# BUILDER SUPPORT SYSTEM

**Sakshi Deshmukh[1], Nikita Jagtap[2], Jay Unawane[3], Pritkumar Chhabhaiya[4]**
**Prof. Jyoti Mhaske[5]**
[1,2,3,4]**Diploma Scholar, Dept. of Computer Engineering, MET BKC, Nashik M.H**
[5]**Lecturer, Dept. of Computer Engineering, MET BKC, Nashik M.H**

## Abstract

With continuous economic development and scientific and technical progress [i] global market competition is becoming increasing. The basic knowledge of the supply chain management and Task monitoring and tracking system were introduced in this paper. Some problems of existing supply chain management system get analyzed. It's proposed that co-operation and communication be reinforced and good relationship between admins and workers be well maintained. Supply chain management and Task monitoring and tracking system are effective tools for the construction enterprise to save cost, shorten construction period.

## Introduction

This system is a web application where the user will be using the application will work with web application. This application is meant for field work employers, when the Admin will login to the system with user id and password This web Application is specially design for land developers and the people who work at construction sites .Where the Admin can assign task directly to the worker as well as project manager. Here using this web application worker or manager can see the assign task .and they can show the status of completed work. It will help for tracking and monitoring system. Website is built on latest standards and it is responsive.

This application is useful in many sectors like Real Estate, Company's Hospital etc.

## Literature Survey

We clarified that SCM can assume significant parts in construction. We recognized those three sorts of particularity which all can be connected in construction: modular-in-production, modular-in-design and modular in-use. We also derived that how the supply chain management practices of huge customer associations can be connected to their construction supply chains all the more successfully.

## Hardware Requirements:-

• Pentium processor +

• RAM-1GB+

• Hard Disk 25GB

• Operating System-Windows

• XP/7/8/10/ Ubuntu /Linux/Mac

**Software Requirements:-**

• Language-PHP, Java script

• Server-XAMPP VERSION 7.0.1

• Database MySQL version 7.0.18

• Local server Apache 2.4.18

### 1. PHP:-

PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

### 2. JavaScript:-

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages.

### 3. XAMPP:-

XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing and deployment purposes.

### 4. MySQL: -

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company**.**

### 5. Apache: -

Apache's popularity in the Web hosting market is largely because it is open source and free to use. Therefore, Web hosting companies can offer Apache-based Web hosting solutions at minimal costs. Other server software, such as Windows Server, requires a commercial license.

• **Working:-**

• The Task monitoring and tracking system is web application platform specially design for land developers and the people who work at construction sites. It has special panel for Admin through which the admin can assign task to the project manager. The application will handle by the Admin i.e. Builder, Land developer. The builder will assign the task to the project manager and the project manager will complete the given task and he will report to the Builder i.e. the work has been completed. And the task for the workers will be assign by the project manager or the Admin and when the workers will complete their task, they will report to the project manager or they also give the report to the Admin directly.

• **Module: -**

There will be 3 modules in this application the builder, project manager and workers.

**1. Admin (Builder):-**There is a important role of Builder in the application. The Builder will assign task to the project managers or the workers of the different sites.
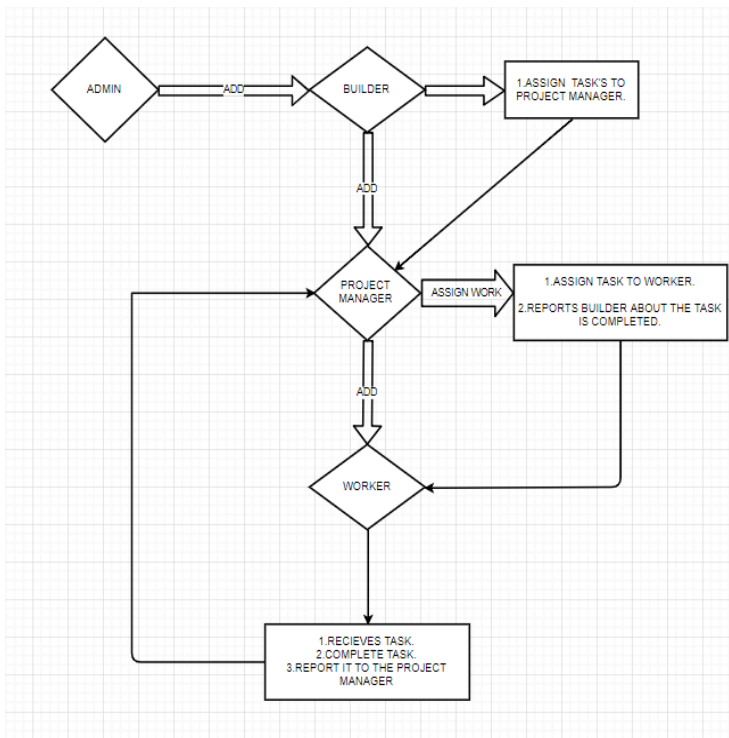


Fig. Block diagram

**2. Project manager: -**The role of project manager is to complete the task or work given by the builder. And he I'll also assign the work or task to the workers on the construction site.

**3. Worker: -**The goal of worker is to complete tasks or work given by the project manager and after finishing the work they report to the project manager or they can directly report to the builder.

• **Features: -**

**1.**     **Admin login:** Admin will access the

system with admin I and password.

**2.**     **Add Project Manager:** Admin will add new employee by entering employee personal details.

**3.**     **Check Salary:** Admin can check salary of employee by entering employee I d and date.

**4.**     **View Point:** Admin will view latitude and longitude of the GPS location of the employee.

**5.**     **Change Password:** Admin can change password of the employee.

**6.**     **Check Location:** HR can check location of the employee by entering employee Id and date.

**7.**     **User Login:** User will access system with his user identity number and password with his android phone. User will captured his image and clicks on submit. User's image and GPS location will send to admin.

**8.**     **Tracking GPS location:** System will track GPS location of the employee and will be automatically send to admin after every 5 minutes.

**9.**     **User Logout:** Once the user logout the system, image of the user and current GPS location will be sent to admin.

• **Application:** -

• It is compatible with both android and web browser.

• This application can be used for the employees who go for field work so that they can be easily tracked.

- **Advantages**:-

• This system helps the admin to keep track of the employees who go for the field work.

• It is compatible with both android and web browser.

• Uniquely designed to automate construction process

**Conclusion:** - This idea of Task monitoring and tracking system is world's first platform specially designed to increase productivity, effective cost reduction and proper management for people who are related to land development in construction.

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