TOP STUDENT PROJECTS

Best innovations from UBDTCE, Davangere

PROJECT TITLE

A.E.G.I.S



Team 1

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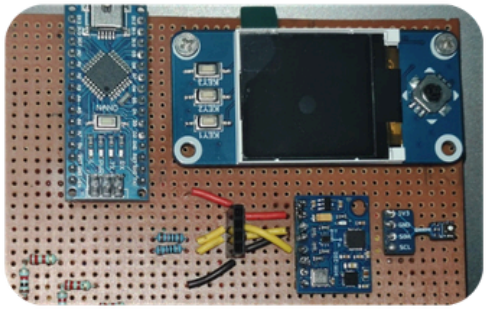


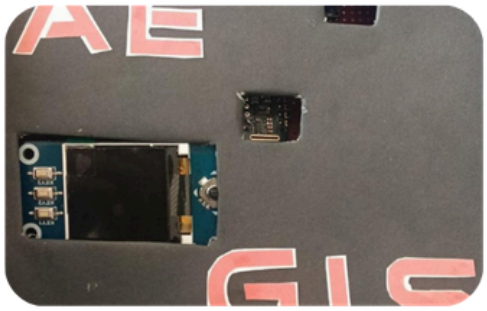
PROBLEM STATEMENT

Current smartwatches are not designed to function reliably in life-threatening survival situations due to their dependence on batteries, internet connectivity, and limited emergency capabilities. As a result, users may face difficulties in accessing critical survival support during emergencies in remote or disaster-affected areas.

SOLUTION

To create a reliable offline survival smartwatch for emergencies. Reliable offline operation with long-lasting emergency support. Built a prototype survival smartwatch with health monitoring, offline AI, and SOS alert features. The device continuously tracks vital health parameters and assists users during critical situations. It also provides emergency guidance and distress alerts, making it suitable for use in remote or disaster-affected areas. The smartwatch is designed to function efficiently with low power consumption, extending its usability during emergencies. The system enhances user safety by providing quick access to critical information and support when conventional communication networks are unavailable.





SCAN ME

Technology stacks:

- Raspberry pi
- Heart rate sensor
- LoRa for long range SOS communication
- GPS module
- Battery
- Gas sensor
- Camera module