

**Dept. of Computer Science and Engineering (Data Science)**  
**Adichunchanagiri Institute of Technology, Chikkamagaluru**

**Mini Project Synopsis**

**TITLE: Smart Attend:A Real-Time Attendance Tracking System for Educational Institution.**

**Problem Statement:**

To design and implement a system that can accurately track and record the attendance of students in real-time , reducing ,manual effort and improving monitoring accuracy.

**Description:**

This project involves developing a system that automatically tracks and records the attendance of students using mobile apps. The project typically stores the attendance data and allows the students to receive notifications if their attendance falls below a certain threshold(85%). This system will provide a user-friendly interface for teachers to manage attendance data, generate reports and send notification to students.

**Expected Outcomes:**

The project will result in a functional system capable of accurately tracking and recording attendance with a high degree of accuracy and efficiency. It will contribute to improved monitoring and management of attendance, reducing manual effort and improving student or employee accountability.

**Technologies and Tools:**

- **Languages:** Python, JavaScript, MongoDB
- **Libraries/Frameworks:** Flask or Django (for web development), React or Angular (for frontend development)
- **Hardware:** RFID readers, mobile devices
- **Optional:** Integration with databases (MySQL, MongoDB) for student information storage .

**Team Members:**

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**Signature of the Guide with date**

**Signature of the Coordinator with date**