

Abstract

Company System Project is an essentially software designed to keep track of employee information in any company. It stores informational data of company's employees, clients, projects and economy. The goal of "Company System" is to create a work centre scheduling system. The Company system project gives managers a better idea of their employees and helps them plan and manage their work hours in order to cut costs and boost productivity. It gives appropriate directions and supervisions for employees and also helps the high level management to make the most out of the company's resources in an efficient manner. It also secures and manages information that are important to the employees including personal and work-related information. It keeps track of current status including clients, projects, working team and all the needs required for an organization. The project also includes biometric attendance system which is designed intelligently to ensure the lowest errors.

Company System can help your business to be more organized and profitable while better serving customers. It will boost productivity, quick communication, automation and accuracy.

Requirement Analysis

1. Key Stakeholders and End-Users

Company system is sponsored by RichTech IT Solutions and their requirements are:

- A. Managing employee information
- B. Managing client information and updates
- C. Project management in an effective way
- D. Overview of complete economy
- E. Secured environment
- F. Fast and reliable workflow
- G. User Friendly interface

2. Categorize requirements

A. Functional requirement

Our company system will offer a better user interface with enhanced features of modern requirements that will help every user interact with the management, colleagues to have a better communication to ensure effective working of the system.

B. Technical requirements

Company System is built with HTML/CSS/Bootstrap, programmed with PHP, JavaScript and Python which makes the project versatile.

C. Transitional Requirements

This Project is robust and portable as it's programmed in PHP and JS, so it's easy to add up new features without disturbing other features. This project is platform independent so no matter which platform the user uses, it supports and give the best experience to the End-user.



Waterfall Model

Requirements

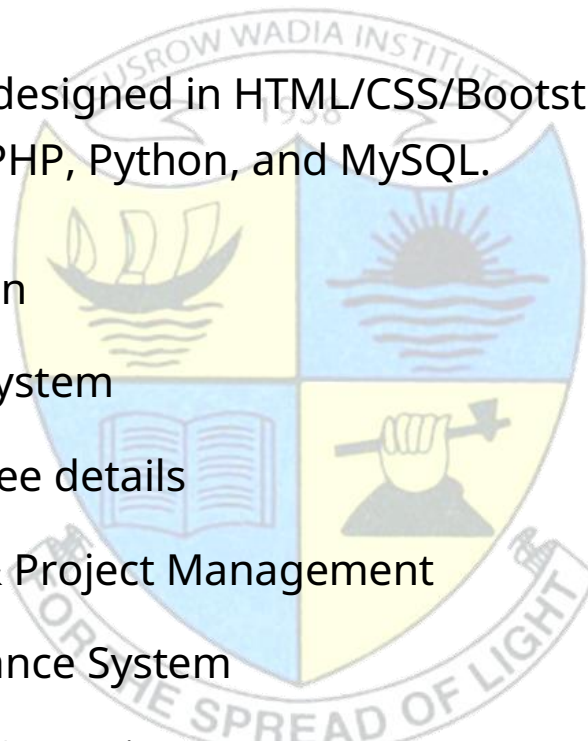
A software system that manages all the data regarding employees, clients, projects, and the economy. It generates precise reports, invoices, and other documents.

Design

Software designed in HTML/CSS/Bootstrap, JS, and backend with PHP, Python, and MySQL.

Implementation

1. Login System
2. Employee details
3. Client & Project Management
4. Attendance System
5. Report & Invoice generator
6. Evaluation for Recruitment
7. Economical Stats
8. Project Documentation

