

NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES

(KARACHI CAMPUS)

FAST School of Computing

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## Project Proposal: [****Smart attendance System]****

**Abstract:**

The **Smart Attendance System Using RFID** and **Bluetooth** project aims to develop a cost-effective, accurate, and real-time solution for tracking attendance using embedded systems and wireless communication. This project addresses the inefficiencies and inaccuracies of traditional manual attendance methods by leveraging **RFID technology for user identification** **and Bluetooth (HC-05)** modules for seamless data transmission. The system functions by scanning RFID cards with unique identifiers, which are then processed by an Arduino microcontroller and sent via Bluetooth to a mobile device for attendance logging and further processing. This approach ensures reduced human error, enhances data security, and simplifies attendance management. The final outcome will be a working prototype demonstrating the integration of RFID and Bluetooth technologies to create a practical and reliable attendance tracking system.

**Group Members:**

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**Remarks:**

Approved Not Approved