**Veer Narmad South Gujarat University, Surat.**

**M.Sc. (Information Technology) Programme**



# Project Report

**6th Semester**

**M.Sc. (Information Technology)**

**5 Year Integrated Course**

Year 2018 – 2019

## **“Quick Search”**

|  |  |
| --- | --- |
| **External Guide :**  Mr. Shasank Bansal | **Submitted By :** Smit Patel (081) |
| **Internal Guide :** Mr. Tejas Shah |  |

### 

**Credence Technologies.**

208,SNS Arista,opp Safal Square,besides Prime Shopperes,Vesu,Surat.

**Veer Narmad South Gujarat University, Surat.**

**M.Sc. (Information Technology) Programme**

# Project Report

**6th Semester**

**M.Sc. (Information Technology)**

**5 Year Integrated Course**

Year 2018 – 2019

## **“Quick Search”**

|  |  |
| --- | --- |
| **External Guide :**  Mr. Shasank Bansal | **Submitted By :** Smit Patel (081) |
| **Internal Guide :** Mr. Tejas Shah |  |

### 

**Credence Technologies.**

208,SNS Arista,opp Safal Square,besides Prime Shopperes,Vesu,Surat.

**Veer Narmad South Gujarat University, Surat.**

**M.Sc. (Information Technology) Programme**

##### **Certificate**

This is to certify that **Mr. Smit Patel.** Exam Seat Number **000081** has satisfactorily completed his project work entitled **Quick Search** as a partial fulfillment of the requirements for *6th****Semester-B.Sc.(Information* Technology)**during the academic Year 2018-2019.

Date : 12th june,2019 **Course Coordinator**

Place : Surat **M.Sc. (I.T.) Programme.**

**Veer Narmad** **South Gujarat University,Surat**

**PREFACE**

Development of large Software system is like an opportunity to handle large number of errors. And it is also complex one. Software engineering is the discipline that attempts to provide methods to handle complexities, enabling us to produce a reliable software system with maximum productivity.

It was felt that it is important and very instructive not only to learn the principles of a software engineering but also apply then to a software development project.

Now with more competition in world of I.T. our company is constantly finding the new ways to connect with clients and to provide more satisfaction. A typical scenario today involves an application consisting of a visual front end for presenting data and reporting options to the enterprise users, and a connection to a database for piping data to controls such as text boxes, tables, and list boxes. These applications typically feature reporting functions to provide documentation to teachers and administrative.

An effort has been made to exhaustively deal with every part of the systems developed and at the appropriate position, so that users of system can easily manage the all the processes according to their rights.

**ACKNOWLEDGMENT**

* It was an educational phase while studying at the Master of Science in Information Technology (M.Sc. (I.T)); working with highly devoted computer teacher’s community and will probably remain the most memorable experience of our life. Hence this acknowledgement is a humble attempt to earnestly thank all those who were directly or indirectly involved in our project work and were of immense help to us.
* With immense pleasure, we present this report on the project assignment title “**Quick Search”.**
* We owe a debt of gratitude to **Mr.Shasank Bansal** for bestowing their faith in us and giving us the privilege of working, which will be the building step for our bright future.
* We take a rather special privilege of thanking our Respected **Mr.Tejas Shah** & All the Faculties for making the resources available within the institute for the project work.
* The encouragement and help received from our family members, friends and colleagues cannot be expressed in terms of words. Without their moral support, the work would have been left unfinished.

**Smit Patel (081)**

|  |  |  |
| --- | --- | --- |
| No. | Topic | Page No. |
| 1. | **Introduction** | **1** |
|  | 1.1 - Company Profile | 2 |
|  | 1.2 - Project Profile | 3 |
| 2. | **Current System** | **4** |
|  | 2.1 - Introduction | 5 |
| 3. | **Proposed System** | **6** |
|  | 3.1 -Scope | 7 |
|  | 3.2 -Objectives | 8 |
|  | 3.3 -Purpose | 9 |
|  | 3.4 -Feasibility Study | 9 |
|  | 3.5 -Advantages | 11 |
| 4. | **System Environment** | **12** |
|  | 4.1 -Technology Description | 13 |
|  | 4.2 -Hardware and Software Requirement | 13 |
| 5. | **System Analysis and Modeling** | **15** |
|  | 5.1 -Software Requirement Specification | 16 |
|  | 5.2 -Flowchart | 17 |
|  | 5.3 -Entity Relationship Diagram | 20 |
|  | 5.4 -Data Flow Diagram | 21 |
|  | 5.5 -Data Dictionary | 37 |
|  | 5.6 -Process Specification | 42 |
|  | 5.7 -Use case Diagram | 53 |
|  | 5.8 -Class Diagram | 56 |
|  | 5.9 -Sequence Diagram | 57 |
| 6. | **Designing** | **60** |
|  | 6.1 -Database Design | 61 |
|  | 6.2 -Interface Design | 67 |
| 7. | **Testing** | **108** |
|  | 7.1 -Test Cases | 109 |
| 8. | **Limitations** | **127** |
|  | 8.1 – System Limitations | 128 |
| 9. | **Future Scope** | **129** |
|  | 9.1 -Future Scope | 130 |
| 10. | **References** | **131** |
|  | 10.1 -References | 132 |