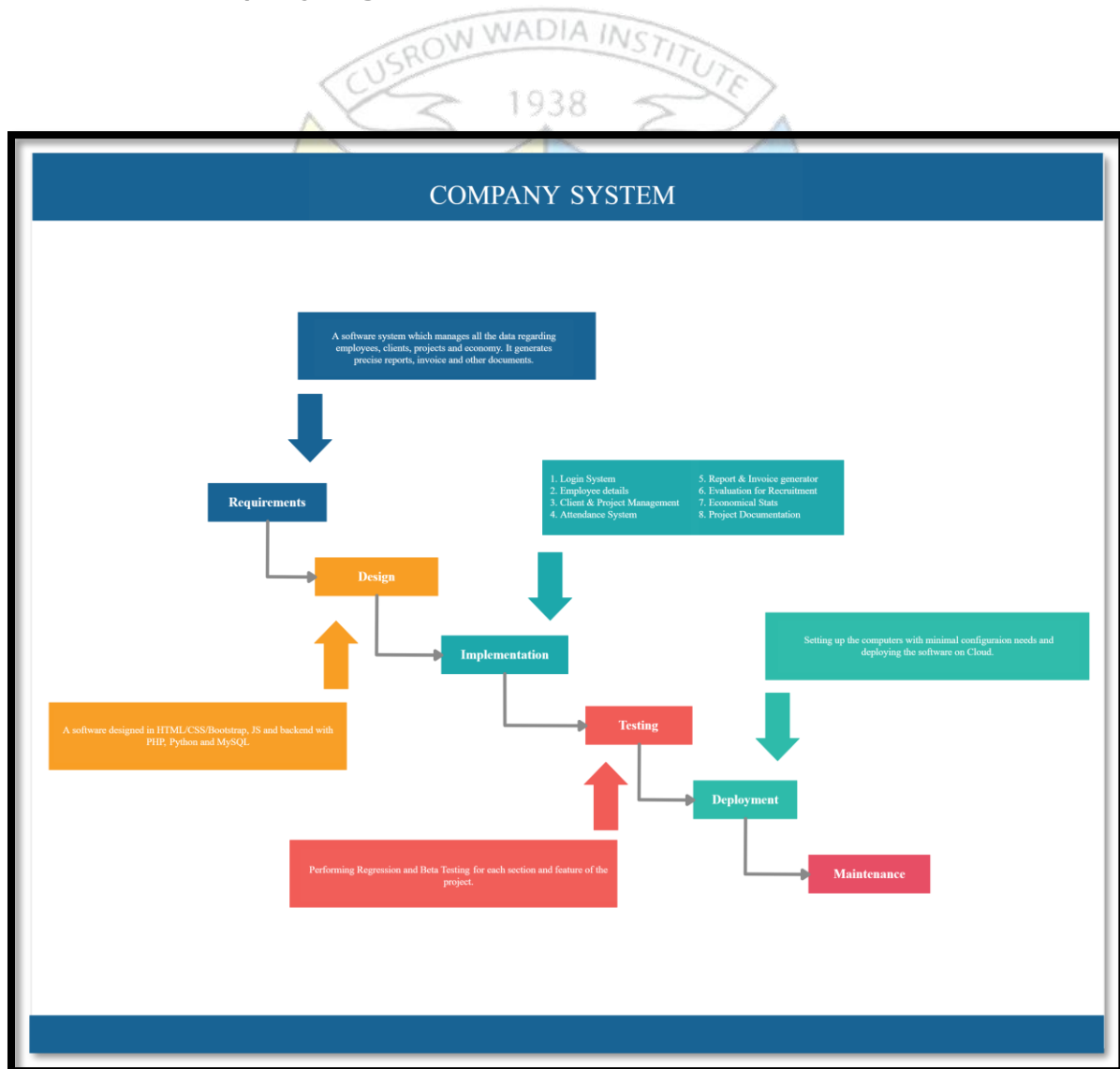


Testing

Performing Regression and Beta Testing for each section and feature of the project.

Deployment

Setting up the computers with minimal configuration needs and deploying the software on Cloud.



Requirement Traceability Matrix

Id	Sub. ID.	Task name	Task description	Status
1.	1.1	Login	Login with suitable privilege	Completed
1.	1.2	Forgot Password	Forgot password link (unique)	In progress
1.	1.3	Logout	For security reasons we need to log out users	completed
2.	2.1	Add employee into system	Add new employee to the system	Partial completed
2.	2.2	View employee details	Monitoring of employee work	Partial completed
3.	3.1	Attendance system	Record in-time and out-time of each employee	In progress
3.	3.2	Attendance logs	View attendance logs of particular employee with name, id or date	In progress
4.	4.1	Add client	Adding client and their projects into the system	Completed

4.	4.2	Add project work	Recording complete project description and requirements	Completed
4.	4.3	Assign work to employee	Creating a group and assigning employees the project work	Completed
4.	4.4	Monitor work progress	Keeping track of the projects in the company	Partially completed
5.	5.1	Project documentation	Documentation of ongoing and completed projects	Not started
5.	5.2	Generate billing invoice	Generate invoice of completed projects	Not started
6.	6.1	Salary Receipt generator	Employees salary receipt	Not started
7.	7.1	Company economical stats	Keeping track of all financial related data	Not started
8.	8.1	Project system	Monitoring of past and upcoming projects	In progress

8.	8.2	Project Archive	Keeping record of notable project work for future references	Not started
9.	9.1	Recruitment	Platform for evaluating skills of new candidates.	Partial completed

Literature Survey

Introduction

Company system is designed to keep track of all workflow of the company. The main aim for this system is to automate most of the manual things and to manage and retrieve data in most efficient way.

Keywords

Project Management, PHP, Bootstrap, HTML/CSS, JavaScript, Cloud, MySQL, Arduino.

Objective

This project will provide features like secured environment, ease workflow, reduce in manual work, charts for better analysing work in project management, financial

and employee details. Company system is programmed with PHP and MySQL in the back end which makes it versatile, easy and helps it to run it nearly on any Operating System.

Relevant resources:

1. GitHub
2. Google Scholar
3. StackOverflow
4. GeeksForGeeks
5. PHP Documentation

In today's world managing data is most essential part for any organization. The main motive of this project is to manage the data and give the best view so that it becomes easy for the employees to manage and complete their work effectively and with ease. This project will help to show the data in summarized manner so that the organization can focus more on the projects and handling their clients. This project makes sure that the time consuming systems will get minimized.