



Sukanya

Registration No.: 21BAC10022

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[LinkedIn](#)

[GitHub](#)

Technical Skills: Java, C, IoT, Embedded Hardware, Circuit Design and Analysis, LTspice, MATLAB

Certification: MATLAB Fundamentals, MathWorks, May 23

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (ECE)	Aug 2021 – Ongoing	Vellore Institute of Technology, Bhopal	8.82/10
Class XII	March 2020	Jawahar Navodaya Vidyalaya, Mirzapur	94.4%
Class X	March 2018	Jawahar Navodaya Vidyalaya, Mirzapur	87.6%

ACADEMIC PROJECTS

▪ **Motion Detection Camera using Mobile Camera (Aug' 22 – Oct' 22)**

Description: Arduino-based home security system for capturing the real-time image of someone's movement using a mobile.

Main Components: Arduino-Uno, Ultrasonic sensor, wired earphone, mobile phone

Link – [Project Report](#)

▪ **IoT-based Smart Helmet for Industrial Workers (Dec' 22 – Mar' 23)**

Description: IoT-based smart helmet for industrial workers to detect the real-time location, environmental conditions and sometimes some hazardous conditions

Main Components: Arduino-Uno, ESP8286, Temperature sensor, Gas sensor, Humidity sensor, Buzzer module

Link – [Project Report](#)

▪ **Smart Bin (Sept'23 – May'24)**

Description: The smart dustbin project uses Arduino, GPS, GSM, and servo motors for real-time waste management. It notifies authorities when bins are full and provides real-time status on a website, optimizing waste collection and enhancing urban cleanliness.

Main Components: Arduino Uno, Ultrasonic Sensor, IR Sensor, Servo Motor, GSM & GPS Module

Link - [Project Report](#)

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	<ul style="list-style-type: none">▪ 1st rank in class 12th PCM▪ IMO Regional Selection'16
Responsibilities	<ul style="list-style-type: none">▪ Research team core member, Ramanuja club▪ Member, AIEM club
Extracurricular	<ul style="list-style-type: none">▪ First Place, Tug of war Tournament (Intra-University Tug of war Competition) Sep'22▪ First Place, Kabaddi Tournament (Intra-University Kabaddi Competition) Aug'22▪ Participation in Heritage Hues Event, Meraki - The Fine Arts Club – VIT Bhopal▪ Participation in XPOTECH project expo, Advitya'24

ADDITIONAL INFORMATION

Hobbies	<ul style="list-style-type: none">▪ Playing Games & Badminton, Watching Cricket, Photography
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