BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)

COLLEGE OF ENGINEERING

DEPARTMENT OF ENGINEERING & TECHNOLOGY OFFCAMPUS, KHARGHAR, NAVI MUMBAI,410210

Mini Project Report

On

Student Management System

Subject-: - Object Oriented Programming

Presented By

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Signature of Internal Examiner **Signature of External Examiner**

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Abstract

A student management system (software) project is a web-based platform that allows schools and universities to take student data online for improved management and transparency. This project report for student management system will give you a broader knowledge of the system description including its' abstract, proposal, documentation, and source codes. The student management system project report contains the important methods and details in creating the project. The most important of which is to centralize the data administration and accessibility. Teachers will be able to input, maintain, and access student data more simply. Parents and guardians have a better understanding of how their children perform in class. The student management system project report is used to formulate the idea of minimizing administrations' workload in managing students' information. This project report simplifies the needed information, including tracking for both parents and administrative staff, by coordinating scheduling and communications between professors and students.

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Chapter 1

Introduction

In this article, we will show how to develop a Student Management System . With the use of this Command Line User Interface (CLI) system, Schools and Universities are the foundation of knowledge and an educational body on which students rely upon. Therefore, they need to maintain a proper database of its students to keep all the updated records and easily share information with students.

Most schools and Universities count on an advanced software tool knows as **'Student Information System (SIS)'** to keep all their student records and administrative operations including, examinations, attendance**,** and other activities.

Over the recent years, the performance and efficiency of the education industry have been enhanced by using the **Student Management System**. This tool has productively taken over the workload of the admin department with its well-**organized, easy, and reliable online school management software**.

The school administration department can track billing dates, induce late fee penalty, generate invoice, and automatically gets the report of received payments throughout the year.

Student Management System software is helpful for teachers and school supervisors and also support applications and dashboards effective for students and parents as well for communication and combined data collection.

The other names of Student Management System are Student Information System (SIS), Student Information Management System (SIMS) and Student Record System (SRS)**.**

With technology and urbanization, modern needs are rapidly growing. In order to keep the software the performance of the software streamlined as per the growing requirements, it always better to keep on adding new features to your tech stack. Below are the three integral new day features that should be embedded in School Management System:

Chapter 2

System Design

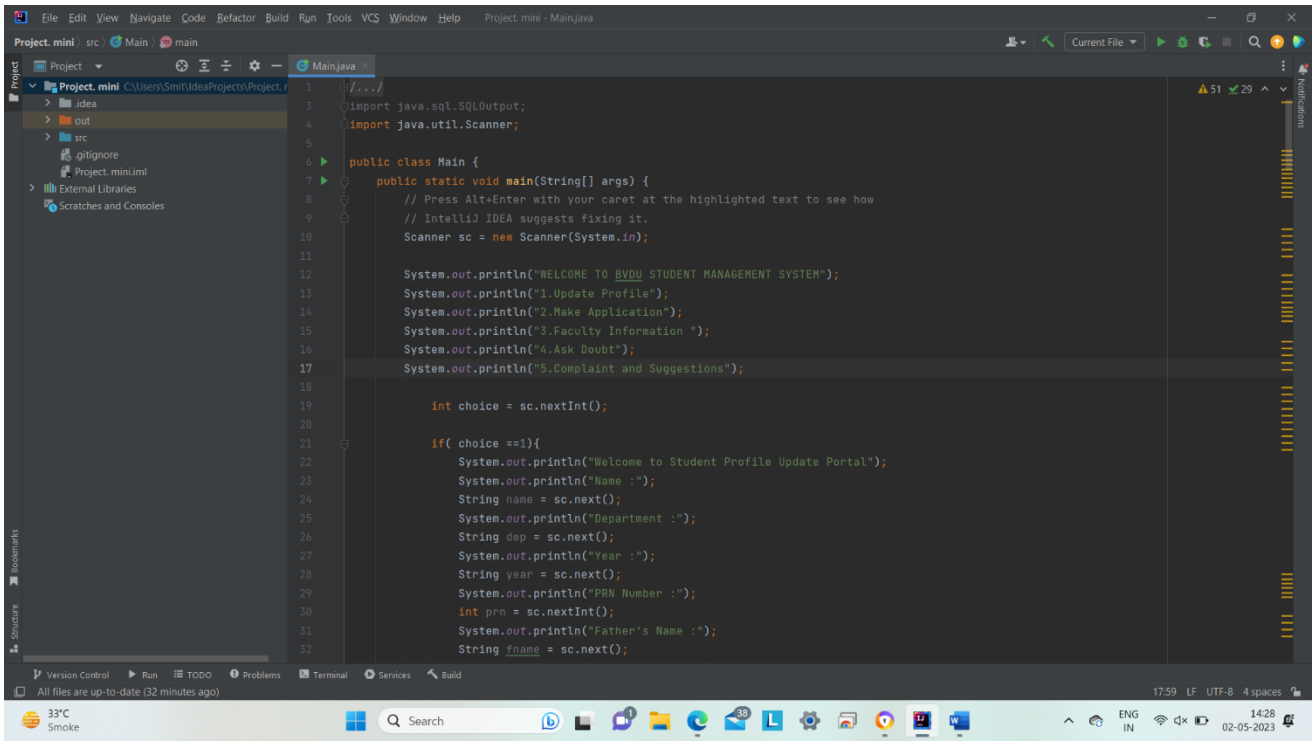
It is the inevitable outcome of higher education reform to carry out office and departmental target responsibility system, in which statistical processing of student's information is an important part of student's performance review. On the basis of the analysis of the student's evaluation, the student information management database application system is designed by using relational database management system software in this paper. In order to implement the function of student information management, the functional requirement, overall structure, data sheets and fields, data sheet Association and software codes are designed in details.

