

Dr Jitendra Dabral --- Assignment

Use Case: Student Support System in Schools

In schools, students often require timely access to information, guidance, and administrative support. However, due to limited staff and many students, everyday queries such as timetable schedules, homework updates, exam dates, or contact details of teachers often go unanswered promptly, affecting learning continuity.

Problem Definition: Lack of Timely Information and Overloaded Staff

Students waste valuable time trying to get basic information by repeatedly approaching teachers or office staff. This not only hampers their academic focus but also increases the burden on the school's administrative team.

Proposed AI Agent: AI-Based Student Assistant

We propose an AI-powered Student Support Assistant integrated with the school's website or app. This virtual assistant will respond instantly to student queries via text or voice. It will provide information about class schedules, exam dates, attendance records, homework updates, and teacher availability. The system will continuously learn and improve through machine learning.

Expected Impact: Measurable Benefits

- 70% time saved in resolving routine queries
- 50% reduction in staff workload
- Improved student satisfaction scores from 3.8 to 4.9/5

This AI solution will enhance operational efficiency and provide students with a seamless support experience.