



**Department of Computer Engg.
Govt. Polytechnic for Women Rehan
Distt. – Kangra (H.P.) - 176022**

LESSON PLAN

Program Name	Computer Engineering
Subject Name	Minor Project
Subject Code	PR202
Semester	4 th
Subject Teacher Name	Er. Suneel Kumar

Evaluation Scheme

Sr. No.	Subject Name	Study scheme (Hrs/Week)	Marks in Evaluation Scheme					
			Internal Assessment			External Assessment		
			Th	Pr	Total	Th	Pr	Total
1.	Minor Project	4(Lab)	--	40	40	--	60	60
Reference Books		-NA-						

Course Outcomes (COs)

CO – 1	Design and construct a hardware/software system by applying the experience gained during industrial training.
CO – 2	Work as professionals, with portfolio ranging from data management, network configuration, designing hardware, database and software design to management and administration of entire systems.
CO – 3	Demonstrate skills like problem solving, creative thinking, time management, planning, teamwork, leadership, presentation, report-writing, communication etc.
CO – 4	Gain confidence at having conceptualized, designed and implemented a working minor project with a team.

Lab Plan

Sr. No.	Name of Practical	Proposed Date		Actual Date		Remarks
		G1	G2	G1	G2	
1	Project Selection & Proposal					
	i) Identify a problem or area of interest (e.g., Web Development, IoT, App development etc.). ii) Define objectives, scope, and expected outcomes.	04-11/02/25	05-12/02/25			
2	Requirement Analysis					
	i) Gather requirements based on project goals.					
	ii) Identify hardware and software needs. iii) Prepare a Software Requirement Specification (SRS) document.	14-18/02/25	10-19/02/25			
3	System Design & Planning					
	i) Design system architecture (flowcharts, ER diagrams, UML	19-28/02/25	20-28/02/25			

	ii) diagrams). Choose appropriate technology stack (e.g., C, Python, Java, MySQL etc). iii) Break the project into modules for development.					
4	Implementation (Coding & Development) i) Start coding as per the planned modules. ii) Follow best coding practices and documentation.	01/03/25-30/04/25	01/03/25-30/04/25			
5	Testing, Debugging & Deployment i) Perform unit testing, integration testing and system testing. ii) Fix bugs and optimize performance. iii) Validate project against the requirements. iv) Deploy on a local machine, cloud, or a hosted server (if applicable).	01-10/05/25	01-10/05/25			
6	Documentation & Report Writing i) Write a detailed project report (Abstract, Introduction, Methodology, Results). ii) Include screenshots, code snippets, and testing reports. i) Prepare a PowerPoint presentation for final submission.	12-20/05/25	12-20/05/25			
7	Evaluation & Final Submission i) Present the project to faculty or evaluators. ii) Answer queries and justify implementation choices. iii) Make final revisions based on feedback.	21-28/05/25	21/28-05/25			



(Signature of Teacher)



(Signature of HOD)

Approved



Principal

Govt. Polytechnic for Women Rehan