This system saves the time of the student and of the administrator. It includes processes like registration of the student's details, assigning the department based on their course, and maintenance of the record. This system reduces the cost and workforce required for this job. As the system is online the information is globally present to everyone.

The objective of Student information System is to allow the administrator of any organization to edit and find out the personal details of a student and allows the student to keep up to date his profile .It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So all the information about an student will be available in a few seconds. Overall, it'll make Student Information Management an easier job for the administrator and the student of any organization. The main purpose of this SRS document is to illustrate the requirements of the project Student information System and is intended to help any organization to maintain and manage its student's personal data.

Chapter 3

Implementation



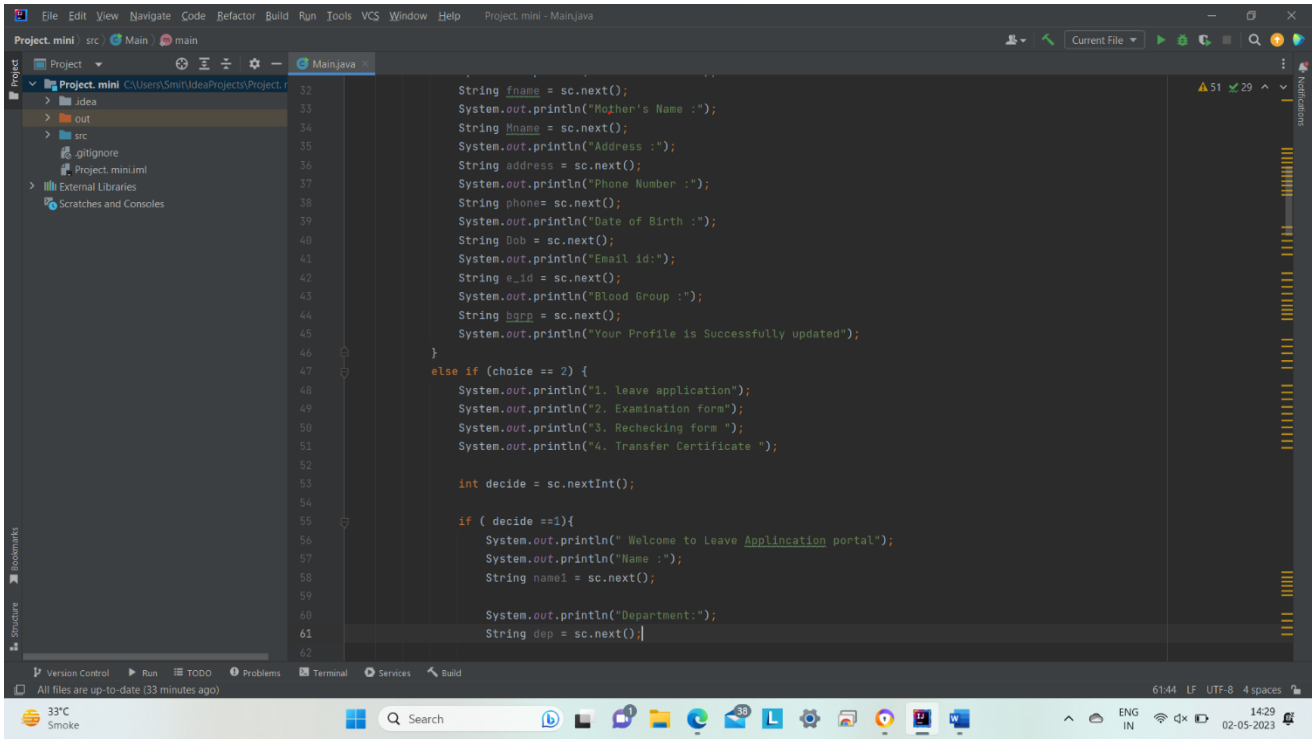
```
/.../
import java.sql.SQLOutput;
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        // Press Alt+Enter with your caret at the highlighted text to see how
        // IntelliJ IDEA suggests fixing it.
        Scanner sc = new Scanner(System.in);

        System.out.println("WELCOME TO BVDU STUDENT MANAGEMENT SYSTEM");
        System.out.println("1.Update Profile");
        System.out.println("2.Make Application");
        System.out.println("3.Faculty Information ");
        System.out.println("4.Ask Doubt");
        System.out.println("5.Complaint and Suggestions");

            int choice = sc.nextInt();

            if( choice ==1){
                System.out.println("Welcome to Student Profile Update Portal");
                System.out.println("Name :");
                String name = sc.next();
                System.out.println("Department :");
                String dep = sc.next();
                System.out.println("Year :");
                String year = sc.next();
                System.out.println("PRN Number :");
                int prn = sc.nextInt();
                System.out.println("Father's Name :");
                String fname = sc.next();
```

