PAPER PUBLICATION STATUS

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AUTHORS	**:** Dr. Sabitha R, Rathi Devi J, Jegan G
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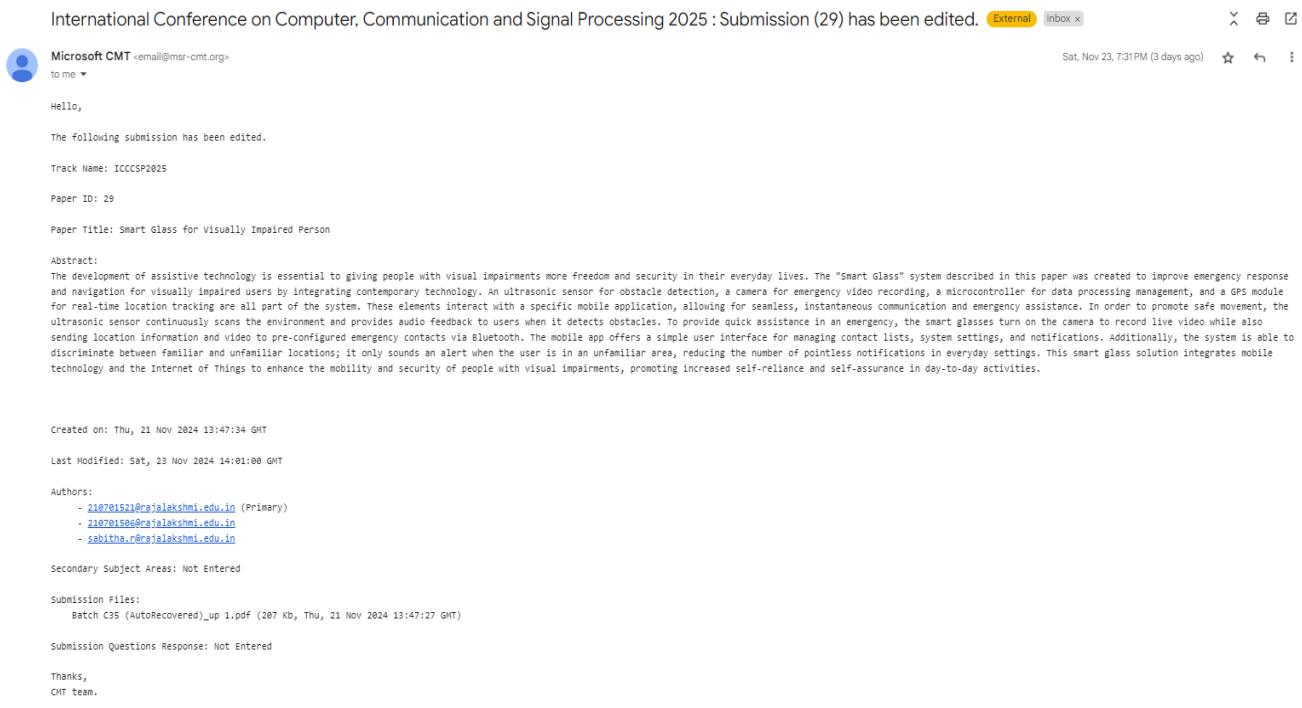

International Conference on Computer, Communication and Signal Processing 2025 : Submission (29) has been edited. External Inbox ×

Microsoft CMT <email@msr-cmt.org> Sat, Nov 23, 7:31 PM (3 days ago)
to me

Hello,

The following submission has been edited.

Track Name: ICCCSP2025

Paper ID: 29

Paper Title: Smart Glass for Visually Impaired Person

Abstract:
The development of assistive technology is essential to giving people with visual impairments more freedom and security in their everyday lives. The "Smart Glass" system described in this paper was created to improve emergency response and navigation for visually impaired users by integrating contemporary technology. An ultrasonic sensor for obstacle detection, a camera for emergency video recording, a microcontroller for data processing management, and a GPS module for real-time location tracking are all part of the system. These elements interact with a specific mobile application, allowing for seamless, instantaneous communication and emergency assistance. In order to promote safe movement, the ultrasonic sensor continuously scans the environment and provides audio feedback to users when it detects obstacles. To provide quick assistance in an emergency, the smart glasses turn on the camera to record live video while also sending location information and video to pre-configured emergency contacts via Bluetooth. The mobile app offers a simple user interface for managing contact lists, system settings, and notifications. Additionally, the system is able to discriminate between familiar and unfamiliar locations; it only sounds an alert when the user is in an unfamiliar area, reducing the number of pointless notifications in everyday settings. This smart glass solution integrates mobile technology and the Internet of Things to enhance the mobility and security of people with visual impairments, promoting increased self-reliance and self-assurance in day-to-day activities.

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Authors:
- 210701521@rajalakshmi.edu.in (Primary)
- 210701506@rajalakshmi.edu.in
- sabitha.r@rajalakshmi.edu.in

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Submission Questions Response: Not Entered

Thanks,
CMT team.