

Madras Christian College (Autonomous)
Department of Computer Science (MCA)

Proforma for Students' Proposal for the "Best Innovator Award" Contest
Sept 2024

1. Title of the Proposal: **"SOS Hand band for Women Safety"**
2. Nature of the Proposal: Team (Discipline-specific)
3. Details of the team members:

Name: Grace B
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Class: II MCA
Course: M.C.A
Department: Department of Computer Science
Stream: SFS

Name: Yuvaraj C
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Class: II MCA
Course: M.C.A
Department: Department of Computer Science
Stream: SFS

4. Summary of the Proposal (not more than 150 words):

The SOS Hand Band is a discreet wearable device designed to enhance the safety of women and girls in emergency situations. Unlike mobile-based SOS features, which can be difficult to access under stress, this hand band allows users to quickly and subtly send an SOS signal by either pressing a hidden fingerprint button for 5 seconds or using personalized voice recognition triggered by a distress call at a specific decibel level.

When activated, the band instantly sends the user's GPS location and personal details to the police and optional emergency contacts. It is lightweight, durable, and comfortable for everyday wear, with long battery life and real-time GPS tracking. This

device offers a reliable, non-intrusive way for girls to seek help without drawing attention, increasing their chances of timely intervention.

The SOS Hand Band provides an essential layer of protection, offering peace of mind to both the wearer and their families.

5. Novelty / USP of the proposal:

Yes

The SOS Hand Band stands out with its discreet activation via fingerprint sensor and personalized voice recognition, allowing quick, subtle SOS alerts without needing a phone. This wearable ensures immediate access to help, even in high-stress situations.

6. Potential to convert the above process or product into a patent or business ideation:

Yes

7. Are you interested in taking your idea to the start-up stage?

Yes

8. Details of Mentor from the Department (faculty) if any, or self-innovation by student:

Self-innovation by student

9. Relevance of the Innovation in resonance with the campus need (if any):

No

Signature of the proposed inventor/s:

B. Grace.

C. Y. Q.