**PROJECT ON**

**PCSAUTOMATION**

**Developed by:**

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**NIIT**

**PROJECT TITLE**

**PCSAUMATION Project**

Batch code : S210167

Start Date : 12.11.2020

End Date : 12.12.2020

Name of coordinator : LOPAMUDRA BERA

Name of Developers : JOYASREE MONDAL

Date of Submission :12.12.2020

**NIIT**

**CERTIFICATE**

This is to certify that this report, titled **PCSAUTOMATION** embodies the original work done by **MS.** **Joyasree Mondal**  in partial fulfillment of his course requirement at NIIT.

**Coordinator: Lopamudra Bera**

**ACKNOWLEDGEMENT**

We have benefitted a lot from the feedback and suggestion given to us **Ms.** **LOPAMUDRA BERA** whose guidance did half the magic of keeping me thrilled thought this project. NIIT gave my golden opportunity. I really thankful to them.

**ABSTRACT**

The project manage the entire process of allocating the project to an employee as his/her skillset working in the company.

This application provides a single window system to Employees ,HR and PM of a company to the skill specific requirement emerging in project

**CONFIGURATION**

Hardware:4GB RAM,1TB HARD DISK, INTEL I3 10th GENERATION PROCESSOR

Operating system: WINDOWS 10,x64

Software: ECLIPSE 2019,MY SQL,MS EXCELL,MS WORD

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Challenge

Observations

Reference

**AIM**

To create an mapping application that operates via online recruiting website.

**OBJECTIVES**

Following are the objectives to be achieved through Skill Mapping Application

* User registration
* Skill map
* Job Postings
* Profile Validation
* Recruitment

This objectives are to be automated which were previously done manually.

**CASE STUDY**

**LITERATURE RESEARCH**

**Introduction**

* + To automate the existing recruitment procedures, which would help the HR Consultants to map the Job seekers with appropriate skills and offer workforce solutions to business needs.

**Background Information**

* The recruitment and skill mapping were previously done manually by HR which would take weeks to sort the required user profile.

**STATEMENT OF REQUIREMENTS**

|  |
| --- |
| **PROJECT OBJECT** |

|  |  |
| --- | --- |
| Title | PCS Automation |
| Subtitle | Employee Management System |
| Author(s) | Joyasree Mondal |
| Author’s E-mail | Joyasree.niit.mondal@gmail.com |
| Author’s phone | 8513032171 |
| Description | Automated Consultancy Service |
| Version | 1.01 |

**About your Company**

* services to clients Professionet Consultancy Services(PCS) is a Business Consultancy which provides business services to client.

**Need for process** **Automation**

* .Adds consistency and quality to requiment
* Improve the productivity or HR team
* Saves time easing the workload
* Enables organization to find the right talent

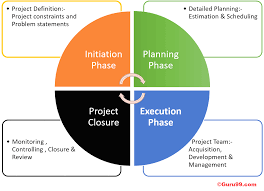
**Software Requirement**

* JRE
* ECLIPSE
* MYSQL

**Benefit**

* Improves the Recruitment Qualities
* Pre-screening of Candidates

**PROJECT LIFE CYCLE MODEL**

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**The Initiation Phase:**

* The initiation phase aims to define and authorize the project. **.**

**The Planning Phase:**

* The purpose of this phase is to lay down a detailed strategy of how the project has to be performed and how to make it a success
* Strategic Planning- overall approach to the project
* Implementation Planning-ways to apply the decisions

**The Execution Phase:**

* In this phase, the decisions and activities defined during the planning phase are implemented.

**The Termination Phase:**

* This is the last phase of any project, and it marks the official closure of the project.

**SYSTEM ARCHITURE**

GUI COMPONENT

Login,Registation,HRA,.EMP,PME

**Presentation Layer**

DATABASE

Table-Employee,Skill,Job,

EmpSkill,EmpJob

JRE

Code

JDBC Connection

C

**Application Layer**

**Data Accese Layer**

1. **Tier Architecture**

* **Presentation Layer** that sends content to browsers in the form of HTML/JS/CSS. This might leverage frameworks like React, Angular, Ember, Aurora, etc.
* **Application Layer** that uses an application server and processes the business logic for the application. This might be written in C#, Java, C++, Python, Ruby, etc.
* **Data Layer** which is a database management system that provides access to application data. This could be MSSQL, MySQL, Oracle, or PostgreSQL, Mongo, etc.

**SOFTWARE SPECIFICATION REQUIREMENTS**

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**HIGH LEVEL USE CASE DIAGRAGRAMS**

* High level diagrams that would be used for developing a Software product. The diagram provides an overview entire system, identifying the main component that would be developed for the product and their interface.

**HR PM EMP**

Application Layer

SQL DB

Business Logic.

User interface

**LOW LEVEL USE CASE DIAGRAMS**

**HREHOME**

* HR can view employee information
* HR can update employee information
* HR can update requested skills of the employe

PMP.

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**.**

HR..

