**SREE VIDYANIKETHAN ENGINEERING COLLEGE**

**(AUTONOMOUS)**

**Sree Sainath Nagar, Tirupati**

**DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING**

ABSTRACT

**Database Design for Managing Student Exams: Semester Exams Database.**

The Semester Exams database is designed to store information about student exams. The database includes several entities such as Student, Invigilator, Exam, Subject, Department, Exam Room, and Exam Seat. Students are identified by their unique Student ID and are associated with a Department. Each Department can offer multiple Subjects. Each Exam is associated with a Subject and is held in an Exam Room. Each Exam Room is associated with a Block.

Each Exam has one Invigilator and can host multiple Exam Seats. Each Exam Seat is assigned to a specific Student for a specific Exam. The Semester Exams database is designed to support the scheduling, management, and assessment of exams. It enables the efficient allocation of Exam Rooms and Invigilators, as well as the tracking of Exam attendance.The database can be queried to generate reports on Student performance, Exam attendance, and other relevant metrics.

Overall, the Semester Exams database provides a comprehensive and flexible platform for managing the complexity of exams at the institutional level, allowing educators to make informed decisions based on accurate data

By implementing this database design, educational institutions can efficiently manage student exams, track exam schedules, and generate reports based on exam data. The database can be further expanded to include additional entities, such as professors, courses, and departments, and incorporate additional attributes and relationships to meet specific requirements..

# G.ABHISHEK 21121A1533

# .D.SAI KIRAN 21121A1533