



## 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
<b>R1</b>	Problem Innovation / Application	Help Full to Enterprise	Real Life Problem	Simple	Theoretical	Less Relevant
<b>R2</b>	ER / Flow Diagram/ Connectivity	ER Diagram	Flow Chart	Connectivity established	Connectivity not Established	Slight Relevant
<b>R3</b>	Oral	Excellent	Good	Average	Poor	No Answer
<b>R4</b>	Timely Submission	On Time	Day Dealy	Week Dealy	Reported but Incomplete	
<b>R5</b>	Report	Organized &Complete	Complete but Not Organized	Not Complete but organized	Submitted	Not Submitted

## 7. Evaluation Sheet



**MARATHA VIDYA PRASARAK SAMAJ'S**  
**Karmaveer Adv. Baburao Ganpatrao Thakare**  
**College of Engineering, Nashik**



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**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**

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
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R4	Timely Submission	On Time	Day Dealy	Week Dealy	Reported but	Incomplete
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
1	Kanchan Abhang	3	3	3	3	3	15	[Signature]
2	Shubham Aher	3	3	3	3	3	15	[Signature]
3	Sarvesh Aher	3	3	3	3	3	15	[Signature]
4	Anurag Aher	4	4	3	3	3	17	[Signature]
5	Prerna Akhade	3	3	3	4	4	17	[Signature]
6	Priyanka Bavne	4	4	4	4	4	20	[Signature]
7	Lalit Bhamare	4	4	4	3	3	18	[Signature]
8	Sanjana Burkul	4	4	4	3	3	18	[Signature]
9	Nilam Daware	4	4	4	4	3	19	[Signature]
10	Shraddha Desai	3	3	3	4	4	17	[Signature]
11	Sanika Devkar	4	4	3	3	3	17	[Signature]
12	Tanmay Dhamane	4	4	5	5	5	23	[Signature]
13	Krushna Hatkar	3	3	3	3	3	15	[Signature]
14	Sneha Jadhav	3	3	3	3	3	15	[Signature]
15	Piyush Jagtap	5	5	5	5	5	25	[Signature]
16	Kaushal Joshi	3	3	3	4	4	17	[Signature]
17	Akshada Kakade	3	4	5	3	3	17	[Signature]
18	Sneha Kardile	4	4	4	4	4	20	[Signature]
19	Dhanshree Kedar	3	3	3	3	3	15	[Signature]
20	Lokesh Khairnar	4	3	3	4	3	17	[Signature]

		R1	R2	R3	R4	R5	Total	Sign.
21	Monika Kshirsagar	5	4	5	4	5	23	Monika
22	Nikita Kulkarni	4	4	3	4	4	19	Nikita
23	Harshal Kumbhare	3	3	3	3	3	15	Harshal
24	Divya Mahajan	5	4	4	4	4	21	Divya
25	Vivek Malunekar	5	5	5	5	5	25	Vivek
26	Sakshi Memane	5	4	4	4	4	21	Sakshi
27	Itesh More	3	3	3	4	5	18	Itesh
28	Prajakta More	3	3	4	5	5	20	Prajakta
29	Yash Nikam	4	5	3	3	3	18	Yash
30	Rutik Padol	3	3	3	3	3	15	Rutik
31	Tanushree Pagare	3	3	3	3	3	15	Tanushree
32	Aastha Patil	3	3	3	3	3	15	Aastha
33	Vedanti Patil	3	4	4	4	4	19	Vedanti
34	Vedehi Patil							
35	Suyash Pawar	3	3	3	3	3	15	Suyash
36	Vrushali Pawar	5	4	4	4	4	21	Vrushali
37	Vaibhav Sarode	5	4	4	3	3	19	Vaibhav
38	Prathamesh Shejwal	4	4	4	3	3	18	Prathamesh
39	Tejaswini Shelke	4	4	3	3	3	17	Tejaswini
40	Kaushalya Shete	3	3	3	3	3	15	Kaushalya
41	Prajakta Shinde							
42	Sanika Shinde							
43	Omkar Shinde	3	3	3	3	3	15	Omkar
44	Sakshi Shirude	3	3	4	4	5	19	Sakshi
45	Shreya Belhekar	4	3	3	4	4	18	Shreya
46	Vidya Somvanshi	3	3	4	4	4	18	Vidya
47	Abhishek Sonawane	3	3	4	4	4	18	Abhishek
48	Sarthak Sonawane	4	4	5	5	5	23	Sarthak
49	Aryan Suri	3	3	3	4	4	17	Aryan
50	Om Tagad	3	3	3	4	4	17	Om
51	Sanika Tile	3	3	3	4	4	17	Sanika
52	Varad Vispute	3	4	3	3	3	16	Varad
53	Dipali Wagh	3	3	3	3	3	15	Dipali
54	Dipti Wagh	4	4	4	4	4	20	Dipti
55	Shrushti Yeole	3	3	3	4	4	17	Shrushti
56	Avdhut Joshi	3	3	3	3	4	16	Avdhut
57	Om Ahirrao							
58	Vedika Bhamare							
59	Dipesh More							
70	Udaykumar Pathak							
72	Aadit Darole							
73	Tejas Shelke							


### 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  
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FHoD