

PROJECT TITLE

NexGen Solution

Description: A comprehensive web-based system designed to streamline employee and project management within an organization. It aims to provide a centralized platform for tracking employee information, managing project timelines, allocating resources, and monitoring progress, ultimately enhancing productivity and collaboration.

PROJECT PURPOSE

You are building a small-scale web-based Employee Management System for a fictional company.

The system supports daily operations such as employee tasks, leave requests, payroll inputs, and HR administration.

It is a practice-based university project, so the system must be functional, structured, and realistic, but not at an enterprise level.

TECHNOLOGY STACK

Frontend

- HTML5
- CSS3
- Bootstrap for responsive design
- JavaScript for form validation and UI behavior

Backend

- PHP 8 or later

Database

- MySQL

Server

- Apache using XAMPP or a similar local server
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SYSTEM USERS AND ROLES

The system has five user types.

Guest

- Views public company pages
- Sends inquiries through a contact form

Employee

- Logs in
- Views assigned tasks
- Updates task status
- Applies for leave
- Views leave history
- Views salary slips

Project Leader

- Logs in
- Assigns tasks to employees
- Tracks project progress
- Reviews and recommends leave requests
- Submits payroll inputs such as overtime and bonuses

HR

- Manages employee records
- Approves or rejects leave
- Processes payroll
- Views and replies to inquiries

Admin

- Manages users and roles
- Has full system access

CORE SYSTEM MODULES

Authentication

- Login and logout
- Password hashing
- Role-based redirection

Inquiry System

- Public contact form

- Inquiries saved to database
- HR can view and respond

Task Management

- Project leaders create and assign tasks
- Employees update progress
- Task status tracking

Leave Management

- Employees apply for leave
- Project leaders review
- HR gives final approval
- Leave history stored

Payroll System

- Project leaders submit payroll inputs
- HR generates salary slips
- Employees view salary slips

Dashboards

- Each role sees a different dashboard
- Data displayed based on role

DATABASE

The database includes tables for:

- Users
- Roles
- Employees
- Projects
- Tasks
- Leave requests
- Payroll inputs
- Salary slips
- Inquiries

All tables use **foreign keys** to maintain **data integrity**.

FILE STRUCTURE

Public Pages

- index.php
- login.php
- contact.php

Employee Area

- employee.php
- tasks.php
- leave.php
- salary.php

Project Leader Area

- leader.php
- leader_tasks.php
- leader_payroll.php

HR Area

- hr.php

Admin Area

- admin_user.php

Shared

- db.php
 - header.php
 - footer.php
 - style.css
 - script.js
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SYSTEM GOAL

The goal is to demonstrate:

- Role-based access control
- Realistic HR and project workflows
- Database-driven web application
- Clean separation between user roles
- Proper use of PHP and MySQL