VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANA SANGAMA”, BELAGAVI-**590018.**



**A**

**Mini Report**

**on**

**“HUMAN RESOURCE AND PERFORMANCE MANAGEMENT SYSTEM”**

**Submitted in partial fullfillment of 5th semester**

**DATABASE MANAGEMENT SYSTEM LAB**

**(15CSL58)**

**By**

|  |  |
| --- | --- |
| **SHIVAKUMAR N** | **[1JB17CS432]** |
|  |  |
|  |  |
|  |  |

**UNDER THE GUIDANCE OF**

**Mr. DEEPAK B L**

**Assistant Professor,**

**Dept. of CSE**

**Mrs. MANJULA H S**

**Assistant Professor,**

**Dept. of CSE**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### SJB INSTITUTE OF TECHNOLOGY

**No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road**

**Kengeri, Bengaluru- 560060**

**2018 - 2019**

||Jai Sri Gurudev||

Sri Adichunchanagiri Shikshana Trust ®

### SJB INSTITUTE OF TECHNOLOGY

**No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road**

**Kengeri, Bengaluru- 560060**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

Certified that the project work entitled *“*HUMAN RESOURCE AND PERFORMANCE MANAGEMENT SYSTEM” carried out by SHIVAKUMAR N [1JB17CS432] are bonafide students of SJB Institute of Technology in partial fulfillment of 5th semester “DBMS LAB (15CSL58)” as prescribed by VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the Departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Signature of Guide Signature of Co-guide Signature of HOD

Deepak B L Manjula H S Dr. Krishna A N

Assistant Professor Assistant Professor Professor & Head

Dept. of CSE, SJBIT Dept. of CSE, SJBIT Dept. of CSE, SJBIT

**EXTERNAL EXAM**

**Name of the examiners Signature with date**

**1.**

**2.**



**ACKNOWLEDGEMENT**

We would like to express our profound grateful to His Divine Soul **Jagadguru Padmabhushan Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji** and His Holiness **Jagadguru Sri Sri Sri Dr. Nirmalanandanatha MahaSwamiji** for providing us an opportunity to complete Mini project in this esteemed institution.

We would also like to express our profound thanks to **Reverend Sri Sri Prakashnath Swamiji**, Managing Director, SJB Institute of Technology, for his continuous support in providing amenities to carry out this project in this admired institution.

We express our gratitude to **Dr. Puttaraju,** Principal, SJB Institute of Technology, for providing us an excellent facilities and academic ambience; which have helped us in satisfactory completion of project work.

We extend our sincere thanks to **Dr. Krishan A N,** Head of the Department, Computer Science and Engineering for providing us an invaluable support throughout the period of our project work.

We wish to express our heartfelt gratitude to our guide **Deepak B L,** AssistantProfessor, Dept. of CSE **for** his valuable guidance, suggestions and cheerful encouragement during the entire period of our project work.

We express our truthful thanks to co-guide **Manjula H S**, Assistant Professor, Department of CSE, for his valuable support.

Finally, we take this opportunity to extend our earnest gratitude and respect to our parents, Teaching & Non-teaching staffs of the department, the library staff and all our friends, who have directly or indirectly supported us during the period of our project work.

**Regards**

SHIVAKUMAR N[1JB17CS432]

**Abstract**

Human Resource and Performance management website is the ultimate place for all your project needs. Registering as a client allows you to submit your project which will be developed by a host of experienced employees. The website caters to 4 types of users namely admin, manager, client and employee. As the admin accepts the project, he assigns a team of employees led by a manager to work on the project.

As the project progress, the manager updates the status of the project which is also updated in the status page of client and employee. Due to this the client is up to date with all the workings of the project. Once the project is finished, the manager can de allocate the team and deliver the project. During the construction of the project, employees and manager can rate each other depending on the performance. The average rating helps the admin choose a better team each time a project is completed.

Using this portal, the whole process is streamlined and everyone is updated on the latest proceedings.

