

# MINI PROJECT(II)

(2020-2021)

## Student Management System

### SYNOPSIS



### Institute of Engineering & Technology

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# **Acknowledgment**

It gives us a great sense of pleasure to present the synopsis of the B.Tech Mini Project (Student Management System) undertaken during B.Tech IIIrd Year. This project in itself is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals.

I owe special debt of gratitude to Mr. Vinay Agarwal, Assistant Professor Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies.

I also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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# **Student Management System**

## **(Web Development)**

In this project, I am creating a website based on learning material and it will be a web developers site, with tutorials and references on web development language such as HTML, CSS, JavaScript, PHP, SQL, Python, jQuery, Java, Bootstrap, covering most aspects of web programming.

As many institutions are faced many difficulties to keep details of many students of the organization just in one scratch. It will involve a lot of paper work.

Sometime there will be some huge heap of file bundled up and kept together in some corner of the office.

If you want to inform regarding the particular student then it can be obtained by just entering the roll number and name of the student to be searched.

This student management system make the work of storing the data in organising way.

It manage the students details are very easily in one click.

Providing the searching facilities such as students, login, profiles, courses etc.

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# **Motivation**

Many people say that today's college students have it easy. All information they need is at their fingertips, so they can easily complete all academic projects after browsing the Internet for a few hours. However, that's not what happens in reality. The curriculum have become more rigorous than ever, so college students have to think of different ways on increasing their productivity and motivation.

So for that website is being created that will improve their skills of time management , planning, brainstorming, writing, etc.

# **Future Prospects**

As we move towards the mid-21st century, it's indisputable that web design is going to become increasingly important. As people live more and more of their studies online, digital user experiences will be the rock on which almost every big organisation is built.

It may help collecting perfect management details, in a very sort time.

The collection will be obvious, simple and sensible.

# Requirements

## a) Hardware:

- External Hard Drives or DVDs for Backup
- **Server**
  - Apache Tomcat server
  - Glass Fish Server
- Internet
- Minimum 2GB RAM
- i3 Processor
- 1024x765 Display

## b) Software:

- Pycharm, Python, visual studio code, sublime text.
- Operating System (Window)
- **Programming Language**
  - Python
- **Front End**
  - Python, Django framework.
- **Back End**
  - DBMS
  - My SQL/Oracle

# **REFERENCES**

- **Book References**
  - Think Python
  - Real python
  - Light Weight Django
- [www.w3schools.com](http://www.w3schools.com)
- [WWW.javatpoint.com](http://WWW.javatpoint.com)
- [WWW.youtube.com](http://WWW.youtube.com)
- **Faculty Guidelines**
  - Mr. Sharad Gupta Sir
  - Mr. Vinay Agarwal