B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Department of Electronics & Communication Engineering

Academic Year: 2018-19   Semester: Odd / Even

4 ECE

Laboratory Name: Bell Project Laboratory   Room No: B 403

List of Major Projects

Sl. No.	Title
1.	Biometric attendance monitoring system.
2.	Hazardous gas detector.
3.	Wireless power driving car or train.
4.	Arduino based IC tester.
5.	Controlling of the light intensity using smart phone.
6.	Obstacle avoidance system for vision impaired.
7.	Arduino based smart food quality monitoring system.
8.	Emotion recognition.
9.	Design of audiometer using Ardunio.
10.	Speech signal compression.
11.	Neural network training used for Emotion classification.
12.	Optical communication using Arduino.
13.	Voice controlled electronics notice board.
14.	Hearing aid device.
15.	Automated Vehicle Control System for motion planning & speed control detection
16.	Machine learning for image processing.
17.	Disaster and Microscopic Environment factors predicting Bot.
18.	Gesture controlled robot using gesture recognition kit MCG3130.
19.	Automated intrusion detection system: design & implementation.
20.	Optical Image Encoding.
21.	Finger print based security system.
22.	Effect of noise on free space optical communication.
23.	Machine Intelligence, Artificial Intelligence.
24.	Application of MEMs in optical signal processing.
25.	Design and implementation of an IoT based inter vehicular information system.
26.	Big-data, Android App.
27.	Raspberri-PI based smart home security system.
28.	Analysis of various soils using digital soil moister meter.
29.	Medical Imaging.
30.	Noise removal of ECG signal using adapting filter.
31.	Smart Bulb
32.	Electronic voting machine.
33.	Video Frame Tracking for Emotion Classification
34.	Noise canceller.
35.	FPGA based UART design.