K. V. PENDHARKAR COLLEGE OF ART'S, SCIENCE & COMMERS (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE

Topic Name : To Develop Secure Scientific Calculator For Solving Mathematical Problem During Examination.

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Category – UG Engineering And Technology

Title : To Develop Secure Scientific Calculator For Solving Mathematical Problem During Examination.

Abstract

The aim of this research paper to create a specialized scientific calculator application adapted for exam environments. The application incorporates a robust scientific calculator, a countdown timer, and stringent security measures to prevent cheating. Key features include device lockdown, anti-tamper mechanisms, and real-time monitoring with a buzzer alert. The app's architecture involves a user-friendly calculator interface, efficient calculation logic, a reliable timer, and secure access controls. Advanced features such as device sensor utilization and Bluetooth integration for a buzzer alert enhance the app's security and integrity.

The conclusion of these research paper to securely conduct the exam from the exam department avoiding cheating and frauds

Keywords: Scientific Calculator, Exam App, Security, Anti-Tamper, Device Lockdown, Timer, Buzzer Alert.