**Project Title: Employee Management System**

**Category:** Web API (PHP)

## PURPOSE

The purpose of developing this “Employee Management System” is to provide a management system to a user to register its employees.

## INTRODUCTION

### Proposed System

The system after careful analysis has been identified to be presented with the following modules:

* **User Sign\_up:** User can inter his information
* **User Login:** User use password and email for login.
* **Add Employee:** User can add employee information.
* **Search Employee:** User can Search a Employee.
* **Employee Listing:** Show the list of Employee.
* **Forget Password:**User can reset his password.

**User Sign\_up API:**

**Request Parameters:**

* $cnic
* $id
* $name
* $phone
* $address
* $email
* $department
* $gender

**Response Parameters:**

* $message

**Class:**

* $validation
* $Sign\_up

**Methods:**

Validate email.

Validate Password.

Validate name.

Validate CNIC.

Validate phone.

Validate Department.

**User Login API(Request method $\_POST):**

**Request Parameters:**

* $user\_password;
* $email;

**Response Parameters:**

* $message

**Classes:**

* User
* Database

**Methods:**

* login();
* db\_connection();

**Search API:**

**Request Parameters:**

* $name
* $id

**Response Parameters:**

* $cnic
* $id
* $name
* $phone
* $address
* $email
* $department
* $gender

**Methods:**

* get-connection
* Search

**Listing API:**

**Request Parameters:**

* Query To fetch data

**Response Parameters:**

* $cnic
* $id
* $name
* $phone
* $address
* $email
* $department
* $gender

**Methods:**

* show\_empolyee\_data

**Add Employee API:**

**Request Parameters:**

* $name
* $phone
* $address
* $department
* $gender
* $cnic
* $email

**Response Parameters:**

* message for confirmation of insertion.

**Methods:(POST)**

* get connection
* get employee data
* validate data
* add employee

**Forget Password API:**

**Request Parameters:**

* $password
* $otp
* $email

**Response Parameters:**

* message

**Classes:**

* Forgetpassword
* Checkotp

**Methods:**

* email\_send();
* check\_email();
* Otp\_compare();
* otp\_match();
* send\_password();

# FUNCTIONAL REQUIREMENTS

"Functional requirement describe what a system should do."

* Users must have valid User ID and password to login thus creating their individual profiles.
* User must be register to login.
* User can reset his password.
* User can register new employees.
* User can fetch the list of employees.

# NON FUNCTIONAL REQUIREMENTS

Requirement that specifies criteria that can be used to judge the operation of a system are called non functional requirements. Non functional requirements of our system are mentioned below

* + Secure access of confidential data (user’s details).
  + Maximum time availability.
  + Better component design to get efficiency at peak time.
  + Flexible service based architecture will be highly desirable for future extension.

## SOFTWARE TOOLS

**Database Server : Local\_host**

**Development Tools:** Microsoft Visual Code **Programming Language:** PHP

## DEPLOYMENT

**Operating System Server:** Window 10

### HARDWARE SPECIFICATION

**Processor:** Intel Core i7

**RAM: 8**GB

**Hard Disk:** 1 TB

## Thank you!