Project Name

# “Faculty Scheduling System”

Background

Faculty Scheduling System simple project that will help a specific school manage their faculties’ schedule. The system has two sides: the school management side of the system admin and the faculty. The system admin can manage all data in the system, including the list of courses, subjects, and faculty lists. The courses and subject data are used for the information needed when the schedule of the faculty is for his/her class with students. Using this system, the faculty can only view their classes, meetings, or other important scheduled programs. The faculty schedules are listed on the calendar view and have an option for the view: the daily, weekly, and monthly view of the schedule list.

Problem Statements

Faculty members have individual preferences and constraints regarding class times, availability, and workload. Existing systems do not adequately accommodate these individual needs, leading to faculty dissatisfaction and potential burnout. Scheduling conflicts, such as overlapping class times or overburdened faculty, frequently occur, leading to disruptions in the academic calendar and reduced teaching quality. Communicating schedule changes, updates, and individual responsibilities among faculty and staff is inefficient and can lead to misunderstandings. To address these challenges and enhance the overall academic experience, there is a need for a comprehensive Faculty Scheduling System.

Business objective and preliminary requirement.

The business objective of a Faculty Scheduling System is to efficiently manage and optimize the allocation of faculty members to courses and classes within an educational institution.

User Authentication: Implement secure login and access control for administrators, faculty members, and other relevant users.

Course and Class Information: Capture and maintain data on courses, class sections, timings,

Scheduling Algorithms: Develop algorithms to automate the scheduling process, considering factors like faculty availability, preferences

Conflict Resolution: Implement conflict detection and resolution mechanisms to handle scheduling conflicts,

Reporting and Notifications: Provide reporting tools for administrators to view schedules and send automated notifications to faculty members

Security: Implement data security measures to protect sensitive faculty and scheduling information.

Current situation and opportunity statement.

The current faculty scheduling system at our educational institution relies on manual processes and spreadsheets, leading to several challenges and inefficiencies:

To address the current challenges and improve the faculty scheduling process, we see an opportunity to develop and implement an advanced Faculty Scheduling System. Will be Conflict Resolution: Notifications: Feedback

Option and recommendations

Commercial Software Solutions:

Proven track record, support, and frequent updates. Evaluate various options based on your institution's specific needs

Data Security and Compliance: Protect sensitive information and maintain legal compliance.

Recommendation: Ensure the chosen system meets data security standards

Feedback and Continuous Improvement. Iterative enhancements and increased user satisfaction.

Recommendation: Create a culture of ongoing improvement.

Potential risks and mitigation plan

Data Security Risks:

Risk: Unauthorized access, data breaches, or loss of sensitive faculty and student information.

Mitigation: Implement robust user authentication and access control measures.

Risk: The system may not handle increased demand as the institution grows.

Mitigation: Select a system that can scale with your institution's needs.

**schedule estimate.** Hand over at the end of semester.

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| website  name | log in /log out | notification | Update  Schedule | Course list | Home page | Feedback |
| Scribd.com | yes | yes | yes | yes | yes | no |
| Slideplayer.com | yes | yes | no | yes | yes | no |
| Researchgate.com | yes | yes | no | yes | no | no |
| Inettutor.com | yes | yes | yes | yes | yes | no |
| FS.com | yes | yes | yes | yes | yes | yes |

BENCHMARKING:

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