FOUR YEAR UNDERGRADUATE PROGRAM (2024-28)
DEPARTMENT OF GEOLOGY
COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Science (Certificate/Diploma/Degree/Honors)		Semester: II/IV/V/V	Session:2024-2025
1	Course Code	GESEC -01	
2	Course Title	RAINWATER HARVESTING	
3	Course Type	Skill Enhancement Course (SEC)	
4	Pre-requisite(if any)	As per Government norms	
5	Course Learning Outcomes (CLO)	On completion of Course, the students should be able to 1. Define key rainwater harvesting concepts, terms, and principles 2. Assess a site for rainwater harvesting potential and water uses 3. Make strategic decisions about what features and systems to use for a site 4. Design a conceptual integrated rainwater harvesting plan for a site 5. Refine a conceptual rainwater harvesting plan with relevant systems details	
6	Credit Value	2 Credits	(Credit=30 hours-learning & observation)
7	Total Marks	Max. Marks: 50	Min Passing Marks : 20

PART- B: CONTENT OF THE COURSE

Total No. of Teaching-learning Periods (01 hour per period)- 30 Periods (30 Hours)

Unit	Topics (Course Contents)	No. of Period
I	1) Water and its distribution 2) Water cycle 3) Rain Water Harvesting – Concepts & Terms 4) Rain Water Harvesting system	15
II	1) Selection Procedure for Rain Water Harvesting Site 2) Rain Water Runoff, Runoff Coefficient, Infilteration 3) Roof Rain Water Harvesting system 4) Government Policies regarding Rain Water Harvesting system	15

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Part - C
Learning Resource: Text Books, Reference Books, Others
Text Books Recommended- 1. CPWD Rain Water Harvesting & Conservation Manual – 2022 Prabhakar Singh A Puri Publication 2. Rainwater Harvesting for Drylands and Beyond, Volume 1, 3rd edition" Rainsource Press. 2019 Lancaster, Brad 3. Rainwater Harvesting : In Urban Centers within the Hard Rock Terrain of the Deccan Basalt of India , Dr. Anil LALWANI Springer International Publishing AG 2021 **Online Resourses** http://www.rainwaterharvesting.org/

PART -D:Assessment andEvaluation -Theory		
Suggested Continuous Evaluation Methods: Maximum Marks: 50 Marks Continuous Internal Assessment(CIA): 15 Marks End Semester Exam (ESE): 35 Marks		
Continuous InternalAssessment (CIA): (By CourseTeacher)	Internal Test / Quiz-(2): 5+5 Assignment / Seminar - 5 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against **15** Marks
End SemesterExam (ESE):	**Two section – A & B** Section A: **Q1**. Objective – **10 x1= 10** Mark; **Q2**. Short answer type- **5x2=10Marks** Section B: Descriptive answer type qts.,**5out of3** from each unit-**3x5=15 Marks**	

Name and Signature of Convener & Members of CBoS:

M. Arif A. Jha SS Bhadauriya S D Deshmukh S Kerketta S Vansutre N Bodhankar