

2019

Project Based Learning

Report

Project based learning is an efficient and creative teaching method that encourages the students to think, understand and implement various concepts. It is learning by doing. Project based learning helps the students to implement theoretical knowledge. A topic consisting of concepts from the subjects of current as well as previous semesters is given to each group of students having two to four group members.



July - December 2019 Odd Semester

For July - December 2019, the PBL topics were musical fountain, digital oscilloscope and metal detector. PBL project exhibition, displaying all the projects was held on 12th October 2019. The projects were assessed on the basis of different parameters like overall organization of the project, understanding of the topic, hardware implementation, analysis of the obtained output and teamwork. On the basis of the assessment carried out best projects were appreciated and awarded with certificates.

Projects:

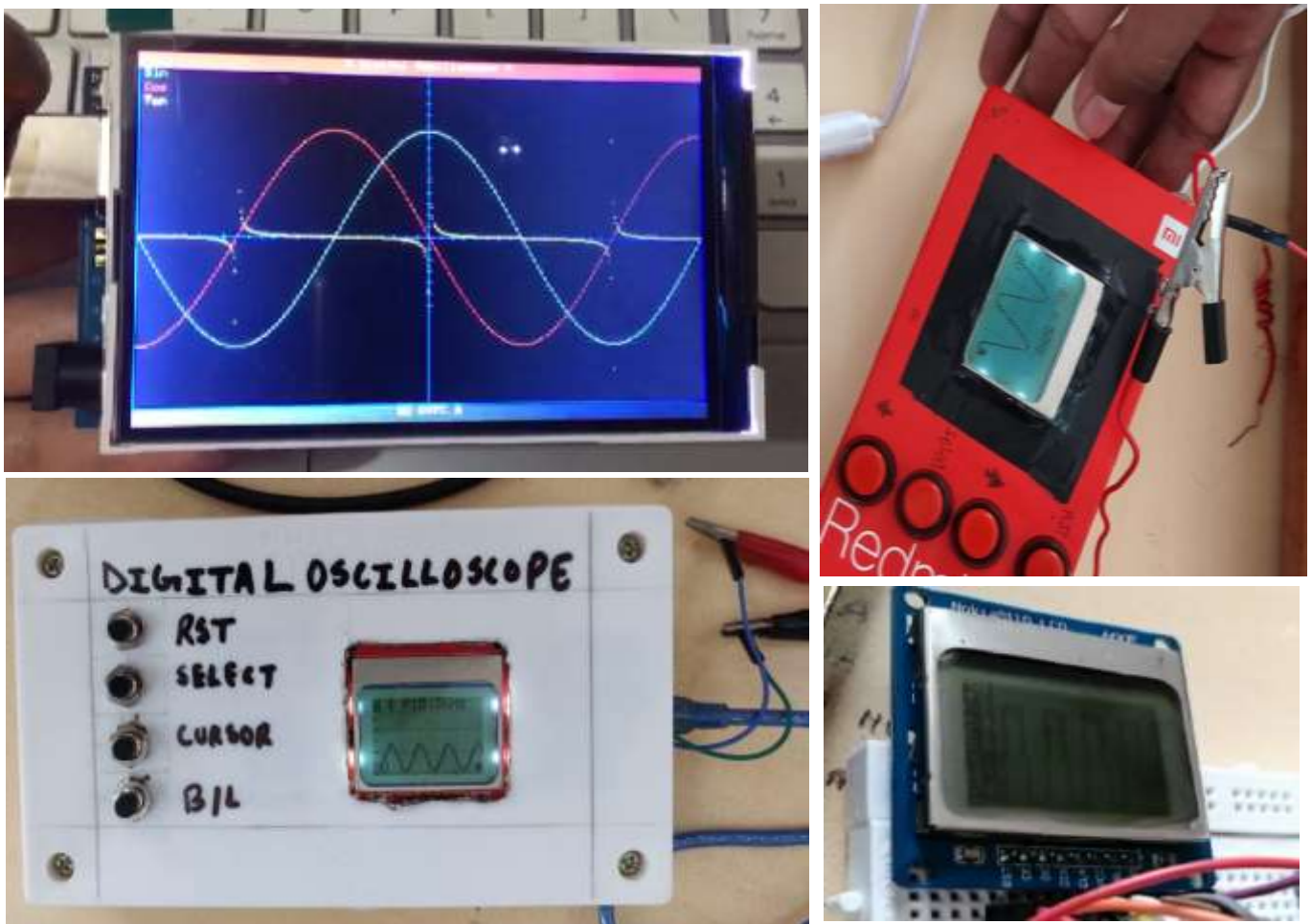


Figure 1. Digital Oscilloscope



Figure 2. Musical Fountain

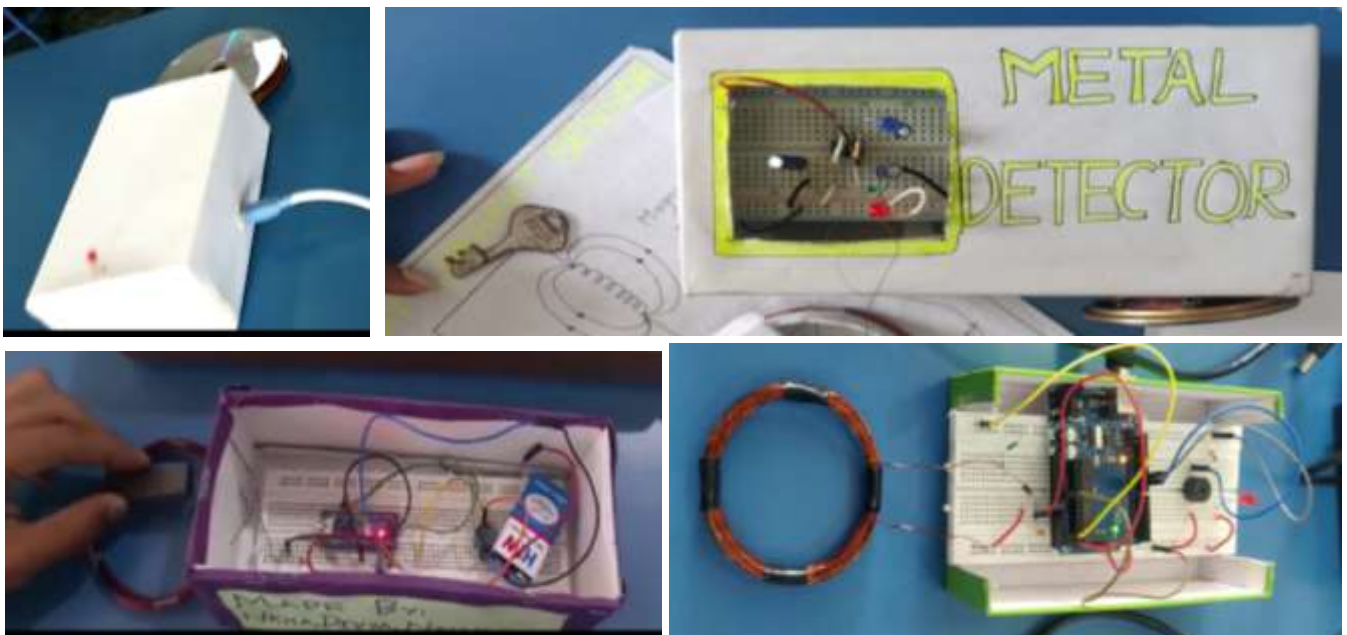


Figure 3. Metal Detector

Awarding the best projects



Figure 4. SE EXTC A (group awarded for making the best musical fountain)



Figure 5. SE EXTC A (group awarded for making the best digital oscilloscope)



Figure 6. SE EXTC A (group awarded for making the best metal detector)

