SAFETY
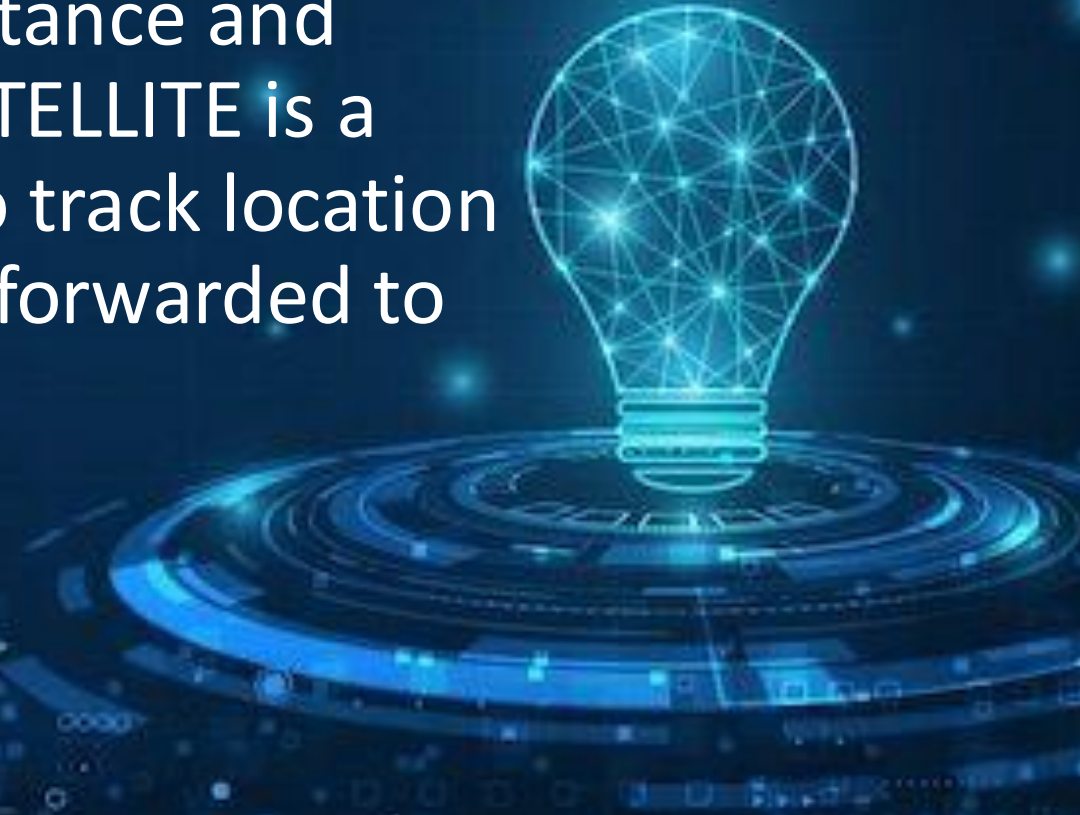
TRACKER

TEAM NAME : SPACE INSIDER

SAFETY DETECTOR is a life-saving technology that enables rapid response to critical situations, ensuring timely assistance and minimizing harm. SATELLITE is a major source used to track location and the alert can be forwarded to nearby devices.

Key Features

1. Instant Alert: Quick notification to emergency services.
2. Location Sharing: Real-time location tracking.
3. Emergency Contacts: Notifications can be forwarded to nearby surroundings through mobile phones.
4. Audio/Video Recording: Evidence collection.

According to recent data:

National Crime Records Bureau(NCRB) reported over 32,000 rape cases in 2023, with a significant rise in reported cases in 2024.

Conviction Rate: Only about 30% of rape cases result in convictions, highlighting issues within the judicial system.

Age Group: The majority of victims are between 18-30 years old.

As of March 2023, the police-to-population ratio in India was 153 police personnel per 100,000 citizens

IMPORTANCE

1. Saves Lives
2. Reduces Response Time
3. Enhances Community Safety
4. Provides Peace of Mind
5. Encourages Responsible Behavior

Activation Methods

1. Button Press (e.g., Apple Watch)
2. Voice Command (e.g., "Hey Siri, safety tracker")
3. Gesture Activation (e.g., triple-clicking the side button)
4. Automatic Detection (e.g., fall detection)

ADVANTAGES

Life-Saving Benefits

1. Rapid Response: Immediate alert to emergency services.
2. Quick Assistance: Faster arrival of medical help.
3. Enhanced Safety: Priority attention for critical situations.

Convenience and Accessibility

1. Easy Activation: Simple, intuitive interface.
2. Universal Accessibility: Available on various devices.
3. Global Coverage: Functional in multiple countries.

Societal Benefits

1. Community Safety: Enhanced protection for all.
2. Crime Reduction: Deterrent effect on potential perpetrators.
3. Improved Healthcare: Data-driven insights for medical research.

DISADVANTAGES

Technical Limitations
1. Battery Life: Limited battery life of devices.
2. Device Malfunction: Technical failures or glitches.
3. Interference: Signal interference or disruption.

False Alarms and Misuse
1. Accidental Activation: Unintended triggering.
2. Prank Calls: Misuse by individuals.
3. False Emergencies: Wasting resources.

Privacy and Security Concerns
1. Data Breaches: Unauthorized access to sensitive information.
2. Location Tracking: Privacy invasion.
3. Audio/Video Recording: Potential for misuse.

THANK YOU!!!

SUBMITTED BY :

AKSHAJ K
C S SWATHY
ANJANA K R
ANGITHA C L
GAWTHAM KRISHNA
ELFRED SEBASTIAN