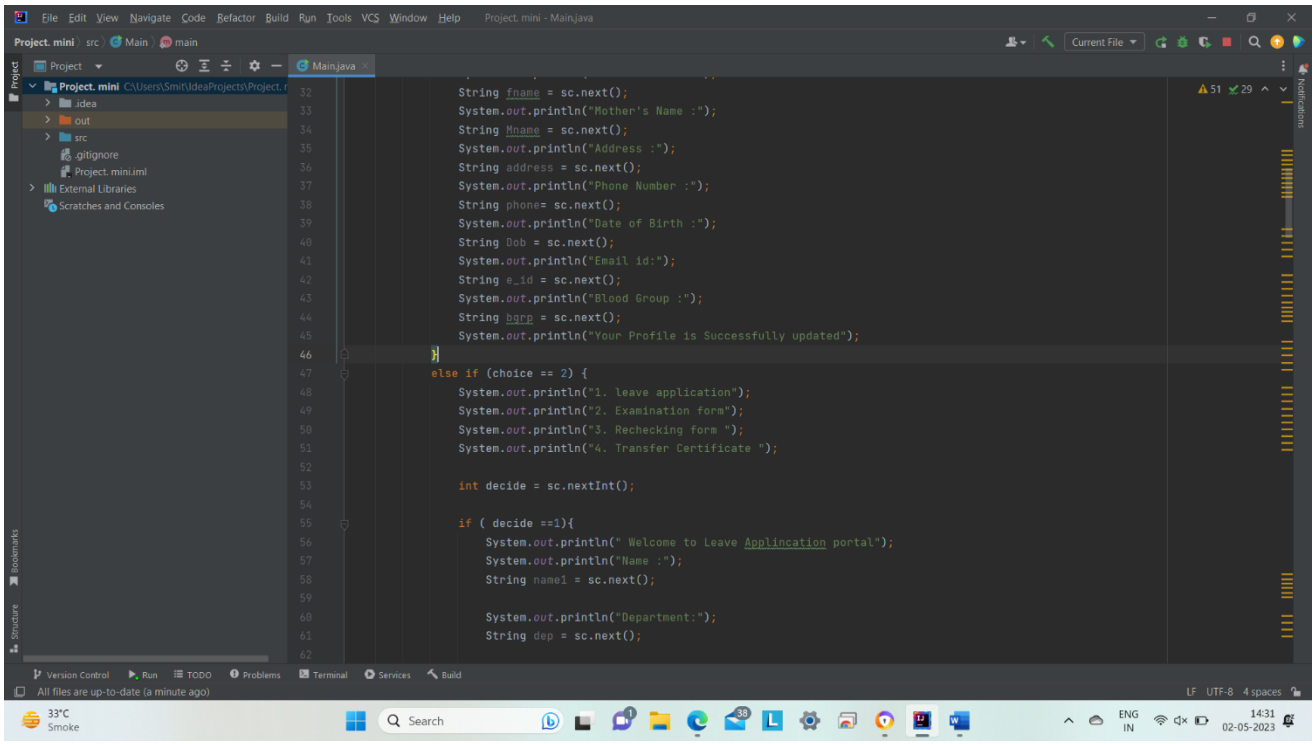


```
                String fname = sc.next();
                System.out.println("Mother's Name :");
                String Mname = sc.next();
                System.out.println("Address :");
                String address = sc.next();
                System.out.println("Phone Number :");
                String phone= sc.next();
                System.out.println("Date of Birth :");
                String Dob = sc.next();
                System.out.println("Email id:");
                String e_id = sc.next();
                System.out.println("Blood Group :");
                String bgrp = sc.next();
                System.out.println("Your Profile is Successfully updated");
            }
            else if (choice == 2) {
                System.out.println("1. leave application");
                System.out.println("2. Examination form");
                System.out.println("3. Rechecking form ");
                System.out.println("4. Transfer Certificate ");

                int decide = sc.nextInt();

                if ( decide ==1){
                    System.out.println(" Welcome to Leave Applincation portal");
                    System.out.println("Name :");
                    String name1 = sc.next();

                    System.out.println("Department:");
                    String dep = sc.next();
```


