



Lesson Plan & Work-done Diary for AY: 2025-26, Even Semester

Course with Code: Water Conservation & Rainwater harvesting (BCV654A)				Faculty: Manu Vijay			Semester: 6 th Sem	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Introduction to subject, Mod 1: Water & its importance, Monsoon– types and behaviour in India, rainfall characteristics and distribution.	PPT					
2		Onset and withdrawal of effective rains, dry spells and wet spells,	PPT					
3		critical dry spells, Water loss from the soil.	PPT					
4		measurement and factors, hydrological cycle.	PPT					
5		Importance and issues relating water status Scenario of water in Karnataka	PPT					
6		Sources, geographical distribution, quality	PPT					
7		Water (hydrological) cycle, influence of human activity on the water cycle.	PPT					
8		Surface water resources.	PPT					



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MODULE-2								
9		Mod 2: Elementary knowledge of ground water: general aquifer. Water quality and its impact on human beings.	PPT					
10		Water harvesting: need, principles of water harvesting	PPT					
11		General water harvesting methods	PPT					
12		Rain water harvesting - methods	PPT					
13		Rain water harvesting- Classes, benefits, approach	PPT					
14		Rooftop rainwater harvesting	PPT					
15		Subsurface barrier/dykes,	PPT					
16		Farm ponding, etc mostly used in rural areas.	PPT					



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MODULE-3								
17		Mod 3: Groundwater recharge: Introduction, basic concepts	PPT					
18		Factors affecting groundwater recharge	PPT					
19		Revival of traditional techniques for water harvesting	PPT					
20		Calculation of available rainwater for harvesting.	PPT					
21		Preparation of suitable technical drawing	PPT					
22		Preparation of suitable technical drawing-examples	PPT					
23		Design of rain water harvesting structure - examples	PPT					
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MODULE-4								
25		Mod 4: Elementary conservation of water: Basic concepts	PPT					
26		Importance, knowledge regarding conservation	PPT					
27		Saving of water in daily use, in agriculture, in industries	PPT					
28		Water Conservation strategies	PPT					
29		Limiting the consumption	PPT					
30		Reuse and recycling	PPT					
31		Elimination of losses	PPT					
32		Pollution prevention	PPT					



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MOD ULE - 5								
33		Mod 5: Subsurface investigation of Ground water: Introduction, basic concepts	PPT					
34		General, geophysical methods and its importance	PPT					
35		Present law regarding water management	PPT					
36		Water footprints	PPT					
37		Blue water footprint	PPT					
38		Green water footprint	PPT					
39		Grey water footprint	PPT					
40		Sustainability assessment	PPT					



	Activity	Planned	Actual	Remarks
1	Theory Classes	40	40	
2	Assignments/ Quizzes/ Self-study	2 Assignment/ 5 Quizzes/Topic seminar with group assignment	2 Assignment/ 5 Quizzes/Topic seminar with group assignment	
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3	3	
5	ICT based Teaching (% of usage in Curriculum)	100	100	
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	