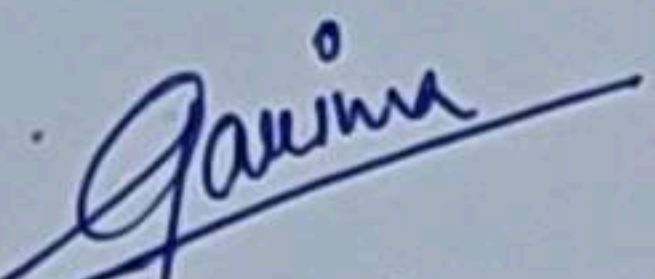
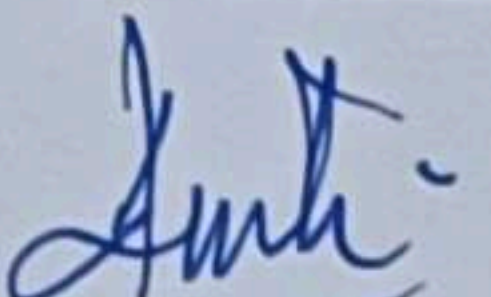


DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC SUNDERNAGAR

LESSON PLAN FOR Concrete Technology Lab. (G-I)(SEMESTER-3rd)SESSION: (Aug-Dec 2025)				
S.No.	MONTH	WEEK	CONTENTS	REMARKS
1	August	Week 1	Determine fineness of cement by Blaine's air permeability apparatus or by sieving.	
		Week 2	Checking of Practical Files	
		Week 3	Determine specific gravity, standard consistency, initial and final setting times of cement.	
		Week 4	Checking of Practical Files	
		Week 5	Determine compressive strength of cement.	
2	September	Week 1	Checking of Practical Files	
		Week 2	Determine silt content in sand.	
		Week 3	Determine bulking of sand.	
		Week 4	Checking of Practical Files	
		Week 5	Determine bulk density of fine and coarse aggregates.	
3	October	Week 1	Determine water absorption of fine and coarse aggregates.	
		Week 2	Determine Fineness modulus of fine aggregate by sieve analysis.	
		Week 3	Determine elongation and flakiness index of coarse aggregates	
		Week 4	To prepare concrete mix of a particular grade and determine compressive strength of concrete for 7 and 28 days.	
		Week 5	Determine workability of concrete by compaction factor test.	
4	November	Week 1	Determine workability of concrete by slump cone test.	
		Week 2	Checking of Practical Files	
		Week 3	Demonstration of NDT equipment.	
		Week 4	Checking of Practical Files	
		Week 5	Checking of Practical Files	


Signature of Teacher
(Er Garima Sharma)


Signature of H.O.D
(Er Anita Joshi)