

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 20__)

NAME OF LAB COORDINATOR: Dr. Priyanka Yadav

TITLE OF PROJECT: Emergency Help app

PROJECT TRACK: (Tick the appropriate one / ones)

<input checked="" type="checkbox"/> 1. R&D (Innovation)	<input type="checkbox"/> 2. CONSULTANCY (Fetched from Industry)	<input checked="" type="checkbox"/> 3. STARTUP (Self-Business Initiative)	<input type="checkbox"/> 4. PROJECT POOL (From IBM / INFOSYS)	<input type="checkbox"/> 5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

This mobile application is developed to provide check and quick emergency assistance to users in distress situations. It allows user to send their real-time location, a custom SOS message, and alerts to predefined contacts or emergency services with a single tap. It is targeted towards personal safety, especially women.

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
Android Studio	Neurkat	Software	Mobile App Development
Firebase	latest	Software	Realtime database authentication
XML/Java	NA	Software	Frontend & Backend Logic
Google Maps API	NA	Software	Location Tracking & Routing

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
User Authentication	Secure Login via Firebase authentication
SOS Trigger	Shake device to send alert + play siren
Location Trigger	Auto send the last known GPS coordinates to contact

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Anirudh Soni	VII ITA-G1	8619196833	Backend	Firebase Integration
Aditya Mishra	VII ITA-G1	9799056497	UI/UX Design	Frontend Design
Chetan Singh	VII ITA-G1	9571907939	Map & APIs	Testing

NOTE: 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.