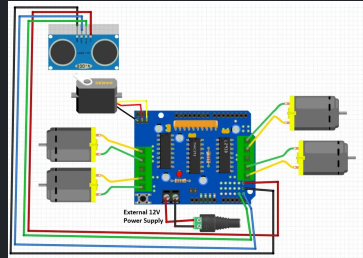# MUCU

Smart Automobile
With Automatic Navigation

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Bangladesh University of Engineering and Technology (BUET)

Smart Automobile

A smart vehicle designed to respond to users' commands seamlessly. Besides,this intelligent marvel boasts an automatic navigation system powered by GPS. Beyond the basics, the smart car is equipped with obstacle detection mechanisms and with additional features such as exploration capabilities and advanced security monitoring

Modes of Operation:

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i. **Manual Mode:** controlled by the user using Bluetooth , voice control, etc.

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iii. **GPS Navigation :** navigates itself using GPS and goes to destination latitude and longitude.

Key Components

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- Bluetooth Module

- Camera Module

- Wi-fi Module for live streaming

Why Arduino

- Need libraries for gps and bluetooth modules

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- To make the overall project compact and portable

Features

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- Automatic Path finding

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- Location Tracking

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