File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Project. mini - Main.java
Project. mini
src
Main
main
Current File
Project
Main.java
Project. mini C:\Users\Smit\IdeaProjects\Project.
.idea
out
src
.gitignore
Project. mini.iml
External Libraries
Scratches and Consoles
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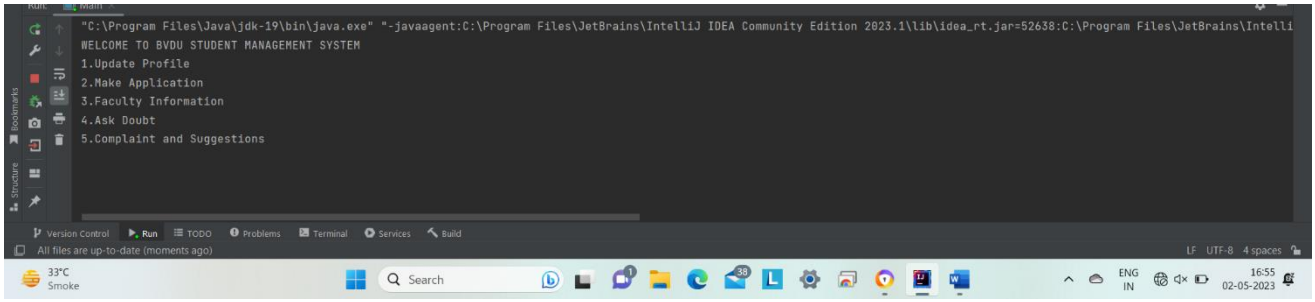
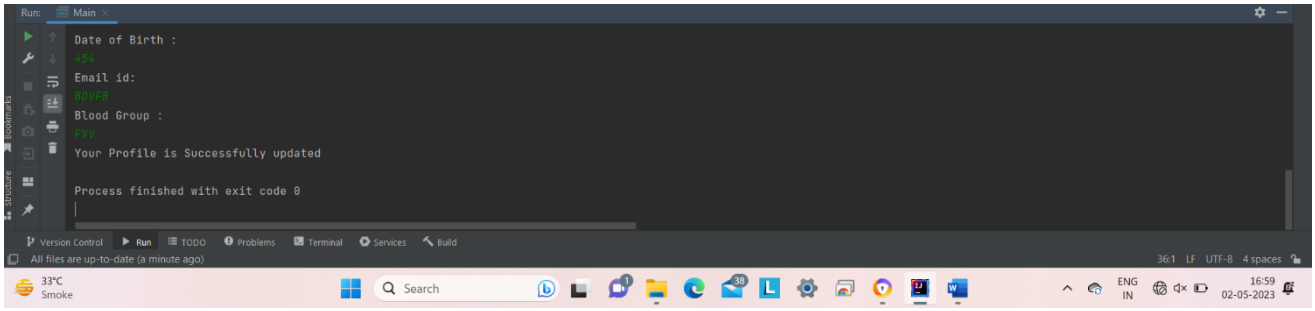
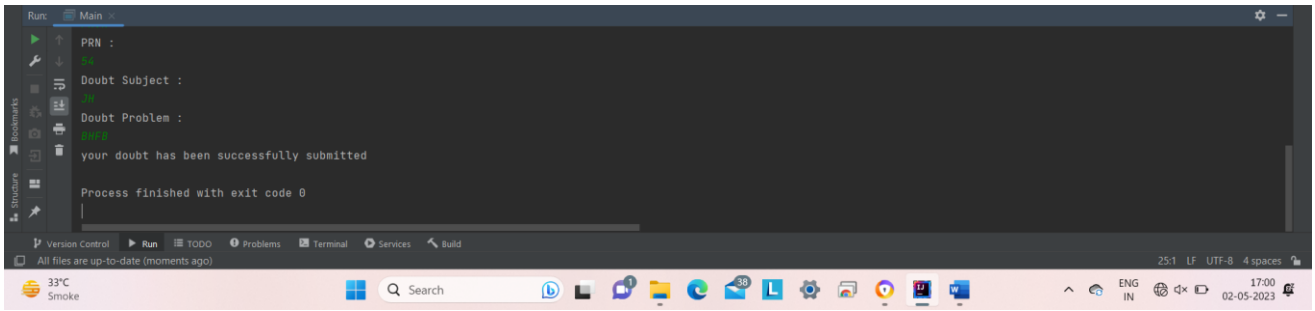
String dep = sc.next();
Version Control
Run
TODO
Problems
Terminal
Services
Build
All files are up-to-date (a minute ago)
LF
UTF-8
4 spaces
33°C
Smoke
Search
ENG
IN
14:31
02-05-2023

