

## **Note for 9<sup>th</sup> and 10<sup>th</sup> experiments**

For both the experiments you may use your laptop. Software can be downloaded from <https://csparkresearch.in/expeyes17/>

### For 9<sup>th</sup> experiment

1. Familiarize with Seelab3.0
2. Following experiments: Transistor characteristics, Astable multivibrator with 555, Detecting led light with phototransistor and em\_induction to determine magnetic moment are mandatory
3. Number of turns of the coil for em\_induction is 3000.

### For 10<sup>th</sup> experiment

1. Familiarize interfacing with python for Seelab 3.0
2. Try few experiments by writing your own code instead of using existing code
3. Try some experiments either to improve or which is not in the manual of expEyes-17. Every time use your own code.