**1.1. INTRODUCTION TO PROJECT**

This project is developed an IT Job Portal for the Placement Department of the company as well as jobseeker. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an IT Job Portal for the Placement Department of theorganization to manage the student information with regards to placement. Students logging should beable to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Students.The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned.Using the constructs of MS-SQL Server and all the user interfaces have been designed using theASP.Net technologies. The database connectivity is planned using the “SQL Connection”methodology. The standards of security and data protective mechanism have been given a big choicefor proper usage. The application takes care of different modules and their associated reports, whichare produced as per the applicable strategies and standards that are put forwarded by theadministrative staff.The entire project has been developed keeping in view of the distributed client server computingtechnology, in mind. The specification has been normalized up to 3NF to eliminate all the anomaliesthat may arise due to the database transaction that are executed by the general users and theorganizational administration. The user interfaces are browser specific to give distributed accessibilityfor the overall system. The internal database has been selected as MS-SQL server 200.The basicconstructs of table spaces, clusters and indexes have been exploited to provide higher consistency andreliability for the data storage. The MS-SQL server 200 was a choice as it provides the constructs of high-level reliability and security. The total front end was dominated using the ASP.Net technologies.At all proper levels high care was taken to check that the system manages the data consistency with proper business rules or validations.

**1.2.COMPANY PROFILE**

**8Sigma Softvill Technologies**

, a most promising IT solution providing company is a one-stop shop for all your business needs. Besides rendering professional and comprehensive business solutions we also caters to a range of services in software and web technology.The acuminous insigh to four team has help set standards in this ever evolving industry... 8Sigma Softvill Technologies strives to achieve commercial success through non commercial satisfaction. Customer satisfaction is paramount to us, which we seek by providing quality services at competitive prices.8 SIGMA SOFTVILL TECHNOLGIES has been Web Design & software development experience in programming using PHP, C++, Perl, ASP, ASP.net, JSP, Visual Basic, Java using variety of databases like MySQL, MSSQL, Access, on various platforms like Linux, Apache, Windows 98,2000,2003 &XP. We are highly responsive and provide you an interactive cycle of web-development - from prototype to development, documentation and testing. We provide robust, secure and highly scalable solutions to enhance your business.

**Services :**

We are highly competent in operating all the standard platforms of technology that are required to handle different domains of business. We offers a wide range of services including professional webdesign and web development, Customized software development, e-commerce solutions & BPO services. Our team closely follows new trends and effectively implements fresh ideas and novelapproaches.8 SIGMA SOFTVILL TECHNOLGIES has been Web Design & software development experience in programming using PHP, C++, Perl, ASP, ASP.net, JSP, Visual Basic, Java using variety of databases like MySQL, MSSQL, Access, on various platforms like Linux, Apache, Windows 98,2000,2003 &XP. We are highly responsive and provide you an interactive cycle of web-development - from prototype to development, documentation and testing. We provide robust, secure and highly scalable solutions to enhance your business.

**.NET :**

**8 Sigma Softvill**

, we are striving to understand changing customer needs. We want to make our customers' lives easier by simply making technology usable. We have solid Information Systems Professionals, who with the help of world class tools and equipment, study, design, develop,enhance, customize, implement, maintain and support various aspects of Information Technology. We have the expertise and experience to help you cut costs significantly without impacting product quality or delivery schedules.

**8 Sigma Softvill**

Offshore Software Development, is committed to provide ever increasing levels of customer satisfaction by offering the highest quality in software development, e-commerce solutions, web site design, after sales and other IT enabled services. For this, we use modern software development platforms and software development tools.We have top class software professionals like project managers, software engineers, software programmers, software application developers, software quality testers, web designers and technical writers with exclusive skill sets for this. Transparent project management and change management practices that emphasize customer communication at pre-determined intervals through e-mail,teleconferencing and video conferencing ensure that the customer and project delivery teams carry a consistent understanding of requirements and project status at all times.Our area of software development takes it birth from the basic requirement of a small vendor or even a kid and grows up to fulfill the requirements of large corporations.

**Careers**

Create. Innovate. Be the best. Within this world, you are your own boss. You set your own standards and you strive to meet them. Every team member is an asset, and

**8 SIGMA SOFTVILLTECHNOLOGIES**

knows that only the best people can help make it the best company. Providing impeccable services to Clients requires people who probe their business, understand it, and interpret it for the global web environment. Empowering our people to deliver their best at all times is a continuous process at

**8 SIGMA SOFTVILL TECHNOLOGIES.**

The twin objectives of career development at

**8 SIGMA SOFTVILL TECHNOLOGIES**

are:\* To provide opportunities to enhance their competencies and in turn achieve career objectives.\* To ensure that career development activities are aligned with organizational objectives to achievegrowth for the organization.

**1.3. PROBLEM IN EXISTING SYSTEM**

* Cannot Upload and Download the latest updates.
* No use of Web Services and Remoting.
* Risk of mismanagement and of data when the project is under development.
* Less Security.
* No proper coordination between different Applications and Users.
* Fewer Users - Friendly.

**1.4. SOLUTION OF THESE PROBLEMS**

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.1.User friendliness is provided in the application with various controls.2.The system makes the overall project management much easier and flexible.3.Readily upload the latest updates, allows user to download the alerts by clicking the URL.4.There is no risk of data mismanagement at any level while the project development is under  process.5.It provides high level of security with different level of authentication

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**Chapter 2**

**SYSTEM ANALYSIS**

**2.1. INTRODUCTION**

After analyzing the requirements of the task to be performed, the next step is to analyze the problemand understand its context. The first activity in the phase is studying the existing system and other isto understand the requirements and domain of the new system. Both the activities are equallyimportant, but the first activity serves as a basis of giving the functional specifications and then

**FEASIBILITY STUDY**

A feasibility study is a test of the system proposal according to its workability