

Prepwise: A Smart AI-Driven Study Planner for Improving Student Productivity

Mrs. Saily Sisodiya, Mr. M.R. Shaikh, Ms. Apurva Chavhanke, Ms. Gayatri Dange, Ms. Ishwari Bhakare, Ms. Mansi Mahajan

Principal, Department of Computer Technology, Sanjivani K.B.P Polytechnic, Kopergaon, Research Scholar, Department of Computer Technology, Sanjivani K.B.P Polytechnic, Kopergaon

E-Mail Id: apurvachavanke68@gmail.com, dangegayatri32@gmail.com,
ishwaribhakare3@gmail.com, mansimahajan2503@gmail.com

ABSTRACT

Today, students face a lot of problems in managing their studies, assignments, and daily tasks. Many students use different apps for notes, reminders, and planning, but using too many apps can become confusing and sometimes reduces productivity.

So, to solve this problem, this project introduces **PrepWise**, which is an AI-based study and productivity assistant. It helps students organize their studies in an easy and smart way. The system can create study plans, manage tasks, send reminders, and track progress.

PrepWise takes basic information like subjects, study goals, available time, and exam dates. Based on this, it creates a study plan and also gives simple suggestions to improve study habits.

The main aim of this project is to make study planning simple and help students do better in their academics.

INTRODUCTION

In today's time, students have to manage many things like different subjects, assignments, projects, and exams. Along with this, some students also take part in other activities. Because of this, it becomes difficult to manage time properly.

Most students still use notebooks or basic apps to plan their studies. These methods help, but they are not smart enough to guide students properly.

Now, with the help of Artificial Intelligence (AI), we can create systems that can understand student needs and give useful suggestions.

PrepWise is made to make study planning easy. It combines everything like planning, tasks, reminders, and tracking in one place so students don't have to use multiple apps.

LITERATURE SURVEY/REVIEW

There are many apps available that help people manage tasks and schedules. Students use these apps to create to-do lists and set reminders.

But most of these apps are general apps and not specially made for students. They do not provide study plans or smart suggestions.

Research shows that AI can help students by understanding their study patterns and giving better suggestions.

Still, many apps do not provide all features in one place like planning, tracking, and suggestions together.

PrepWise solves this by combining all these features into one system.

METHODOLOGY

The development of the PrepWise system follows a structured approach to ensure that the system meets the needs of students.

1. . Data Collection

First, the system collects information like:

- Subjects
- Study goals
- Available time
- Assignment deadlines
- Exam dates

2. Study Plan

Then it creates a study timetable based on the data.

3. Task Management

Students can add their tasks and mark them as completed.

4. Tracking

The system tracks how much the student studies and completes tasks.

5. Suggestions

It gives simple suggestions like studying more for difficult subjects or taking breaks.

CONTENT

1. User Profile Module

This module allows students to create their profiles and enter academic details such as subjects, goals, and available study hours.

2 Study Planning Module

This module generates personalized study schedules based on user input and academic priorities.

3 Task Management Module
Students can add assignments, set deadlines, and create to-do lists. Tasks can also be marked as completed.

4 Reminder and Notification Module

The system sends reminders to help students remember upcoming tasks, study sessions, and exam schedules.

5 Productivity Monitoring Module

This module tracks study progress, completed tasks, and overall productivity.

6 AI Suggestion Module
Based on user activity and study patterns, the system provides smart suggestions to improve study habits.

FOCUS AND SCOPE TABLE

Focus Area	Description
Target Users	School and college students
Purpose efficiently	Help students manage studies
Key Features	Study planner, task manager, reminders, productivity tracking
Technology	Artificial Intelligence and web technologies
Benefits	Better time management and study organization
Future Expansion	Mobile application, AI chatbot, voice assistant

RESEARCH AND REVIEWS

This system helps students manage their studies in a better way. Students can:

- Plan their studies
- Manage tasks
- Get reminders
- Track progress

It helps them follow a proper routine and not miss deadlines. The system is simple and easy to use.

RESULTS & DISCUSSION

The implementation of the PrepWise system demonstrates how digital tools can support students in managing their academic activities more effectively.

The system successfully generates study schedules based on user inputs and helps students organize assignments and tasks. Reminder notifications help students avoid missing deadlines, while productivity tracking allows them to monitor their progress.

Initial feedback suggests that the platform is easy to use and useful for maintaining a structured study routine. The AI-based suggestions also help students adjust their study strategies when needed.

DISCUSSION

The results indicate that integrating study planning with productivity tools can significantly improve academic organization. Students benefit from having all their study information in one place instead of using multiple applications.

Although the current system provides useful features, there is still potential for improvement. Adding advanced AI models, performance analytics, and deeper learning insights could further enhance the system.

CONCLUSION

PrepWise is a smart study and productivity assistant designed to help students organize their academic activities in a simple and efficient way. By combining study planning, task management, reminders, and productivity tracking, the system provides a structured approach to managing studies.

The project shows how Artificial Intelligence can be used to support students in improving their study habits and managing their academic responsibilities more effectively.

With further development and advanced AI integration, PrepWise has the potential to become a powerful digital learning companion for students.

FUTURE SCOPE

In the future, we can add:

- Chatbot for doubts
- Voice assistant
- Mobile app
- Performance prediction
- Study reports
- Focus mode

These improvements can make PrepWise a more advanced and complete digital learning assistant.

REFERENCES

- Sharma R., 'Smart Learning Portal using AI Evaluation,'IEEE,2023.
- Patel,K., 'Adaptive Question Generation for E-Learning,'Springer,2022.
- Mehta,A., 'AI-Driven Academic Analytics,'Elsevier,2024.
- Desgmukh,A., 'Machine Learning-based Learning Assesment Tools,'IJERT,2023.