

TIMETABLE MANAGEMENT SYSTEM FOR AN ACADEMIC INSTITUTION

PRESENTED BY

TEAM IRONY

NIKHILESH-3122 21 5001 060

MANICKAM-3122 21 5001 049

JAANUS SRI K G-3122 21 5001 037



PROBLEM STATEMENT

To formulate a simple and effective solution for academic institutions which ensures a systematic working of the institution by generating a timetable taking inputs from the user.

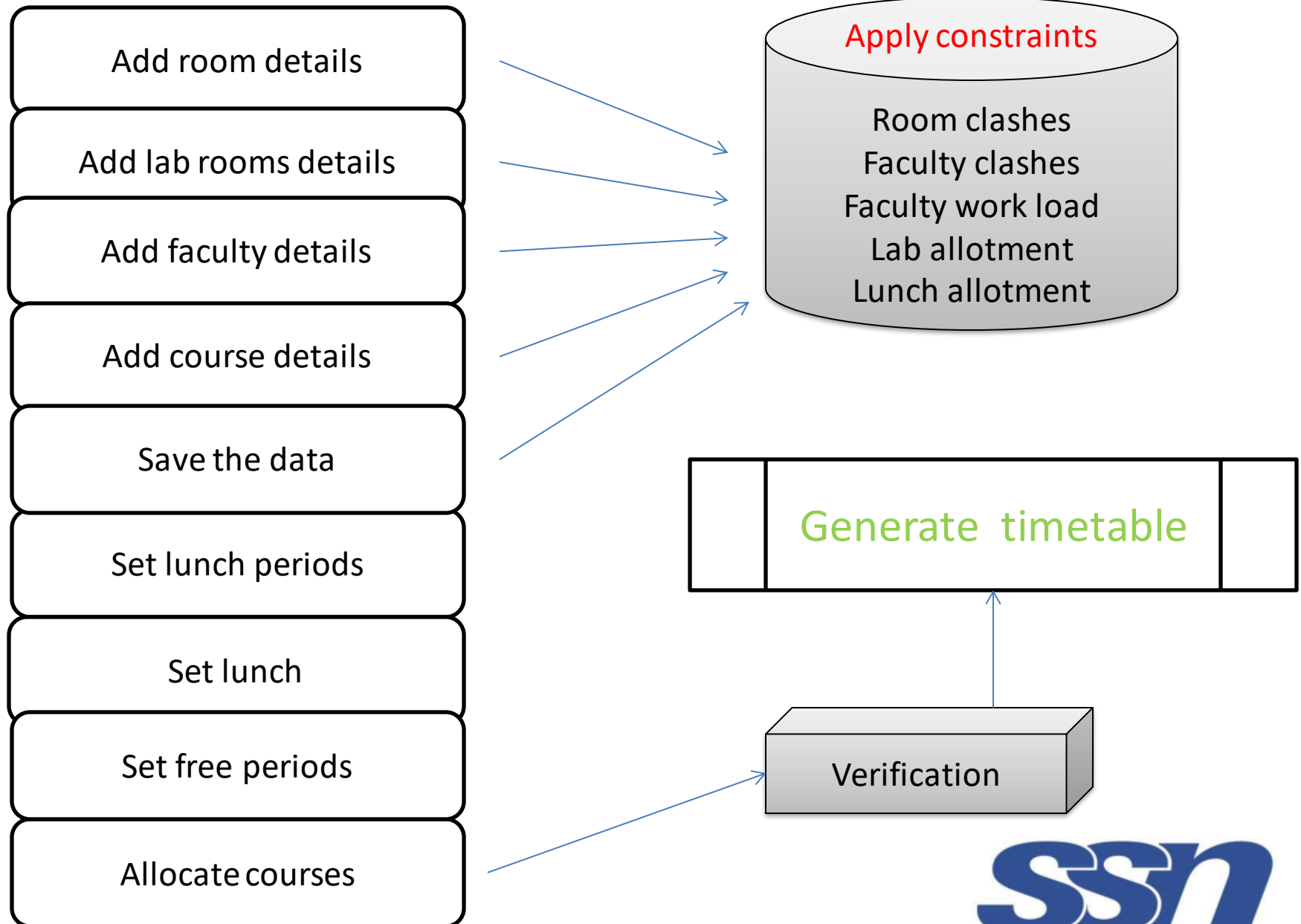
INPUT

- ☐ Classrooms (counts and names)
- ☐ Lab rooms (counts and names)
- ☐ Department (counts and names)
- ☐ Faculties (names)
- ☐ Courses (counts, names, credits)

OUTPUT

Timetable for students and teachers: Obeying all constraints and facing challenges like course units, lecture rooms, practical sessions without any collisions in lectures.

ARCHITECTURE DIAGRAM



Approach

Brute Force Algorithms are exactly what they sound like – straightforward methods of solving a problem that rely on sheer computing power and trying every possibility rather than advanced techniques to improve efficiency.

- **Definiteness:** Each step in the process is precisely stated.
- **Effective Computability:** Each step in the process can be carried out by a computer.
- **Finiteness:** The program will eventually successfully terminate.



□ References

- <https://www.educba.com/project-scheduling-techniques/>
- Timetable_Management_System_Web_Applicat.pdf
- <https://www.timetabler.com/newtimetablers/>
- J. J. Moreira, “A system for automatic construction of Exam Timetable using Genetic Algorithms,” Rev. Estud. Politécnicos Polytech. Stud. Rev., vol. 6, no. 9, 2008.