MARATHA VIDYA PRASARAK SAMAJ'S
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering (An Autonomous Institute)
Permanently Affiliated to Savitribai Phule Pune University Vide Letter No. : CA/1542 & Approved by AICTE New Delhi - Vide Letter No. : 740-89-32 (E) ET/98 AISHE Code - C-41622
ESTD. 1914
NBA NATIONAL BOARD OF ACCREDITATION
• MECHANICAL
• COMPUTER
• INSTRUMENTATION AND CONTROL
• CIVIL
• INFORMATION TECHNOLOGY (IT)
A++ NAAC

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 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 Answer
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

7. Evaluation Sheet

MARATHA VIDYA PRASARAK SAMAJ'S
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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
R2	ER / Flow Diagram/ Connectivity	ER Diagram	Flow Chart	Connectivity established	Connectivity not Established	Slight Relevant
R3	Oral	Excellent	Good	Average	Poor	No Answer
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	19	
2	Shubham Aher	3	3	3	3	3	15	
3	Sarvesh Aher	3	3	3	3	3	15	
4	Anurag Aher	4	4	3	3	3	17	
5	Prerna Akhade	3	3	3	4	4	17	
6	Priyanka Bavne	4	4	4	4	4	20	
7	Lalit Bhamare	4	4	4	3	3	18	
8	Sanjana Burkul	4	4	4	3	3	18	
9	Nilam Daware	4	4	4	4	3	19	
10	Shraddha Desai	3	3	3	4	4	17	
11	Sanika Devkar	4	4	3	3	3	17	
12	Tanmay Dhamane	4	4	5	5	5	23	
13	Krushna Hatkar	3	3	3	3	3	15	
14	Sneha Jadhav	3	3	3	3	3	15	
15	Piyush Jagtap	5	5	5	5	5	25	
16	Kaushal Joshi	3	3	3	4	4	17	
17	Akshada Kakade	3	4	5	3	3	17	
18	Sneha Kardile	4	4	4	4	4	20	
19	Dhanshree Kedar	3	3	3	3	3	15	
20	Lokesh Khairnar	4	3	3	4	3	18	

#	Name	R1	R2	R3	R4	R5	Total	Sign
21	Monika Kshirsagar	5	4	5	4	5	23	Qsnila
22	Nikita Kulkarni	4	4	3	4	4	19	Hull
23	Harshal Kumbhare	3	3	3	3	3	15	H.R
24	Divya Mahajan	5	4	4	4	4	21	Dhajas
25	Vivek Malunjkar	5	5	5	5	5	25	@
26	Sakshi Memane	5	4	4	4	4	21	Qua
27	Itesh More	3	3	3	4	5	18	More
28	Prajakta More	3	3	4	5	5	20	Pmp
29	Yash Nikam	4	5	3	3	3	18	nkam
30	Rutik Padol	3	3	3	3	3	15	Pada
31	Tanushree Pagare	3	3	3	3	3	15	Pagens
32	Aastha Patil	3	3	3	3	3	15	Ukly
33	Vedanti Patil	3	4	4	4	4	19	Ppall
34	Vedehi Patil							
35	Suyash Pawar	3	3	3	3	3	15	Squor
36	Vrushali Pawar	5	4	4	4	4	21	BE
37	Vaibhav Sarode	5	4	4	3	3	19	Sarode
38	Prathamesh Shejwal	4	4	4	3	3	18	Shn
39	Tejaswini Shelke	4	4	3	3	3	17	Nrm
40	Kaushalya Shete	3	3	3	3	3	15	Kus
41	Prajakta Shinde							
42	Sanika Shinde							
43	Omkar Shinde	3	3	3	3	3	15	3u	
44	Sakshi Shirude	3	3	4	4	5	19	Ashk
45	Shreya Belhekar	4	3	3	4	4	18	Belfor
46	Vidya Somvanshi	3	3	4	4	4	18	bms
47	Abhishek Sonawane	3	3	4	4	4	18	Konau
48	Sarthak Sonawane	4	4	5	5	5	23	Sarthal
49	Aryan Suri	3	3	3	4	4	17	Aus
50	Om Tagad	3	3	3	4	4	17	RJoshi
51	Sanika Tile	3	3	3	4	4	17	
52	Varad Vispute	3	4	3	3	3	16	Vispute
53	Dipali Wagh	3	3	3	3	3	15	Dwng
54	Dipti Wagh	4	4	4	4	4	20	DW
55	Shrushti Yeole	3	3	3	4	4	17	Syeole
56	Avdhut Joshi	3	3	3	3	4	16	drohf
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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Mr V.R. Sonawane
Subject In charge

Ms. P.S. Deshmukh
Module Coordinator

B.N. Shinde
HoD