delhi, 2005.												
2	Governm	ent of Ind	ia, Nationa	ıl Disaster	Manageme	nt Policy,	2009.							
	•					Websit	te / URL	Reference	es					
1		1. http://nidm.gov.in/PDF/DP/TAMILNADU.PDF												
2					an/dmplan		%20Disas	ter%20Ma	nagemen	t%20Plan	%20May	<u>%2020</u>	<u>16.pdf</u>	
3	3. http://	nidm.gov.	.in/idmc2/	PDF/Outo	ome/Manr		Blooms L	ovol						
	Level 1 (l	L1): Ren	nemberin	<u> </u>	Lower	Fixed			(L4) : An	alvsing			Higher	
	` ,				Order	Hour			L5) : Eva		Order	Projects / Mini Projects		
, , , , , , , , , , , , , , , , , , , ,					Thinking				(L6) : Cr		Thinking			
77	·	Map			ith Bloon						T	LOT	HOT	m . 1
	Unit No Unit Name Unit 1 SOURCES OF WATER					L1 0	L2 5	L3	L4 0	L5 0	L6	LOT 6	HOT 0	Total 6
	nit 2		EYANCE FI		OURCE	0	6	1	0	0	0	7	0	7
	nit 3			REATMENT		0	1	6	0	0	0	7	0	7
	nit 4 nit 5		ADVANCED WATER TREATMENT WATER DISTRIBUTION AND SUPPLY			0	5	2	0	0	0	7	0	7
Total				SCITEI	0	20	10	0	0	0	30	0	30	
Total Percentage						0	66.6667	33.3333	0	0	0	100	0	100
			1			C	O PO Ma	pping						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2		2	_									2	2
CO2	3		3	3	3		-		2				2 2	2 2
CO4	3		2	3	3				2				2	2
CO5	3		3	3	3				2				2 2	2
Avg	2.8		2.4	2.75		Justificat	ion for CO	-PO mapr		L				2
CO1	PO1: Des	ign of pub			impoundin	g structui	res, Design	and analy	sis of pop					n engineering too
CO2	PO1.PO	3-PO5 - D			dern techni f unit treat									ced Knowledge in
CO4	PO1,PO	3-PO5: Do	esign and A	Analysis o	f water soft	ening met	hods PO9	- understa	nding of i	mpact of e	engineeri	ng solu	tions on th	e advanced wate
CO5					_	<u>U</u>			_	g for wate	r coveya	nce an		ation engineering
	3		High level	1	2		M	oderate le	vei				Lov	v level
ame &	Sign of Fa	culty Inch	narge : Rak	cesh R B										
	Sign of Su													
lead of	the Depart	ment	:								_			

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