

AEROScout

Disaster Victim Localizing Device



Description

Victims of disaster are very difficult to locate and rescue due to the randomness of disaster scenarios. Furthermore, time is a very crucial factor during Search & Rescue missions.

Probabilities of survival can be increased by a rapid localization and accurate estimation of the person's position. Use of Unmanned Aerial Vehicles (UAVs) increases the viewing area and helps in covering significantly large area.

We formulated a design by utilizing drones and deploying artificially intelligent image processing techniques that would solve this need.

Guide



Asst. Prof.
Pradipta Biswas

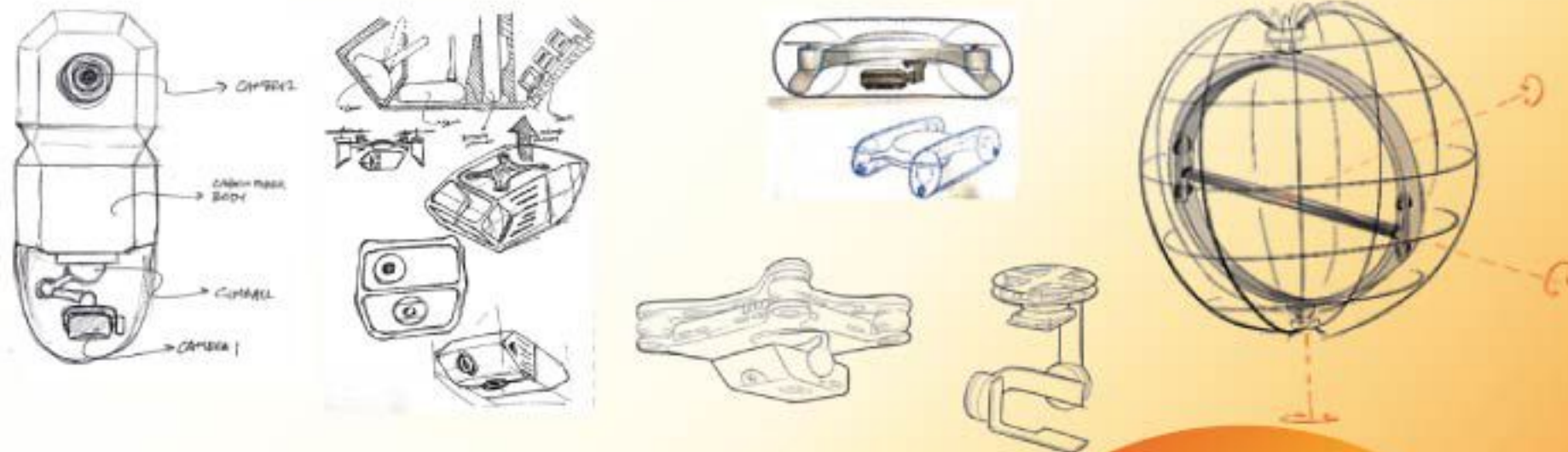
Students



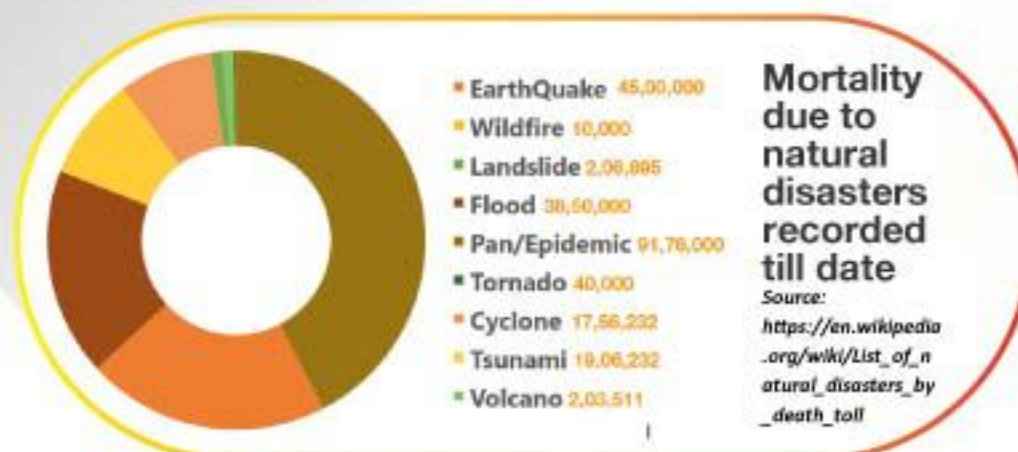
Soham
Chakraborty



Logasrinivasan.
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SENSOR NODE
BASE STATION
Physical Model