HOME

**PMEHOME**

* PME can view Skill of the employee
* PME can add a new job for employee
* PME can view all project jobes

PMHOME

**EMPHOME**

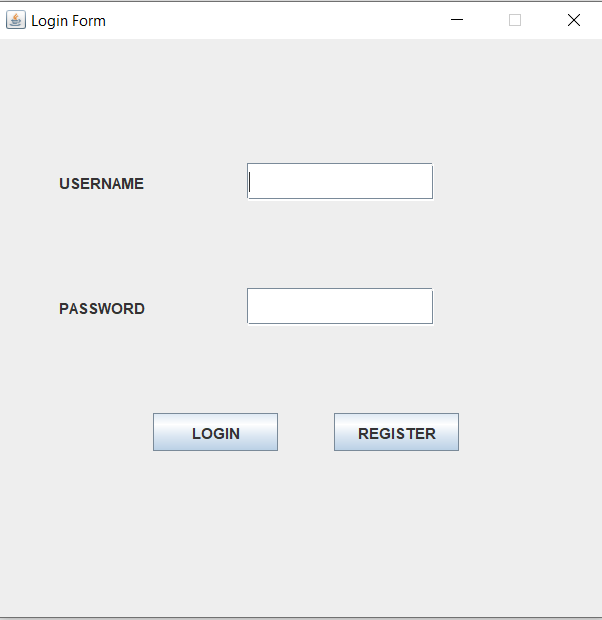
* Employee can view his/her own information
* Employee can request to HR for Updating his/her information
* Employee apply for job assigned by the pme

EMPHOME

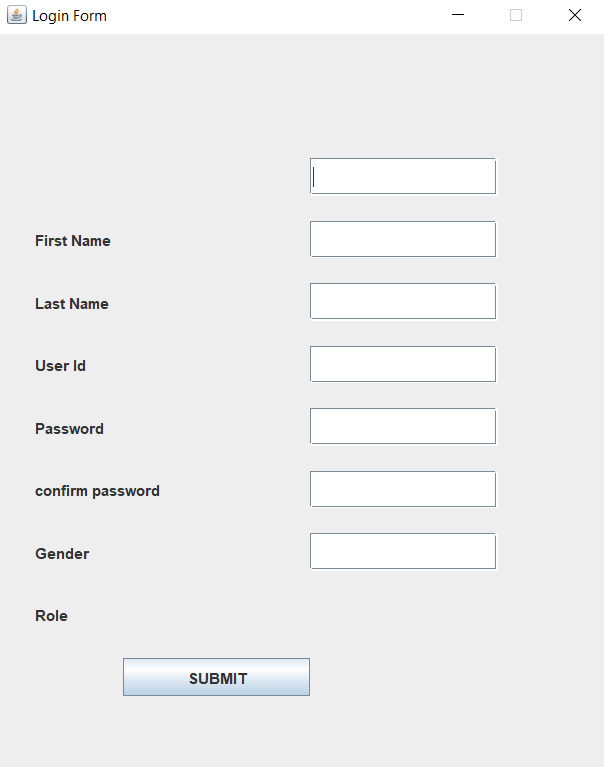
**USER INTERFACE DESIGN**

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**Login Form**

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**Registration Form**

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**SYSTEMS INPUT AND OUTPUT DESIGN**

**DATABASE STRUCTURE**

**use pcsdb;**

**create table Employee(**

**empId int auto\_increment,**

**FristName varchar(30)not null,**

**LastName varchar(30) not null,**

**UserId varchar(30)not null,**

**Password varchar(20)not null,**

**Role varchar(3)not null,**

**Gender varchar(10)not null,**

**Active varchar(10)not null,**

**primary key(empId)**

**);**

**insert into Employee(FristName, LastName,UserId,Password,Role,Gender,Active)**

**values("Joyasree","Mondal","Joya123","pass@123","HRA","Female","Active")**

**select\*from Employee;**

**create table EmpSkill(**

**ESId int auto\_increment,**

**EmployeeId varchar(30) not null,**

**SkillId varchar(20) not null,**

**ExpYear varchar(30) not null,**

**primary key(ESId)**

**);**

**insert into EmpSkill(EmployeeId,SkillId,expYear)**

**values("3401","436","30/12/2020")**

**select\*from EmpSkill**

**create table EmpJob(**

**EJId int auto\_increment,**

**EmployeeId varchar(30) not null,**

**JobId varchar (20) not null,**

**Recruited varchar(30) not null,**

**primary key(EJId)**

**);**

**insert into EmpJob(EmployeeId,JobId,Recruited)**

**values("4501","053","Professional Associations")**

**select \*from EmpJob;**

**create table Job(**

**JobId int auto\_increment,**

**Jobtitle varchar(30) not null,**

**JobDescription varchar (40) not null,**

**companyName varchar (30) not null,**

**Location varchar(30) not null,**

**keySkill varchar(20) not null,**

**Salary varchar (30) not null,**

**Active varchar(30) not null,**

**primary key(JobId)**

**);**

**insert into Job(JobTitle,Jobdescription,companyName,Location,keySkill,salary,Active)**

**values("project Manager","self confidance","TCS","SaltLak","Managment","24000","Active")**

**select\*from Job**