

Project Design Phase-II

Technology stack

Date	15th October 2022
Team ID	PNT2022TMID34106
Project Name	Smart waste management system for metropolitan cities
Maximum Marks	4 Marks

Technical Architecture:

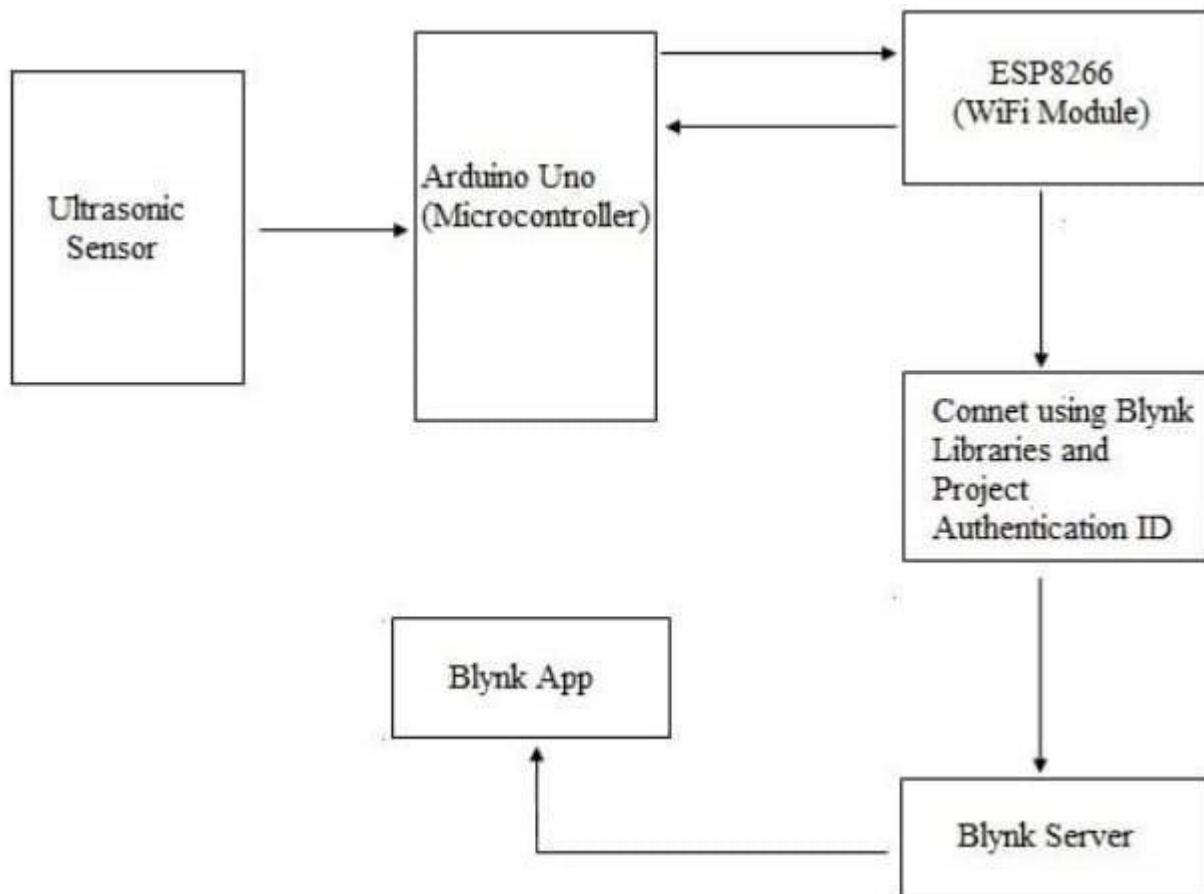


Table : Components & Technologies:

S.No	Component	Description	Technology
1.	Ultrasonic Sensor	The Ultrasonic Sensor is used to measure the distance with high accuracy and stable readings. It can measure distance from 2cm to 400cm or from 1 inch to 13 feet.	special Sonic transducer,java,c,c++
2.	Arduino Uno	Arduino is an open source, PC paraphernalia and programming organization, endeavour, and client group that plans and produce microcontroller packs for constructing programmed devices and intelligent object that can detect and control questions in the real world.	IDE,ATmega328P
3.	ESP8266	It can communicate with any microcontroller and make the projects wireless.The ESP8266 has 8 pins ,the VCC and CH-PD will be connected to the 3.3V to enable the Wi-Fi.	wi-Fi module
4.	Blynk-App	It allows you to create amazing interfaces for your projects using various widgets which are provided. Blynk Server: – It is responsible for all the communications between	NodeJS

		the smartphone and hardware.	
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