

CHAPTER 1

INTRODUCTION

1.1 About the project

The Smart Student Course Registration, which can be used by Sri Siddhartha Institute of Technology for the process of course registration. Such a system is generally used by different universities all over the world due to fastest accessibility, maintainability and security issues.

Course registration is the process of reserving necessary/desired classes by students for an upcoming semester. The Smart Student Course Registration is a data-driven web application used in institutes or universities to manage full control over registration process. Data-driven systems are software solutions for information and data management. Two primary functions of data-driven systems: Acquisition and Presentation of information. Acquisition refers to the acquiring the data from external sources and Presentation of information concerned with retrieval and display of stored information to the user in appropriate format.

The traditional system used for course registration process was to make use of paper and the process was time consuming and not secure. Also while making some queries about a student it takes a lot of time to find out the information. But using the system developed there is no use of paper and space on the floor to store those papers. And it is just a click for any query about a student as well as his performance. This version of online registration is presented to you in a simple and easy format that enables you to improve your effectiveness and efficiency while registering courses. It takes just few minutes to complete the registration process from anywhere via internet.

The system has been developed using HTML on the client side to manage the presentation logic and ASP.Net as server-side language to manage the business logic. Finally, MySQL has been used as query language to communicate with the database. The consistency of information can be achieved due to the ACID property of database.

The system consists of different interfaces for different actors like student, admin, HOD, Staff Member with different privileges. The developed system provides the best way for university course registration reducing the burden arises during registration process for both students and Staff Members.