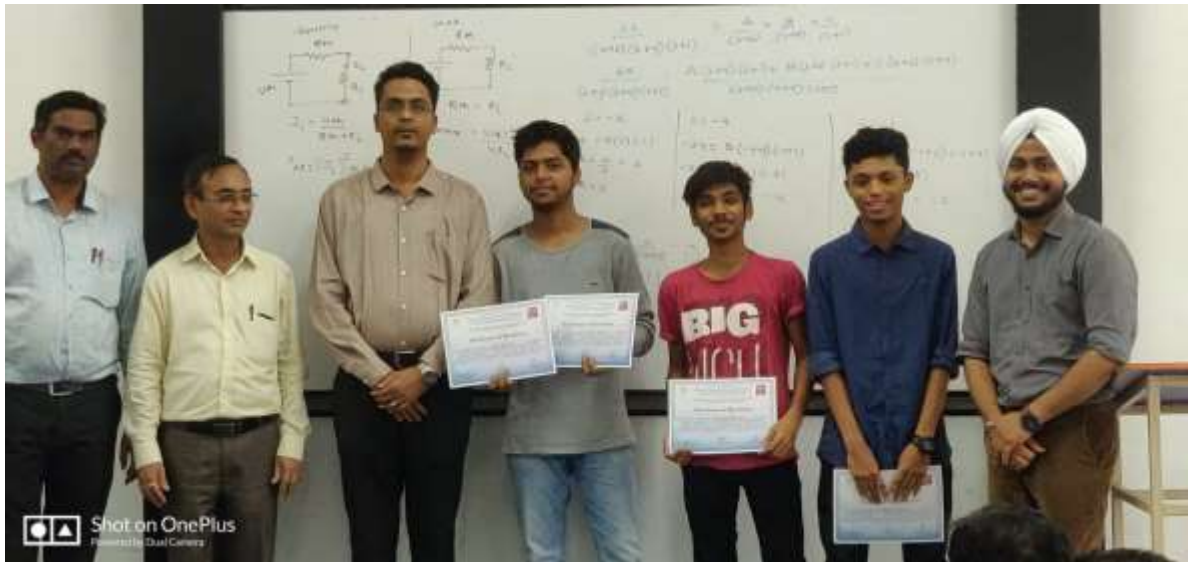


Figure 7. SE EXTC B (group awarded for making the best musical fountain)



Figure 8. SE EXTC B (group awarded for making the best digital oscilloscope)



Figure 9. SE EXTC B (group awarded for making the best metal detector)

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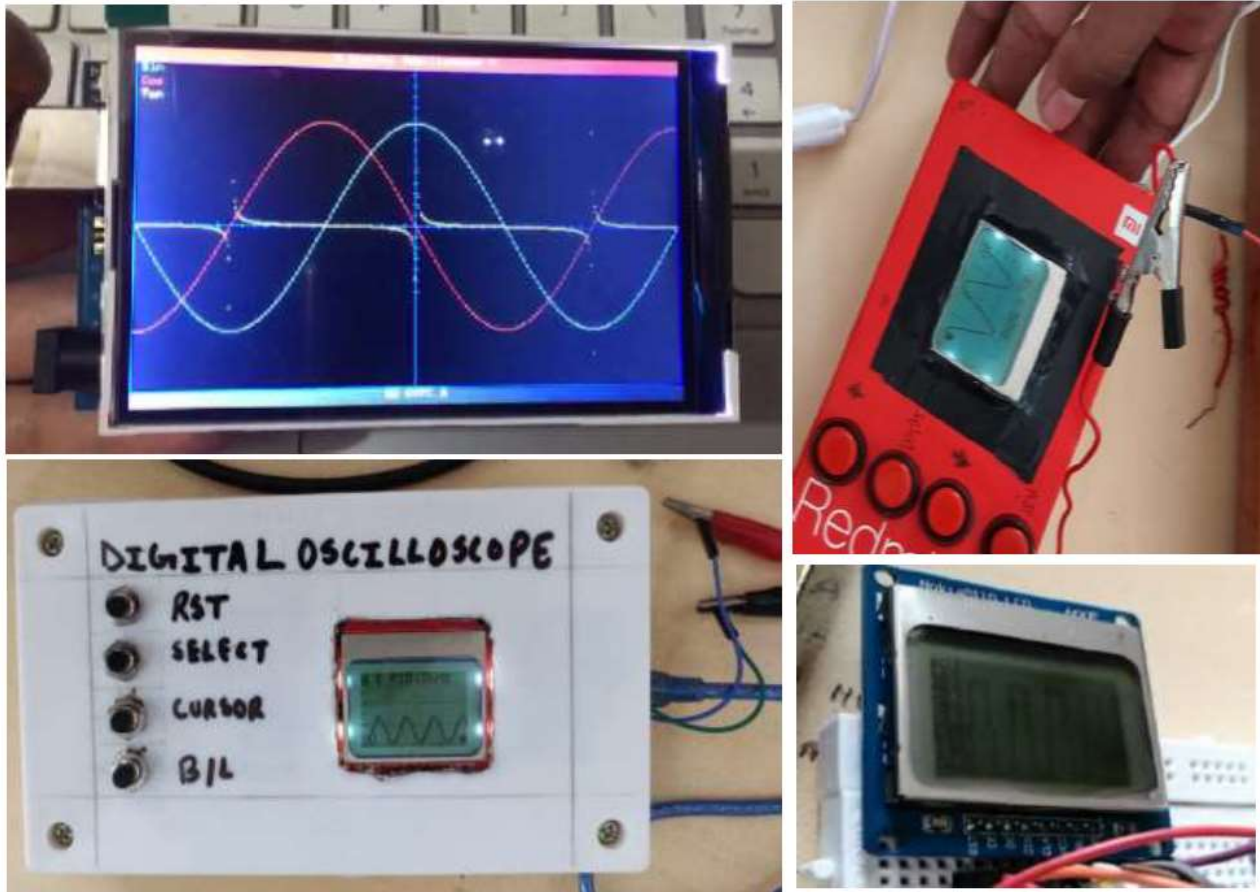
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Photographs of the PBL Projects

Awarding the best projects



