7. Functional Requirements

|  |  |  |
| --- | --- | --- |
| Functional Requirement Id | Requirement Name | Details of requirement |
| FR01 | Authentication | The system will provide the functionality to all the users once they log onto the system with their username and password. Based on their levels, they will be directed to different pages or section |
| FR02 | Login declined | If the user enters the wrong username and password, it will show the error message. |
| FR03 | Admin changes | Once admin login to the system, they can easily see everything about employees and employers, and they can make changes as required |
| FR04 | Job listing | Employers can post jobs and specific details |
| FR05 | Registration for Job | A job seeker can register online to apply for the job or as an employee |
| FR06 | Addition of employee to the list | Admin will have the ability to add job seeker to the employee list |
| FR07 | Reset password | Due to privacy concerns any registered user in the system can change their login password |
| FR08 | Upload CV | Jobseeker can upload their CV including cover letter to apply for a job |
| FR09 | Download CV | Admin can download the CV of the applicant from the system |

8. System Requirements h/w-s/w

**Software Requirements:**

Windows: 7 or newer

MAC: OS X v10.7 or higher

Linux: Ubuntu

**Software Interface:**

I-Front End Client: Html-I-Web Server:

WASCE-I-Data Base

Server: DB2-|-Back End: Java2.

**Hardware Requirements:**

We strongly recommend a computer fewer than 5 years old.

Processor: Minimum 1 GHz; Recommended 2GHz or more

Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)

Hard Drive: Minimum 32 GB; Recommended 64 GB or more

Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

Sound card w/speakers

Some classes require a camera and microphone

Recommended Software

**Supported Browsers**

People often ask what browser they should use. There is no single answer for this. Use whichever browser works best on your computer. However, we recommend downloading Firefox and/or Chrome in addition to having Internet Explorer or Safari.

**Firefox**

**Chrome**

9. Non-Functional Requirements

**1. Performance Requirement**

● The system should respond fast to any request the user made

● The system should protect individual data & keep it secure

● It must be Portable

● It should be Highly compatible with the user system

● The system must be Reliable Failure rate should be close to zero

**2. Safety Requirement**

● All system data is backed up at regular intervals and the backup is stored on

different servers for disaster recovery.

● The admin access is restricted to the college network.

● The data is always logged also to recover from the loss of data

**3. Security Requirement**

● The access to the administrators is restricted to authorized personnel.

● The administrator accounts are only accessible from the college network.

● The authentication of the user is done by email verification at sign-up.

● Computerized login is prevented using a capuche code for login.

**4. Software Quality Attribute**

● The system should give the correct results consistently. Product reliability is

measured in terms of working of the project under different working

environments and different conditions

● Maintenance should be cost-effective and easy. The system is easy

to maintain and correct defects or make a change in the software.

● Easy to use for input preparation, operation, and interpretation of the output.

● Provide consistent user interface standards and conventions with our other

frequently used systems.

● Easy for new or infrequent users to learn to use the system.

**5. Business Rule**

● to trigger specific workflows

● to default values

● to validate data entry

● to calculate values

● to propagate data from other fields/tables

● to raise warnings or errors and so on