



MES's Pillai College of Engineering, New Panvel

A REPORT ON PROJECT BASED LEARNING (PBL)

Class: Third Year

Department: Computer Engineering

Sem:V

Academic Year:2020-2021

Objective—Project-based learning is an instructional approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world.

PBL is "**learning by doing.**"

The truth is, many in education are recognizing we live in a modern world sustained and advanced through the successful completion of projects. Or, as Swiss Psychologist Jean Piaget put it, "knowledge is a consequence of experience."

It's true! Your weekend chores, an upcoming presentation, or organizing a fundraising event—they're all projects.

For most modern workers, it will be a series of projects that mark their career rather than years of service to a specific organization. "**Solving real-world issues that matter is important to us as adults—and it's important to our students,**"

In short, if we are to prepare students for success in life, we need to prepare them for a project-based world.

What are the Essential Elements of Project-Based Learning?

Although definitions and project parameters may vary from school to school, and PBL is sometimes used interchangeably with "experiential learning" or "discovery learning," the characteristics of project-based learning are clear and constant. In essence, the PBL model consists of these seven characteristics:

- Focuses the student on a big open-ended question, challenge, or problem to research and respond to and/or solve.
- Brings what students should academically know, understand, and be able to do into the equation.
- Is inquiry-based.
- Uses 21st-century skills such as critical thinking, communication, collaboration, and creativity, among others.
- Builds student choice into the process.
- Provides opportunities for feedback and revision of the plan and the project.

- Requires students to present their problems, research process, methods, and results.

Methodology

1. Create a groups (4-5 students in each group)
2. Identify the Problems
3. Provides solution to the problems.
4. The students work in groups and assign and distribute various aspects of work so as to realize the project based on a timeline of about 2 to 3 months.
5. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts.
6. Prepare the project report.
7. Present the Project to the experts.

Judges for the PBL Demonstrations

1. Prof. Mansi Kulkarni
2. Prof. Shubhangi Chavan
3. Prof. Sangitha Selven

PBL Coordinators

Division A	Prof. Sheetal Gawande
Division B	Prof. Suhas Lawand

PBL Topics:

Sr. No.	Division A	Division B
1	Online Portal for Health Checkup	Fitness Management System
2	Website for laptop suggestion.	College Registration System
3	Online portal for salon appointment.	Online Pharmacy Store
4	Online ordering system for College Canteen	Stray animal helper
5	Industrial Visit Management System	Scheduler for offline shopping, prioritizing social distancing

6	Online portal for society essential commodities.	Smart Task Manager - An activity/task scheduler for organizations following work from home pattern
7	Attendance Manager	Mobile Comparison Website.
8	Agriculture Management System	Grocery shopping website
9	Online Digital Library	COVID-19 prevention commodities purchasing website
10	Online Portal for a Local Pottery Shop	A Resume Building Website
11	NGO and Fundraising based Application	Home Inventory System
12	Online Electricity Bill Pay Portal	Web application for Construction company
13	online fuel delivery app	Website for mental health consultancy
14	Website for Hiring Caretakers	Online database related to films,tv shows and more.
15	College Management System	Online Course and Examination Management System
16	Stock Market Tracker	Online Car rental system
17	Regional Temple Information and booking	Project Management System
18	Online Turf Booking	E-commerce website for children

Schedule of Mock

Review	Date	Mode
1	3/12/20	Online via google meet
2	4/12/20	

Winner Of PBL

Sr.No	Name of student	Title of Project	Section	Rank
1	Rhugved Kale	Agriculture Management System	A	
	Varun MK			
	Akash Parthe			
	Spandana Shetty			
2	Anant Vishwakarma	Online Portal for Health Checkup	A	
	Niranjan Badgujar			
	Prasad Badhan			
	Siddharth Shah			
3	Alex Sebastian Vettithanam	Online ordering system for College Canteen	A	
	Aditya Sivaram Nair			
	Sidharth Nair			
	Mohanish Ghate			
4	Srivenkatesh Nair	Fitness Management System	B	
	Abhinav Menon			
	Manish Pillai			
	Sujith Kurup			