

# Task Document

**Task Title:** Python Developer (Employee Verification Portal)

**Team Members:**

**1. Name:** Gangeshwar Lohar

**Task Description:**

The project is titled 'Employee Info & Certificate Verification Portal', which aims to provide a secure and responsive system for employees to view their data and upload certificates for verification. It also provides the admin full control over the verification process.

**This task is divided between two parts as follows:**

**-First will work on the **\*\*Admin Module\*\***, which includes:**

1. Admin Login
2. View/Add/Edit Employee Information
3. View & Verify Certificates
4. View Task Records

**- Second work on the **\*\*Employee Module\*\***, which includes:**

1. Enter ID to access Profile
2. View Task History
3. Upload Certificates
4. View Certificate Verification Status

Project Document: Employee Info & Certificate Verification Portal

**Project Overview**

This project aims to create a secure and responsive portal for organizations where employees can access their verified information using a unique ID. It also provides functionality for task tracking and certificate verification.

## Objectives

- Allow employees to view their personal and task-related details using only their ID.
- Enable employees to upload certificates for verification.
- Provide admin-level control to validate and manage the authenticity of certificates.
- Prevent misuse by detecting fake documents through manual or automated review.
- Users & Roles
  - Admin: View/Add/Edit employees, verify certificates, view task records
  - Employee: Enter ID to view profile, tasks, upload certificate
  - Team (Optional): Assist admin in verification & record management

## Key Features

- ID-based Access: Employees can access their details with a unique ID.
- Auto-Display of Employee Info: Name, designation, join date, profile image, etc.
- Task History Section: List of tasks completed with dates and descriptions.
- Certificate Upload: Upload scanned PDF/Images of certificates.
- Admin Panel: Manage users, certificates, and verification results.

## Technology Stack

- Frontend: HTML, CSS
  - Backend: Python (Flask or Django)
  - Database: MySQL
  - Database Design
    - employees(emp\_id, name, designation, join\_date, profile\_image)
    - tasks(task\_id, emp\_id, task\_title, task\_detail, task\_date)
    - certificates(cert\_id, emp\_id, cert\_title, cert\_file, cert\_status, upload\_date)
- Application Flow

### **For Employee:**

- 1. Enters employee ID
- 2. Backend fetches data from employees table
- 3. Shows: Profile info + Task history + Uploaded certificates
- 4. Option to upload a new certificate
- 5. Upload is reviewed & status updated

### **For Admin:**

- 1. Login to portal
- 2. See list of employees, pending certificates
- 3. View & verify certificates
- 4. Mark them as 'Verified' or 'Fake'

### **Optional Advanced Features**

- OCR/ML-based certificate verification (auto flag fake docs)
- Certificate ID search
- PDF generation of verified profile
- Email/SMS alert on certificate verification
- Dark/light mode for UI

### **Conclusion**

This portal simplifies employee data and certificate management. It ensures security, data accuracy and helps organizations maintain a verified workforce record with easy access

- Upload and verify certificates
- Admin panel for full data control

## **Terms & Conditions:**

- 1. The task must be completed within the given timeline.**
2. The source code should be uploaded to a public GitHub repository, and the link must be submitted.
3. The website should be deployed live using any available server, and the live link must be submitted.
4. A post about the project should be published on LinkedIn, and the post link must be submitted through the provided form.

## **FIGMA DESIGN**

<https://www.figma.com/design/oB2qtEH5NZOWKah6UUynmB/Employee-web-portal--Community-?node-id=20-160&t=f6QdMiruu90jVIXS-0>

## **Form submission link**

<https://forms.gle/Zj14U1M5EAgaG2kQ9>

**Warm regards,  
Team ZikRme**

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**Best of Luck**