

B.Sc.(Computer Science)

Electronics Department

Name of the Course: Hobby projects using Arduino/8051 microcontroller

Eligibility: 12th pass with Physics and Mathematics

Duration: 36 hours

Fees: Will be announced before starting the course.

Number of students: 60-80 students (in a batch)

Objectives of the Course:

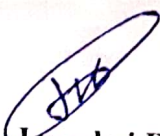
1. To learn basics of Arduino and 8051 microcontroller
2. To learn programming of Arduino and 8051 microcontroller

Syllabus:

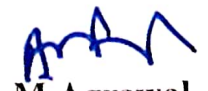
1. Fundamentals of Arduino and 8051 microcontroller
2. Introduction to programming of Arduino and 8051 microcontroller
3. Serial and parallel interfacing
4. Interfacing of LED, sensor, switch, relay.
5. Development of hobby projects

Course Outcomes:

1. Students will learn fundamentals of Arduino and 8051 microcontroller
2. Students will learn basic programming Arduino and 8051 microcontroller
3. Students will develop hoppy projects using Arduino/8051 microcontroller


Dr. Jayashri Bangali
Course Coordinator, B.Sc. (CS)




Dr. A.M. Agrawal
Principal