

## **ABSTRACT**

The smart academic scheduler aims to help students and teachers stay organized and up-to-date at all times. A person may apply for a course from the college website. These applications are collected and a rank list is prepared by an admission in-charge. A selected number of students are invited to the college for interview and further admission process at the discretion of the admission-in charge. After the admission procedure, the data of these students are automatically sent to the corresponding head of department. The HOD adds the admitted students to the department, and thus batches of students are formed. The HOD allocates subjects and batches to teachers.

This system features an automated timetable generation algorithm which generates a timetable with no clashes in the timings. The system uses genetic algorithm, which is a machine learning algorithm that falls under the umbrella of evolutionary algorithms. This timetable can be viewed by the teachers and students. Furthermore, it also features an attendance management system for student attendance. The attendance for individual hours gets updated according to the timetable.