Electronics & Telecommunication Engineering

Academic Year – 2024-2025	Class: Third Year
Semester – II	Date:
CO: 1,2,3	PO: 1,2,3,4 ,10,12

Innovative Teaching Methods

Title of Innovation method/activity: Project Based Learning

1. Name of Faculty: Mr. Viraj R Sonawane.

2. **Subject**: Database Management

3. **Objective of Method**:

- 1. Apply the concept of database management in the real life problem.
- 2. Develop problem solving ability in Student.

4. Topic Covered through Activity:

Fundamental of DBMS, SQL, Database integration with front end.

5. Description of method with Benefits (8-10 lines):

Project-Based Learning (PBL) is a dynamic and engaging approach to education where students actively explore real-world problems and challenges to acquire deeper knowledge. Students work on projects over an extended period, which allows them to apply their theoretical understanding in practical scenarios.

Key Features of PBL:

- Real-world Relevance: Projects are often rooted in real-world issues or challenges.
- **Student-Centered:** Learners take ownership of their work and decisions.
- Collaboration: Encourages teamwork and communication among peers.
- Critical Thinking and Creativity: Students analyze, create, and innovate to solve problems.

• **Assessment:** Learning is assessed through the process and final outcomes rather than just exams.

Roles and Responsibilities

Teacher

- Provide the Introduction to all the topic.
- Aware the student about the length, Breadth, Depth of Topic
- Provide the Study Material and appropriate guide lines at every stage
- Remain available all the time during all stages of process.
- Prepare assessment methodology.

Student

- Go through all the material provided on particular topic
- Identify the project in nearby vicinity which is aligned with core concept learned.
- Actively participate in group and contribute by means of discussion, hand-out
- Share the expertise topic when joins a new group.

• Group

- Develop the guidelines to establish group.(i.e. Decide the roll of all participants)
- Every group should gain the expertise on particular topic.
- Prepare at least one page Hand-out / Report which cover all the details corresponding to the topic.
- While preparing the report make sure all the content are covered.
- Appropriate references should be given.
- Grammatical mistake should be checked.
- Develop the guidelines with which every group member can share the topic they learn

6. Assessment Tools & Rubrics:

	Rubrics	5	4	3	2	1
R1	Problem	Help Full to	Real Life	Simple	Theoretical	Less
	Innovation / Application	Enterprise	Problem	_		Relevant
R2	ER / Flow	ER Diagram	Flow Chart	Connectivity	Connectivity	Slight
	Diagram/			established	not	Relevant
	Connectivity				Established	
R3	Oral	Excellent	Good	Average	Poor	No Answer
R4	Timely	On Time	Day Dealy	Week Dealy	Reported but Incomplete	
	Submission					
R5	Report	Organized	Complete	Not	Submitted	Not
		&Complete	but Not	Complete		Submitted
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Course Assignment / Project Based Learning DBMS AY 2024-2025

	Rubrics	5	4	3	2	1	
R1	Problem Innovation / Application	Help Full to Enterprise	Real Life Problem	Simple	Theoretical	Less Relevant	
R2	ER / Flow Diagram/ Connectivity	ER Diagram	Flow Chart	Connectivity established	Connectivity not Established	Slight Relevant	
R3	Oral	Excellent	Good	Average	Poor	No Answe	
R4 +	Timely Submission	On Time	Day Dealy	Week Dealy	Reported but Incompl		
R5	Report	Organized &Complete	Complete but Not Organized	Not Complete but organized	Submitted	Not Submitted	

Roll No	Name	R1	R2	R3	R4	R5	TOTAL	SIGN
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10	Shraddha Desai	3	3	3	4	4	17	phoses
11	Sanika Devkar	4	4	3	3	3	17	
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13	Krushna Hatkar	3	3	3	3	3	15	para.
14	Sneha Jadhav	3	3	3	3	3	15	Rhet,
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8. Impact Analysis

SN	3- High	2- Moderate	1- Slight
Do you find Methodology Helpful	42	14	0
Does this helps for building a good team	43	13	0
Does the content covered are relevant	40	16	0
Would you like to participate in activity again	50 YES	6 NO	0

9.For review and critique contact: e-mail address of faculty and HOD Sonawane.viraj@kbtcoe.org hod@kbtcoe.org

Mo V.R. Sonaward Subject In charge Module Coordinator

FHOD