

# PROJECT REPORT

**“Intelligent Device for Safety of Women, Mentally and Physically Challenged Ladies and Children Using Embedded System”**

**(Sponsored by Karnataka State Council For Science and Technology (KSCST), Bangalore)**

Submitted in partial fulfillment of the requirements  
for the Eighth semester of the degree of

**Bachelor of Engineering  
in  
Computer Science and Engineering  
of  
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**Carried out by**

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## **Abstract**

The incidents of rape, assault, molestation, kidnapping reported from across the country, the need for apps or tool that give protection to people specifically mentally challenged girls and children has increased. This is an innovative idea on how people can be protected with the help of technology as almost everyone these days carries a mobile or a tech device. The device is based on GPS and GSM technology especially for women, mentally challenged girls and children who are in distress and want help in any type of emergency situations using a “Single Click Distress” signal. This signal will establish communication with family, police, hospitals and fire stations at the first sign emergency to get immediate help. The device is an embedded system based on the GPS & GSM technology to receive the SMS sent by the instrument for immediate help. This is a unique method of designing and assembling a control system for people to live in peace and safe. By using this intelligent and safety device every individual can able to protect themselves. This project it can be easily implemented in real time environment. Let this project be a boon to every individual specifically women, mentally challenged girls and children.

### **Keywords:**

GPS, GSM, Single Click Distress and SMS