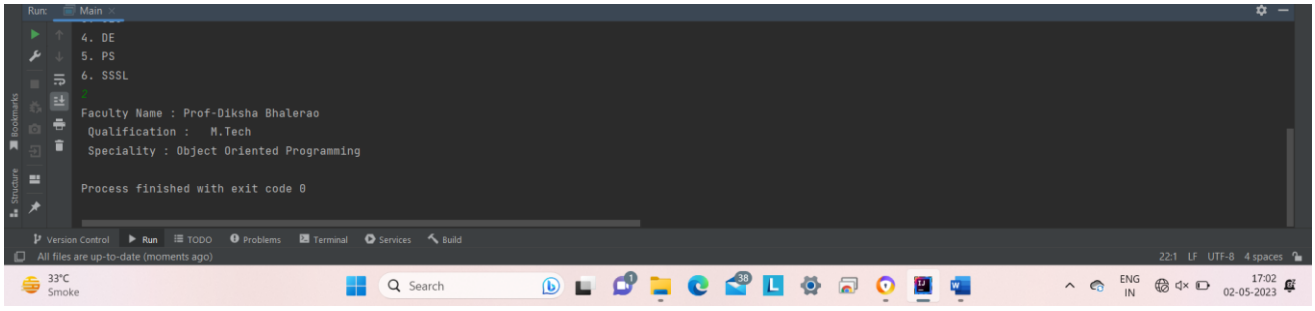
Chapter 4

Results









Chapter 5

Conclusion

In conclusion, the development of Student Management System an using Java programming language was a successful group project that demonstrated the versatility and power of the language. The team utilized object-oriented programming principles to create a modular and scalable codebase that incorporated multiple features.Throughout the project, the group utilized agile development methodologies to ensure efficient and timely completion of tasks. They worked collaboratively, dividing tasks and working on them in parallel, ensuring that each member had a clearly defined role. The team also performed rigorous testing to ensure that the project was free from errors and bugs.