

MES's Pillai College of Engineering, New Panvel

**A REPORT ON  
PROJECT BASED LEARNING (PBL)**

**Academic Year 2019-2020 (Semester V)  
Third Year Undergraduate Students of**

**Information Technology Department**

**Objective**—To enable the students to apply concepts of the present semester subjects (including those of previous semesters) in the form of a design project based on certain applications. It is hoped that it shall eventually lead to a better learning experience as opposed to textbook learning. Separate topics are assigned to all students in groups (maximum 4-6 students per group) of the same year to enable healthy competition among the different teams. 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. Queries and doubts are clarified by interactions with the PBL coordinators and subject experts. Student groups submit the PBL report during their demonstrations on a specified date in front of the faculty members.

**Judges for the PBL Demonstrations**

All Computer and IT Engineering Faculty of the concerned class.

**PBL Coordinators**

Division A	Prof. Amol K.
Division B	Prof. Mimi Cherian

## PBL Topics :

Topic Name	Abstract
Pothole and Alcohol detection using iot.	Online charity is a web-based registration software that helps you to donate online. It is an ideal for home,society,industry,shop,office based.
Botanic plant watering system	The main aim of the project is to provide water to the plants using nodeMCU ESP8266 wifi module board . This system monitors the moisture content of the soil using soil moisture sensors and supplies the water required using mini water pump 3-6 v DC. The data about the water and moisture level of the soil will be sent to the user via blynk app so that the user can access the system and water the plants accordingly
Vehicle accident detection, accident tracking and theft detection system based on IoT	IoT based vehicle accident detection and accident tracing system using GPS and GSM. When an accident occurs, this system sends a short message on mobile. Messages will give longitude and latitude values. From these values location of accident can be determined.In additional to it we are going to provide theft detection ,if car is parked at parking and accelerometer senses speed above the 0KM/hr it will sends the message to owner through application and sms will be send as backup if application does not connected to internet.
Website on prominent speakers	The website will be based bcon prominent speakers. It will be an informative website telling about their background and journey of life. It will also contain short clips and videos on them. The links to their social networking accounts and blogs will also be provided. It will contain information about their upcoming events too.
website on book buying/selling	A portal where customers can register themselves as either buyer or seller. A buyer can browse the website for specific books and purchase it,whereas a seller can upload their books that can be viewed by sellers to purchase them
Website on Poster Ordering	The website will contain different poster templates based on various categories. Clients can select which type of posters they require and give details about what they need on it.

## Winner List

Name	Title	Contact	Email
Vishal Ranjan	Travel Diary.	9167385176	vishalran17@student.mes.ac.in
Rohini Pimparkar		9594757568	pimparkarrohsu17ite@student.mes.ac.in
Nehal Shinde		8097106012	shindenehkr17ite@student.mes.ac.in
Shivani Shirke		8451029166	shirkeshish17ite@student.mes.ac.in
Ankita Arondekar	Botanic plant watering system	9768876758	arondekarankan17ite@student.mes.ac.in
Amruta Bhosale		7710942057	bhosaleamrpr17ite@student.mes.ac.in
Janhavi Pawar		9967396227	pawarj18it@student.mes.ac.in
Gaurav Kadam	Event management website for colleges	9503736072	kadamgauga17ite@student.mes.ac.in
Yugabdh Pashte		8425039458	pashteyugpr17ite@student.mes.ac.in
Yash Patel		9594495522	patelyashd17@student.mes.ac.in
Snehal Kannan		9930197216	kannansnesu17ite@student.mes.ac.in