FINAL YEAR PROJECT

Group-14 - Automatic Course Scheduler.

Co-Ordinator: **DR. AARIJ MAHMOOD HUSSAAN.**

Group 14 Members:

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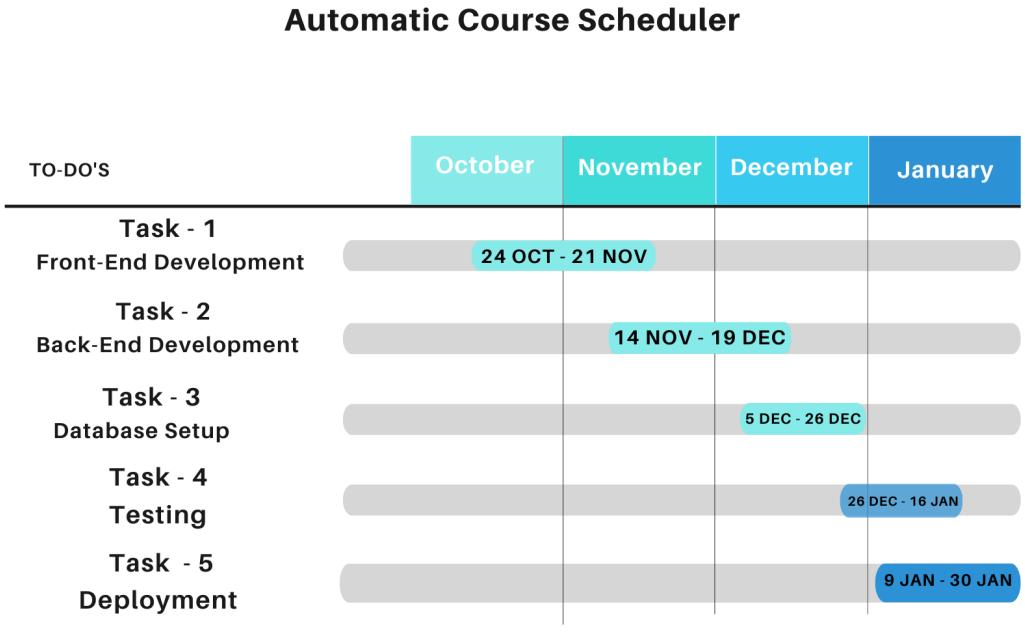
Gantt Chart:



Week 1 to 4: Designing Front End And UI: -
Design and implement the user interface for the course scheduling web application. This phase focuses on creating the visual and interactive aspects of the system. The front end is where the administrator interacts with the system and the instructors can see their schedules.

Weeks 3-8: Back-End Development:
Develop the server and application logic, including the implementation of the genetic algorithm for course scheduling. This task encompasses creating the core functionality of the system. The backend is where the processing for generating optimized scheduling begins. The genetic algorithm uses its functions such as cross-over, mutation and evaluate the finest solution.

Weeks 6-9: Database Setup:
Configure and set up the database to store course, user, and scheduling data. This task aligns with back-end development to ensure the integration of data storage.

Weeks 9-12: Testing:
Test the application thoroughly to make sure the essential functions work correctly and reliably, identifying and fixing any issues. Resolve the issue faced in the period of testing that occurs and make sure the application works fine.

Weeks 11-15: Deployment:
Deploy the fully tested application to a hosting environment, making it accessible to users. This task ensures that the system is live and ready for use. The hosting environment can be GitHub pages and the free or low-cost environment such as Heroku which initially charges 5 to 7 dollars per month for hosting small projects and concepts.