

PROJECT REPORT

Title: Campus Resource Availability System

Course: B.Tech

Technology: Java

ABSTRACT

This project is a console-based Campus Resource Availability System developed using Java. It allows users to manage campus resources such as classrooms, labs, and projectors. Users can add resources, update their availability, and view free or occupied resources easily. The system reduces manual work and improves efficiency in campus management.

INTRODUCTION

Campus Resource Availability System is used to manage shared campus resources digitally. It helps students and faculty check the availability of classrooms, labs, and other resources without manual tracking. This project is designed for beginners to understand Java programming concepts and real-time system development.

OBJECTIVES

- To automate the process of tracking campus resources
 - To reduce manual work for students and faculty
 - To provide a simple and user-friendly system
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SYSTEM REQUIREMENTS

Hardware:

- Processor: i3 or above
- RAM: 4GB
- Hard Disk: 20GB

Software:

- Java JDK
 - Eclipse / VS Code
 - Windows OS
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MODULES

1. **Resource Management Module** – Add, update, and remove resources
2. **Availability Check Module** – View free/occupied resources
3. **File Storage Module** – Save and load resource information