



Lokmanya Tilak College of Engineering, Navi Mumbai  
**Computer Engineering**

**Mini Project Presentation**  
**SE Sem - III (Rev 2019 C)**

**2020-21**

# Student Record System in C

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# Outline

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# MOTIVATION

Running a School / Institute is not an easy task .

Manually maintaining students fees record, attendance and more can prove to be tedious and are more prone to human error.

To bring more efficiency , it is essential to shift to the automation of tasks in this technological driven world.

This is where Student record management software comes into picture.

# LITERATURE SURVEY

Year	Author /websites	Title	Review
2015	Utpal Chaudhary	Students Record Management systems	It is developed in turbo c which makes it very easily accessible and the project was Desktop application type.
2014	Ishant Sharma (Lovely Professional uni.)	School Management System	In this we get to know a lot about header files and various syntax's that can make the project easy.
2019	<a href="http://www.articleworld.com">www.articleworld.com</a>	Student Record System in C	This mini-project "Student Record System Project in C" is made by using the C programming language. The project compiled in Code Blocks with the GCC compiler. In this application, you can do basic Student Record tasks like adding the student info, view the added student, search the students, ..etc
2014	<a href="http://www.codewithc.com">www.codewithc.com</a>	Student Record System	In this the window is virtually divided into 2 parts – one is static and it does not change, while the other is dynamic and it changes from time to time. The text are coded using various color-related functions to make them static.

# REQUIREMENT ANALYSIS

- **Functional requirement of student record system:**

- Creation of the new record for the new student.
- Deletion of the record which already exists in system based on the requirement of the organization.
- Update in the record present in the system as per the need.

- **Non Functional requirement:**

- User friendly.
- Should have backups and system should restore if there is power loss.
- Maintainable

# REQUIREMENT ANALYSIS

## **Hardware requirements:**

- Processor not less than 500MHZ.
- Hard disk : minimum 25 MB of space required.
- Ram: minimum 4 MB

## **Software requirements:**

- Os : Windows vista/7/8/10.
- Tool : Turbo c++
- Version of tool: 3.2
- Language: C
- Internet connectivity: Yes

# DESIGN OF THE SYSTEM

<b>Student Record System:</b>	<ul style="list-style-type: none"><li>• <b>Student Panel</b></li><li>• <b>Admin / Teachers Panel</b></li></ul>
<b>Student panel:</b>	<ul style="list-style-type: none"><li>• Take admission</li><li>• Student information</li><li>• Search</li><li>• Modify</li><li>• Exit</li></ul>
<b>Teachers Panel:</b>	<ul style="list-style-type: none"><li>• Student information</li><li>• Search</li><li>• Sort</li><li>• Modify</li><li>• Delete</li><li>• Marks / Books / Practicals Records of students</li><li>• Exit</li></ul>
<b>Login &amp; Change Password page .</b>	Accessible by Both students and Admin / Teachers.



# Student Panel:

<b>Take Admission:</b>	Students name , roll no, admission ,date, address , class , parents name ,Fees payment status, etc.
<b>Students info:</b>	Students name , roll no, admission date, address, class , personal details , marks , attendance, fees status, etc.
<b>Search:</b>	Search by name Search by roll no
<b>Modify:</b>	Some part of students info will be modifiable by students.

# Admin / Teachers Panel:

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**All the Information present in Admin panel will be changeable by Admin / Teachers only.**

Student Info:	Students name , roll no, admission date, class , Personal details, Fees payment status, Attendance, etc.
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Search:	Search by name Search by Roll no
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Sort:	Sort by name Sort by roll no
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Modify:	All information present will be modifiable by Teachers / Admin.
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Delete:	Information of particular student can be Delete if not required.
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Marks / books/ Practicals / Attendance:	All Marks / Books/ Practicals submission/Attendance records will be also accessible <input type="checkbox"/> By Roll no. Method <input type="checkbox"/> By name Method
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# EXPECTED RESULTS

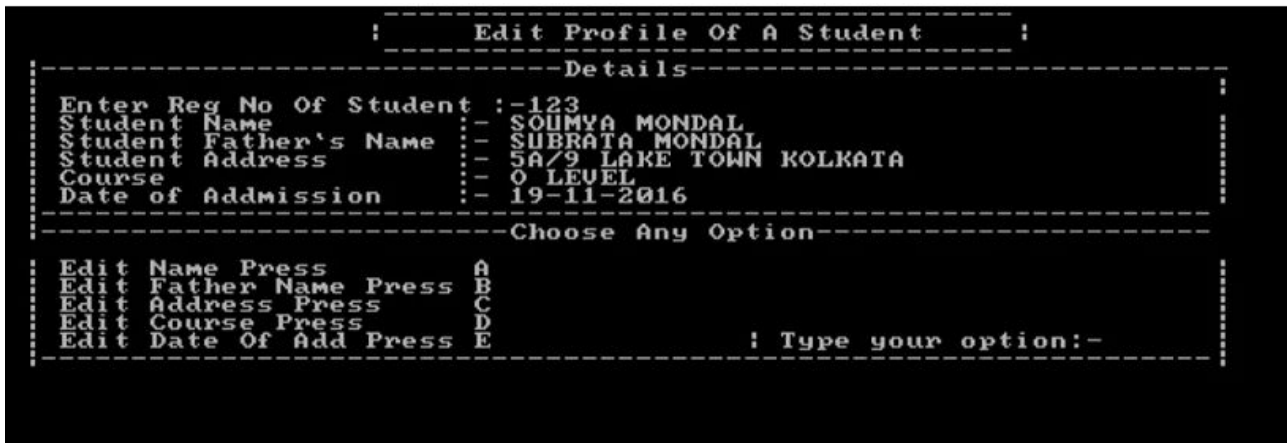


Login

Username

Password

Login



# CONCLUSION

- Student Record System can be used by educational institutions to maintain their student records easily.
- Achieving this objective is difficult using the manual system as the information is scattered, can be redundant and collecting relevant information may be very time-consuming.
- Good management offers better productivity and hence more progress towards development.
- It helps the institutions to achieve the target, reduce work, increase efficiency, eliminating error, and monitoring progress.
- All these problems are solved by this project. This system helps in maintaining the information of pupil of the organization

# REFERENCES

Reference: PROGRAMMING IN ANSI C ,Book by E. Balagurusamy.

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# Mini Project Orientation program

## SE Sem - III (Rev 2019 C)

# Open Discussion