

**Department
of
Computer Applications**

St. Edmund's College



**Report on
Value added course on
“Basics of Microcontroller using Arduino”**

The Department of Computer Application conducted a value-added course on the “**Basics of Microcontroller using Arduino**” from 19th August 2021 to 26th August 2021 in online mode via google meet platform. The session was of 60 mins in duration and were taken by **Melvin S Majaw, faculty member, Department of Computer Application**.

The VAC was open for the students of the Department of Computer Application only and 20 students registered and received E-certificates after successfully completing the course.

The course focused on microcontroller, which is a compact integrated circuit designed to govern a specific operation in an embedded system. A typical microcontroller includes a processor, memory and input/output (I/O) peripherals on a single chip.

Microcontrollers are found in vehicles, robots, office machines, medical devices, mobile radio transceivers, vending machines and home appliances, among other devices. They are essentially simple miniature personal computers (PCs) designed to control small features of a larger component, without a complex front-end operating system (OS).

Objectives of the Course

- To provide knowledge of different Smart System applications.
- To familiarize students with Arduino as IDE, programming language & platform.
- To provide knowledge of Arduino boards and basic components.
- Develop skills to design and implement various smart system application.
- Develop skills in analysing the usability of hardware.

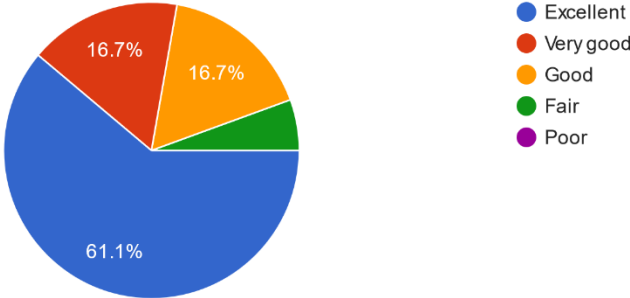
Goals

- Familiar with Arduino environment and its applications.
- Able to understand Arduino programming with C++.
- Able to Design Smart systems applications.
- Learn and understand about any new IDE, compiler, and MCU chip in Arduino compatible boards or similar types

Course Feedback

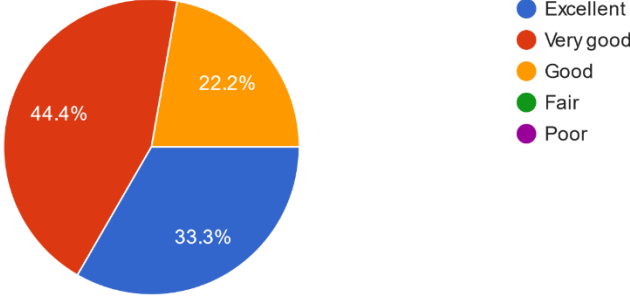
The course as a whole was

18 responses



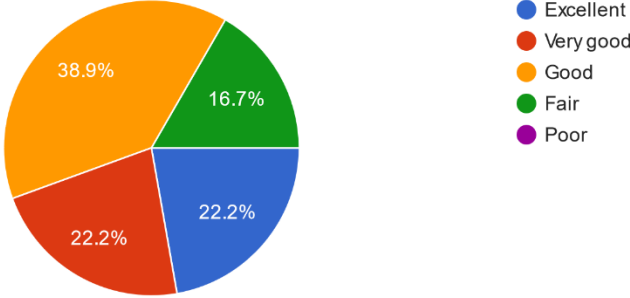
The course content was

18 responses



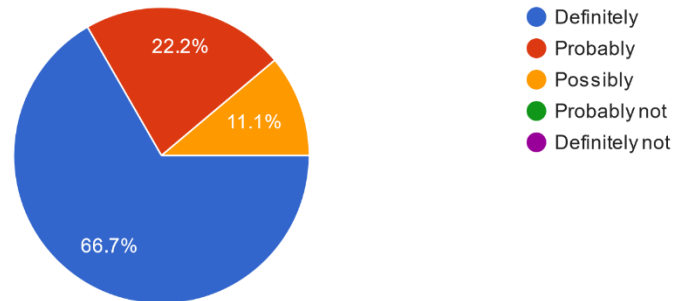
Length of the course

18 responses



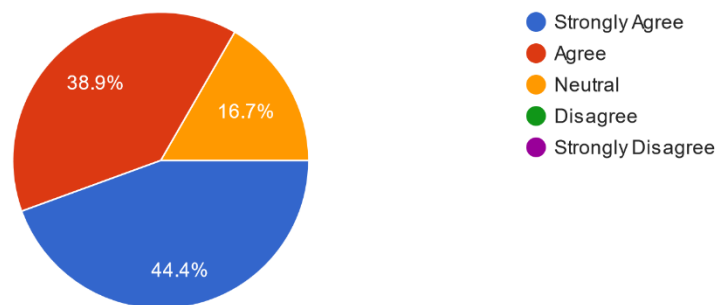
I would like to join for further advance course on Micro-controller

18 responses



I believe I can implement what I have learnt in my future project

18 responses



Any other comments regarding the course

11 responses

It was Best Course During this Hard Time

It was a very interesting Course, Got to learn many things

Good experience learnt something different but strongly feel that practical class in this topic will help learning easier.

Was very interesting but sadly it was for a shorter period. It would have been better if we had more time and got few classes offline with more experiences, etc.
But still a very Good course.
Thank you.

Knowledgeable

Much appreciation to Sir Melvin for giving us such an amazing learning opportunity.

From my point of view I would like to say there should be more value added course as we stay at home feeling bored

Screenshots

