

PROJECT BUDGET SHEET

Date: November 5, 2023

Project Title: DROWSY GUARD

Project Synopsis : The IOT system analyzes changes in the driver's eye movement and blinking patterns. Using Machine Learning, If the system detects that the driver's eyes are closed for an extended period, it sounds an alarm to alert the driver. For heart attack detection, the system analyzes changes in the driver's skin color and temperature. If the system detects abnormal readings, it automatically calls for emergency medical assistance.

Team Members:

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Project Components:

S.No	Component Name	Quantity	Price
1	Raspberry Pi 5 Model B 8GB RAM	1	7,070 INR
2	SD Card 64 GB (Storage)	1	440 INR
3	Raspberry PI 5MP Camera Board Module	1	510 INR
4	Alarm sound module	1	117 INR
5	NEO-6M GPS Tracker	1	390 INR
5	AWS IoT Cloud subscription for ML models (Per Month)	-	*
Total			8527+(*) INR

Justification: The budget for this project is reasonable and necessary to complete the project successfully. The Raspberry Pi module is the most expensive component, but it is essential for controlling the system. The sensors and actuators are also necessary to collect data from the environment and control the device. The networking equipment is needed to connect the system to the internet, which will make emergency calls based on prediction.

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