A

Project Report

on

“Admission Management system”

SUBMITTED BY:

Tejas Bhagawat

SUBJECT

C++

PROGRAMMING

Under the Guidance of

Ms. Ishawari Tirse

Mam

Department of

Computer Science and Engineering

Sanjivani Rural Education Society’s

SANJIVANI UNIVERSITY

KOPARGAON – 423603,

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INTRODUCTION

A Admission Management System is a software application that helps manage the daily operations of a Admission Management. itle: C++ Admission Management SystemThe Mess Management System is a computerized application designed to streamline and automate the management of a Admission Management or cafeteria. This system aims to provide an efficient and user-friendly platform for managing daily activities such as food ordering, inventory management, billing, and reporting. Developed using C++, this system will reduce manual errors, enhance productivity, and improve overall customer satisfaction.There are many benefits of a c++-based Admission ManagementSystem

CODE

```
#include <iostream>
#include <vector>
#include <string>
using namespace std;
Class student  {
public:
   string name;
string rollNumber;
  int age;
 string course;
Student(string n, string r, int a, string c) : name(n), rollNumber(r), age(a), course(c)
{
}
};
 Student InformationSystem {
private:
    vector<Student> students;
public:
   void addStudent(string name, string rollNumber, int age, string course)
{
        Student student(name, rollNumber, age, course);
        students.push_back(student);
  cout << "Student added successfully!\n";
   }
void displayStudents()
 {
cout << "List of Students:\n";
 for (const auto& student : students)
{
```

```
cout << "Name: " << student.name << ", Roll Number: " << student.rollNumber
             << ", Age: " << student.age << ", Course: " << student.course << endl;
     }
    }
};
class AdmissionManagement
{
public:
    void processAdmission()
 {
  cout << "Processing admission...\n";
   }};
 class CourseManagemen
{
public:
    void addCourse(string courseName)
{
        cout << "Course " << courseName << " added successfully!\n";
}
};
 class AttendanceManagement
{
public:
   void markAttendance(string rollNumber)
 {
        cout << "Attendance marked for roll number: " << rollNumber << endl;
         }
};
class ExamManagement
{
public:
  void conductExam(string rollNumber)
{
cout << "Conducting exam for roll number: " << rollNumber << endl;
        }
    void enterGrades(string rollNumber, float grade)
 {
        cout << "Grade " << grade << " entered for roll number: " << rollNumber << endl;
        }
};
class LibraryManagement
{
public:
   void addBook(string bookTitle)
 {
        cout << "Book " << bookTitle << " added to the library!\n";
}
```

```
    void issueBook(string bookTitle, string rollNumber)
{
    cout << "Book " << bookTitle << " issued to roll number: " << rollNumber << endl;
   }
};
class HostelManagement
 {
public:
    void allocateRoom(string rollNumber)
{
 cout << "Room allocated for roll number: " << rollNumber << endl;
        }};
int main()
 {
 StudentInformationSystem sis;
    AdmissionManagement admission;
  CourseManagement courseManagement;
   AttendanceManagement attendanceManagement;
   ExamManagement examManagement;
    LibraryManagement libraryManagement;
 HostelManagement hostelManagement;
     sis.addStudent("Bhagwat Tejas", "2124UCEM1071", 19, "Computer Science");
sis.displayStudents();    admission.processAdmission();
   courseManagement.addCourse("Data Structures");
attendanceManagement.markAttendance("1071");
   examManagement.conductExam("107");
examManagement.enterGrades("1071", 90.5);
  libraryManagement.addBook("C++ Programming");
   libraryManagement.issueBook("C++ Programming", "1071");
hostelManagement.allocateRoom("103");
   return 0;
}
```

OUTPUT

```
Student added successfully!
List of Students:
Name: Bhagwat Tejas, Roll Number: 2124UCEM1071, Age: 19, Course: Computer
    Science
Processing admission...
Course Data Structures added successfully!
Attendance marked for roll number: 1071
Conducting exam for roll number: 107
Grade 90.5 entered for roll number: 1071
Book C++ Programming added to the library!
Book C++ Programming issued to roll number: 1071
Room allocated for roll number: 103


=== Code Execution Successful ===
```

CONCLUSION

The C++ Admission Management System successfully demonstrates a comprehensive and efficient solution for managing Admission operations. Key benefits of this system include: Improved accuracy and reduced manual errors. Enhanced customer satisfaction through streamlined ordering and billing. Increased productivity for admission staff.
Real-time reporting and analytics for informed decision-making.There are many benefits of a c++-based Admission Management System