**Table of Contents**

**Acknowledgement………………………………………………....III**

**Abstract…………………………………………………………….IV**

**Table of Contents…………………………………………………..V**

**List of Tables……………………………………………………….VII**

**Chapter 1…………………………………………………………...1**

**Introduction…………………………………...1**

* 1. **Human resource and performance management system..1**

**Chapter 2…………………………………………………………...3**

**Literature Survey……………………………..3**

**2.1 Traditional File System…………………………………....3**

**2.2 Pros and Cons of the Traditional Approach……………..3**

**2.3 Downfall of Traditional Management System……….…..4**

**2.4 Introduction to the Database Management System……..5**

**2.5 Advantages of a DBMS…………………………………....5**

**Chapter 3…………………………………………………………...6**

**System Requirements………………………...6**

**3.1 Hardware Requirements……………………………….....6**

**3.2 Software Requirements……………………………….......6**

**Chapter 4………………………………………………………......7**

**System Design………………………….…......7**

**4.1 UML Diagram…………………………………………….7**

**4.2 ER Diagram……………………………………………….9**

**4.3 Schema Diagram………………………………………….11**

**Chapter 5………………………………………………………….12**

**Implementation…………………………........12**

**5.1 HTML …………………………………………………….12**

**5.2 CSS………………………………………………………...12**

**5.3 JavaScript ………………………………………………...13**

**5.4 PHP …………………………………………………….....14**

**5.5 SQL (Structured Query Language) ……………………16**

**5.6 Creation of tables……………………………………..….16**

**Chapter 6 ……………………………………………………..…..19**

**Testing…………………………………….….19**

**6.1 Testing process……………………………………………19 6.2 Testing objectives…………………………………………19**

**6.3 Test cases……………………………………...……...........20**

**Chapter 7…………………………………………………………..21**

**Results………………………………………...21**

**7.1 Login-direct page………………….………………….…..21**

**7.2 Admin login…………………………………………….....21**

**7.3 Admin dashboard ……………………………………..…22**

**7.4 Employee insertion……………………………………….22**

**7.5 Display all Employee……………………………………..23**

**7.6 Display regional manager….…………………………….23**

**7.7 Display clients…………………………………………….24**

**7.8 Display projects…………………………………………..24**

**7.9 Client login page…………………………………….........25**

**7.10 Client registration page…………………………………25**

**7.11 Client dashboard ………………………………………..26**

**7.12 Accept/Reject project…………………………………....26**

**7.13 Initializing Employees to project ………………………27**

**7.14 Manager Login page…………………………………….27**

**7.15 Manager Dashboard…………………………………….28**

**7.16 Employee login page…………………………………….33**

**7.17 Employee dashboard……………………………………34**

**Conclusion…………………………………………………………35**

**Bibliography……………………………………………………….36**

**List of figures**

|  |  |  |
| --- | --- | --- |
| **Fig No.** | **Title** | **Page No** |
| **4.1** | **Use case of admin** | **7** |
| **4.2** | **Use case of manager** | **8** |
| **4.3** | **Use case of employee** | **8** |
| **4.4** | **Use case of client** | **9** |
| **4.5** | **ER diagram** | **9** |
| **4.6** | **Schema diagram** | **11** |
| **7.1** | **Login-direct page** | **21** |
| **7.2** | **Admin login page** | **21** |
| **7.3** | **Admin dashboard** | **22** |
| **7.4** | **Employee insertion** | **22** |
| **7.5** | **Display all Employee** | **23** |
| **7.6** | **Display regional manager** | **23** |
| **7.7** | **Display clients** | **24** |
| **7.8** | **Display projects** | **24** |
| **7.9** | **Client login page** | **25** |
| **7.10** | **Client registration page** | **25** |
| **7.11** | **Client dashboard** | **26** |
| **7.12** | **Accept/Reject project** | **26** |
| **7.13** | **Initializing Employees to project** | **27** |
| **7.14** | **Manager Login page** | **27** |
| **7.15** | **Manager Dashboard** | **28** |
| **7.16** | **Employee login page** | **33** |
| **7.17** | **Employee Dashboard** | **34** |