**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 Android 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 Android 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. Attendance Management
2. Student Information Storage
3. Attendance Editing
4. Note Repository
5. Automated Note Notifications
6. Class Scheduling
7. CGPA Calculator
8. Simple and Material designed interface
9. Assessment and Grading
10. Integration with Calendar Apps
11. Customizable Themes
12. Offline Mode
13. Timetable Generation
14. Announcement Board
15. Progress Reports
16. Classroom Surveys

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| --- | --- | --- |
| Paruchuri Naga Sai Ruthwik | - | 21BQ1A42D8 |
| Yaddanapudi Bindu Varsha | - | 21BQ1A42I2 |
| Vuha Chandrika Ippala | - | 21BQ1A42I1 |
| Sangisetty Deepika | - | 21BQ1A42F6 |
| Raavi Chandu | - | 21BQ1A42F0 |
| Popuri Rishitha | - | 21BQ1A42E5 |
| Somu Nandini | - | 21BQ1A42G6 |
| Podila Sai Niharika | - | 21BQ1A42E4 |
| Paleru Anudeep | - | 21BQ1A42D7 |
| Vegi Charan Sai Venkat | - | 21BQ1A42H9 |
| Srungarapati Deepika | - | 21BQ1A42G7 |
| Miriyala Kiranmai | - | 21BQ1A42D1 |
| Parasa Hari Sai | - | 22BQ5A4213 |
| Seelam Siva Sai Giri | - | 22BQ5A4216 |
| Challa Srishanth | - | 21BQ1A42I7 |

**Project Team:**

Signature of the Guide

**Sameerunnisa Mam,** Asst. Prof.