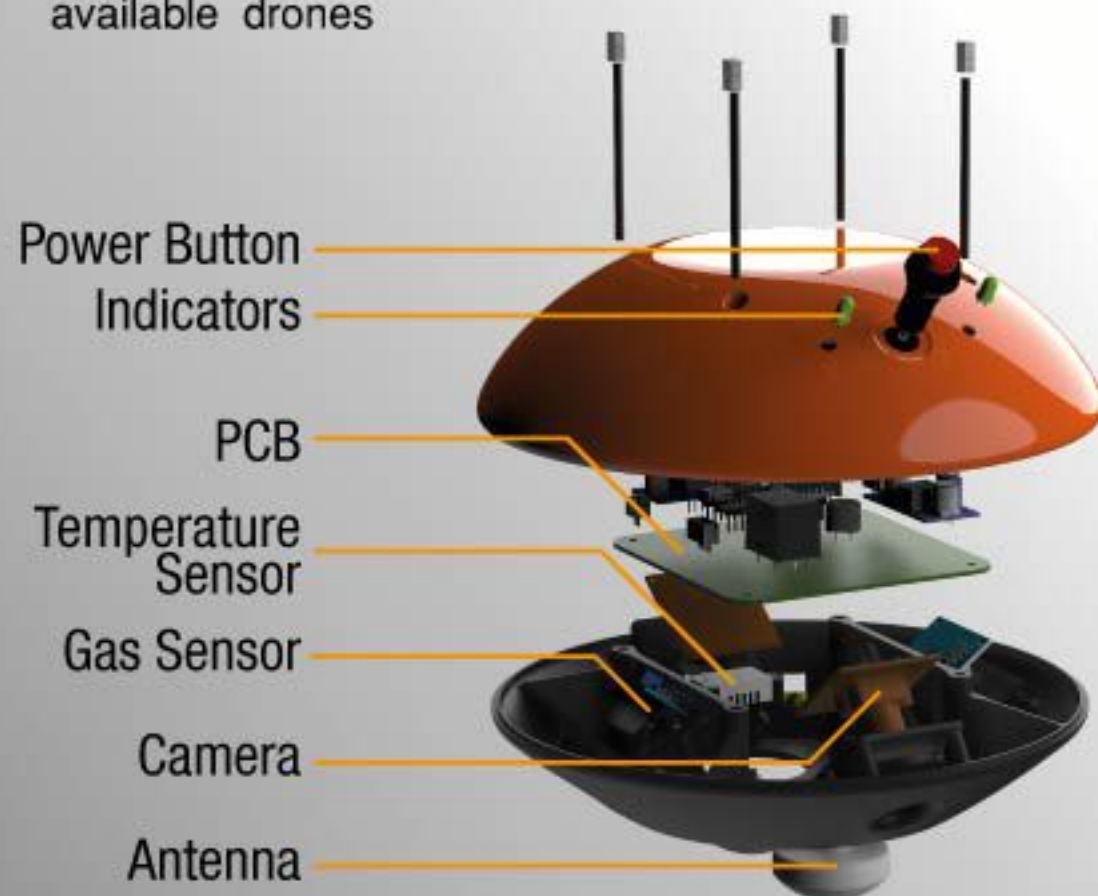


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USP/Features

- Lightweight and high level of ingress protection ensures safe and reliable operation
- Base station connects to PC image processing and detects human from drones eye view
- Power independent 1000mAH internal battery
- Near real time feedback from two onboard interchangeable cameras and sensors
- Affordable and can be fitted to commercially available drones



Base Station sends the received video feed and an AI algorithm is run in near real time

