## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

### “JNANA SANGAMA”, BELAGAVI-590018



**REPORT ON**

## INTERVIEW MANAGEMENT SYSTEM

*Submitted in partial fulfillment of the requirements for the*

**WEB TECHNOLOGY LABORATORY WITH MINI PROJECT (15CSL77)**

**7TH SEMESTER**

#### Submitted By

**SHREYAS H C 1KS16CS094**

**PAVAN KUMAR D 1KS14CS076**

Under the Guidance of:

#### Mr. KUMAR K

**Assistant Professor,**

**Department of CSE, KSIT**

#### Mr. ROOPESH KUMAR B N

**Assistant Professor,**

**Department of CSE, KSIT**

#### 

**Department of Computer Science & Engineering**

**K.S. INSTITUTE OF TECHNOLOGY**

#14, Raghuvanahalli, Kanakapura Main Road, Bangalore-560109.

#### 2019 - 2020

**K.S. INSTITUTE OF TECHNOLOGY**

#14, Raghuvanahalli, Kanakapura Main Road, Bangalore-560062.

**Department of Computer Science & Engineering**



### CERTIFICATE

This is to certify that **Mr. Shreyas H C** bearing USN **1KS16CS094, Mr. Pavan Kumar D** bearing USN **1KS14CS076,** has satisfactorily completed the mini project entitled “**INTERVIEW MANAGEMENT SYSTEM”**  in the course of **WEB TECHNOLOGY LABORATORY WITH MINI PROJECT** with laboratory code **15CSL77** prescribed by **Visvesvaraya Technological University, Belgaum**, for the VII semester Bachelor of Engineeringin Computer Science & EngineeringBranch in this college during the academic year 2019-2020.

#### Mr. Kumar K Mr. Roopesh Kumar B N

Assistant Professor, CSE Dept., Assistant Professor, CSE Dept.,

K.S.I.T., Bengaluru K.S.I.T., Bengaluru

**Dr. Rekha B. Venkatapur Dr. T.V. Govindaraju**

Prof. & Head, CSE Dept., Principal / Director

K.S.I.T., Bengaluru K.S.I.T., Bengaluru

#### Signature of Internal Examiner

**Signature of External Examiner**

**ACKNOWLEDGEMENT**

The successful presentation of the **WEB TECHNOLOGY MINI PROJECT** would be incomplete without the mention of the people who made it possible and whose constant guidance crowned our effort with success.

We would like to extend our gratitude to the **MANAGEMENT, KAMMAVARI SANGHAM**, Bengaluru, for providing all the facilities and support.

We would like to extend our gratitude to the **Dr. T.V. GOVINDARAJU,** Principal / Director, K.S. Institute of Technology, Bengaluru, for facilitating to present the Web Technology Mini Project.

We thank **Dr. REKHA B. VENKATAPUR**, Professor and Head of the Department, Computer Science and Engineering, for her encouragement.

We would like to thank our Project Guides, **Mr. KUMAR K**, Assistant Professor, **Mr. ROOPESH KUMAR B N**, Assistant Professor, Department of Computer Science and Engineering, for their constant guidance and inputs.

We would like to thank all the **Teaching** Staff and **Non-Teaching** Staff of the college for their co-operation.

Finally, we extend our heart-felt gratitude to our **families** for their encouragement and support without which we wouldn’t have come so far. Moreover, we thank all our **friends** for their invaluable support and cooperation.

**NAME USN SIGNATURE**



**I**

**ABSTRACT**

The Interview Management System is a simple project for digitally managing the interviews of any individual. The project contains the only admin side. The admin can view, add and delete all the users (candidates) according to their choice. They can also add and update interview questions.

This system is for making the admin work, convenient for taking interviews by marking digitally instead of the paper system. An admin user can register & login to the system to carry out interviews and make decisions of the candidates. This project is a simple project that makes a convenient way for any interviewer to keep the records and judgments of the interview.

The aim of the project is to show the real-world implementation of Database Management System developed using technologies such as HTML5, CSS, JavaScript, PHP. The application is flexible to be used and reduce the hassle of maintaining manual records. Admin has to fill up all details of the candidate that specifies questions from all required fields such as candidate id , candidate name, contact details, qualification and so on. This tool is used for error free, secure, reliable and fast management system. It can help the organization to maintain computerized records without redundant entries and also the information could be searched easily.

**II**

**CONTENTS**

**ACKNOWLEDGEMENT I**

**ABSTRACT II**

**LIST OF FIGURES V**

**Chapter No. Chapter Name Page No.**

1. INTRODUCTION 1
   1. [OVERVIEW 1](#_TOC_250020)
   2. [PROBLEM STATEMENT 1](#_TOC_250019)
   3. [WEB TECHNOLOGIES 2](#_TOC_250018)
      1. [HTML5 2](#_TOC_250017)
      2. [CSS 3](#_TOC_250016)
      3. [JAVASCRIPT 5](#_TOC_250015)
      4. [PHP 6](#_TOC_250014)
   4. [DATABASE MANAGEMENT SYSTEM 9](#_TOC_250013)
      1. [ADVANTAGES OF DBMS 9](#_TOC_250012)
   5. [SQL 10](#_TOC_250011)
2. REQUIREMENTS SPECIFICATION 11
   1. [OVERALL DESCRIPTION 11](#_TOC_250010)
   2. [SPECIFIC REQUIREMENTS 11](#_TOC_250009)
      1. [SOFTWARE REQUIREMENTS 11](#_TOC_250008)
      2. [HARDWARE REQUIREMENTS 12](#_TOC_250007)
      3. TECHNOLOGY STACK 12
3. DETAILED DESIGN 13
   1. [SYSTEM DESIGN 13](#_TOC_250006)
   2. ENTITY RELATIONSHIP DIAGRAM 14

**III**

* 1. FLOW DIAGRAM 15
  2. DESCRIPTION OF TABLES 15

1. IMPLEMENTATION 17

4.1 MODULES AND THEIR ROLES 17

1. TESTING 24
   1. [SOFTWARE TESTING](#_TOC_250005) 24
   2. [MODULE TESTING AND INTEGRATION 24](#_TOC_250004)
2. SNAPSHOTS 26
   1. LOGIN PAGE 26
   2. REGISTRATION PAGE 26
   3. HOME/VIEW CANDIDATE 27
   4. ADD CANDIDATE 27
   5. ADD QUESTION 28
   6. VIEW QUESTION 28
   7. TAKE EXAM 29
   8. RESULT 29

[CONCLUSION VI](#_TOC_250002)

[FUTURE ENHANCEMENTS VI](#_TOC_250001)I

[REFERENCES VIII](#_TOC_250000)

**IV**

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| Fig. 1.1 | HTML5 APIs and related technologies  taxonomy and status | 2 |
| Fig. 1.2 | Taxonomy and status of CSS3 modules | 5 |
| Fig. 3.1 | Interview Management System web architecture | 13 |
| Fig. 3.3 | Flow diagram of Interview Management System | 15 |
| Fig 6.1 | Login Page | 26 |
| Fig 6.2 | Registration Page | 26 |
| Fig 6.3 | Home Page | 27 |
| Fig 6.4 | Add Candidate | 27 |
| Fig 6.5 | Add Question | 28 |
| Fig 6.6 | View Question | 28 |
| Fig 6.7 | Take Exam | 29 |
| Fig 6.8 | Result | 29 |

**V**