**LIFE SAVING HELMET**

**Abstract**

Every year, countless lives are lost in road accidents—especially among two-wheeler riders—simply because help doesn’t arrive in time. What if a helmet could be smart enough to call for help when you can’t?

This project presents a life-saving helmet designed to detect accidents and automatically alert emergency contacts with the rider's exact location. It works by using a vibration sensor to detect unusually strong impacts that may indicate a crash. When such an event is detected, the system activates a GPS module to fetch real-time location data and sends a text message via a GSM module to a preset phone number. The message includes a Google Maps link, making it easy to locate the rider instantly.

Completely automatic and built into the helmet itself, this system ensures that in moments when the rider may be unconscious or unable to respond, help is already on the way. It's a small step with a potentially life-changing impact—using simple technology to make roads a little safer.