



**Sou. Sushila Danchand Ghodawat Charitable Trust's
Sanjay Ghodawat Group of Institutions**

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Department of Electronics and Telecommunication Engineering

End Semester Report of Embedded Systems Lab

We at department of E&TC indeed very happy to announce that, our 40 students have completed the free online course conducted by *Eduvance*. During this short period students got interest in Cypress BLE kits. Many of them are coming up with different project ideas to solve real life problems. The details of the students and list of activities are provided herewith. We thank *CUA* for providing hardware and *Eduvance* and *GradeMe* team for their support.

Mahantesh P Mattada

Lab In-charge

Activity Report:

After receiving the Cypress BLE Kit. We

- Identified Suitable Lab for students to practice. Installed PSoC software for 40 computers.
- 3x4 Board showing the information of the sponsored lab at the lab entrance to showcase
- Information about the lab setup at departmental meeting to aware faculties.
- Demonstrated important feature/capabilities of Cypress PSoc4 BLE at all UG and PG classrooms. Thereby, Motivated students to register for the free online course.
- Collected information of registered students and identified free slots of lab and students to practice. Also, shared course material and links to reach every individual student.
- At the end of the semester students attended online test conducted by GradeMe

Projects Carried out:

Along with the list of experiments given by *Eduvance*, we motivated students to carryout simple projects. List of few completed projects as given below.

- ON/OFF Control of home appliances using PSoC 4 BLE and Mobile
- Speed Control of Motor using PSoC 4 BLE and Capsense
- Light Intensity Control using PSoC 4 BLE, USB Dongle and Capsense

