

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)



NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist), Pin-531162.

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Abstract

The **Smart Campus Analytics and Decision Support System** is a MySQL-based database project designed to organize and manage academic information in a structured manner. The system stores data related to **students, courses, attendance, and examination marks** using multiple relational tables to avoid data duplication and improve data clarity.

Attendance and marks data are used to evaluate student performance, and based on this evaluation, students are categorized into different **risk levels** such as *Low Risk*, *Medium Risk*, and *High Risk*. The analysis is performed manually by observing attendance and marks records, and the final evaluation results are stored in a separate table for reference.

This project demonstrates the practical use of SQL for **database creation, data insertion, and data retrieval**, and helps in understanding how structured databases can support academic monitoring. The system can be further enhanced in the future by automating the analysis process using advanced SQL queries or analytics tools.

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