**Nexusmart**

**(An integrated classroom management system)**

*Batch No:2*

**Abstract:**

The education sector demands efficient tools to manage student information, attendance records, and academic resources. Our Web Application addresses this need by offering a comprehensive solution. The main challenges are managing attendance efficiently, keeping track of notes, scheduling classes, and providing a user-friendly interface. Our application simplifies the above tasks.

Existing solutions often focus on specific aspects, such as attendance or note management. However, few provide a holistic approach that encompasses attendance, note sharing, scheduling, and student information management. While some applications offer note management, they lack integration with attendance records. Our application builds upon these concepts, integrating attendance and note management, while also incorporating class scheduling and student information management. This comprehensive approach sets our application apart from existing solutions and provides a seamless experience for both teachers and students.

In conclusion, our Web Application offers a comprehensive solution to challenges faced in educational environments. By integrating attendance management, student information storage, note sharing, class scheduling, and a CGPA calculator, our application enhances the overall teaching and learning experience. The use of Material Design ensures an elegant and user-friendly interface. Our application aims to bridge the gap between administrative tasks and academic resources, providing educators and students with a powerful tool to streamline their tasks and enrich their educational journey.

**Requirements:**

1. News And Events
2. Student Information Storage
3. Course Enrollment Analysis
4. Branch Wise Students Performance Analysis
5. Assessment , Grading and Report Generation
6. Student Course Enrollment
7. Customized Quizzes
8. Upload video and Documentations for each Course
9. Attendance Management
10. Recent Activity Tab
11. PDF Generator for Students Grade Report and Course Documentation
12. Semester Info and Scheduling
13. User Authentication and Management
14. Session Management and Time Table Info

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