19CE4701D -IRRIGATION MANAGEMENT

Cot	ırse Ca	ategory:]	Program Elective							Credits:			3	
Course Type:			,	Theory							Lecture-Tutorial-			3-0-0	
Course Type:				1 Heory							Practical:				
Prerequisites:				19CE3602-Water resources Engineering							Continuous Evaluation:			30	
											Semester End			70	
				Evaluation:											
				Total Marks: 1									00		
Course			1	0.1											
		ful comp												17.0	
CO1	Understand various approaches in irrigation management Understand the combility of imigable soils and management											K2			
CO2		Understand the capability of irrigable soils and management Societal approach to irrigation management												K2 K2	
CO3		Understand the provisions of irrigation and conflict resolution													
CO5		Understand the basic concepts of integrated water management													
- 03	Contribution of Course Outcomes towards achievement of Program Outcomes													K2	
													PSO1	PSO2	
CO1	2	2	100	101	100	2	2	2	107	1010	1011	1012	1501	2	
CO2	2	2				1	2	1						2	
CO3	2	2				2	2	2						2	
CO4	2	2				2	2	2						2	
CO5	2	2				1	2	1						2	
	2	2				2.	2	2.						2	
Avg.		1- Lo	***				2-Me					3-High			
		1- L0	w									3-migii			
						Cou	rse (Cont	tent						
UNIT-	f irriga	duction: Need for proper management of land and water resources. Planning igation projects – Inadequacies in present approaches in canal irrigation gement – command area development programmes.											CO1.		
UNIT-	2 re	Soil Management: Classification of irrigable soils – soils-plant-water												CO2.	
UNIT-	3 Irrigation Management: Irrigation management – Irrigation Management Matrix – Society and irrigation –perceptions of various stake holders on irrigation system performance. Livelihood and Production Thinking Philosophy – the different approaches. Macro and precision irrigation.													CO3	
UNIT-	4 a	Participatory irrigation management – Farmer's management of irrigation system acts - conflict resolution.											CO4		
UNIT-	5 L	Legal aspects in water sharing and management – PC-CP - case studies Introduction to Integrated Water Resources Management (IWRM).												CO5	
Learning Resources															
Text Books ltd 2.1		1. Irrigation Theory and practice by A. M. MICHAEL Vicas publishing house pvt ltd. 2. Irrigation Water Management: Principles and Practce by Dilip Kumar Majumdar PHI Learning pvt.Ltd													
				mbers R, Canal Management, Oxford IBH.											
			4.VVN Murthy, Land and Water Management Engineering, Kalyani Publishers.												
e-Reso other ma	& 1.														