**Requirement Document**

**Topic**: *LOGIN PAGE FOR A PORTAL*

PURPOSE

A login page to authenticate the users with the help of username and the respective password which are mapped in a database. The stakeholders include employees of an organization or students from a particular institute, and more.

FUNCTIONALITY

* The user should be able to enter the login credentials.
* The system should validate the entered details against a database.
* If the credentials are correct, the user should be redirected to their dashboard.
* If the credentials are incorrect, appropriate error message such as “User name does not exist” or “Incorrect password” should be produced.

ADDITIONAL FEATURES

* Password reset option should be given if the user forgets or wants to reset their password.
* Two-Factor Authentication can be implemented by sending OTP for verification.
* Captcha can be integrated to avoid brute-force attacks by bots.
* After a set number of incorrect entry, account locking or cooldown timer could be enabled.

REQUIREMENTS

1. *Front-end*: Technologies like HTML, CSS or Bootstrap for user interface.
2. *Back-end:* Server-side technologies such Node.js etc.
3. *Database:* Specific databases such as MySQL to store and process the details.
4. *Framework:* The required framework for the page such as React.