

PONDICHERRY UNIVERSITY
(A Central university)



DEPARTMENT OF COMPUTER SCIENCE

MASTER OF COMPUTER SCIENCE

ZEROth REVIEW PROJECT REPORT

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TITLE OF THE PROJECT: CLASSROOM MANAGEMENT SYSTEM

COURSE: MSC II – YEAR

UNDER THE GUIDANCE: DR. M.NANDHINI

CLASSROOM MANAGEMENT SYSTEM

Project Abstract:

The **Classroom Management System (CMS)** is a mobile application designed to enhance the academic experience for both students and teachers by streamlining classroom operations and fostering collaboration. Developed using **React Native**, the app offers a cross-platform solution that can be deployed on both iOS and Android devices. This system provides an all-in-one platform for managing assignments, tracking attendance, facilitating real-time communication, monitoring student progress, and organizing resources.

The app empowers teachers to manage their classrooms efficiently by creating, assigning, and grading assignments, while students can submit work, track their academic progress, and access study materials on the go. Features such as real-time messaging, personalized goal setting, and skill progression tracking allow for dynamic interaction between students and teachers, ensuring a more engaging and interactive learning environment.

The mobile app is designed with a focus on simplicity, intuitive navigation, and responsiveness, making it accessible to all users regardless of their technical expertise.

Overall, the **Classroom Management System (Mobile App)** seeks to transform the traditional classroom setting by leveraging modern mobile technologies to create an interconnected learning space that is both efficient and engaging for all stakeholders.

Key Features:

1. User Authentication & Profiles
2. Real-Time Communication between Teacher-student,Teacher-parent
3. Assignment Management&Grading system
4. Attendance Tracking
5. Progress & Performance Monitoring
6. Complaints & Feedback System
7. Conduct exams and quiz
8. Resource Repository
9. Goal Setting & Achievement Badges
10. Calendar Integration
11. Digital Portfolio for Students
12. File Sharing and Version Control
13. Push Notifications & Alerts
14. Parent Portal
15. Feature for posting blogs
16. Offline accessibility of resources
17. Discussion forum for teachers and students