

AUTOMATIC TASK ASSIGNING FOR EMPLOYEE USING ODOO FRAMEWORK

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1.1 INTRODUCTION

Odoo is a Belgian suite of business operation software tools including, for illustration, CRM, e-commerce, billing, account, manufacturing, storehouse, design operation, and force operation. Odoo experience which took place in Belgium in October 2022, Fabien Pinckaers blazoned that moving forward Odoo will make all operations available for free in the enterprise edition, making Odoo an unequaled suite of 70 integrated business apps. The Community interpretation is libre software, certified under the GNU LGPLv3. The Enterprise interpretation has personal redundant features and services.

The source law for the frame and core ERP modules is curated by the Belgium- grounded OdooS.A. Odoo is available for both on- demesne and ready- to- use SaaS surroundings. The source law for the OpenObject frame and the core ERP modules are handed by Belgium- grounded OdooS.A. OdooS.A(formerly OpenERPS.A) has released the core software as open source.(4) Since the V9.0 release, the company has transitioned to an open- core model, which provides subscription- grounded personal enterprise software and pall- hosted software as a service, in addition to the open- source interpretation. In 2013, the not- for- profit Odoo Community Association was formed to promote the wide use of Odoo and to support the cooperative development of Odoo features.(5)

Odoo's extensible armature allows a large number of freelancers and associations to develop Odoo Apps or Modules and place them in the business for trade or to be downloaded for free. The main Odoo factors are the frame, about 30 core operations(also called sanctioned modules), and thousands of community modules. Odoo has been used as a element of university courses.(6) A study on experimental literacy suggested that Odoo(also known as OpenERP(7)) provides a suitable volition to personal systems to condense tutoring. Several books have been written about Odoo, some covering specific areas similar as account or development. The web client started as an application made with a custom class and widget system, but it is now transitioning to using native javascript classes instead, and Owl as a component system. This explains why both systems are currently in use in the codebase.

From a high-level perspective, the web client is a single-page application: it does not need to request a full page from the server each time the user performs an action. Instead, it only requests what it needs and then replaces/updates the current screen accordingly. Also, it manages the url to keep it in sync with the current state. The javascript framework (all or some parts) is also used in other situations, such as the Odoo website or the point of sale. This reference is mostly focused on the web client.

1.2 OBJECTIVE

There will be different systems grounded on different operations. Each design will have its own planning, organizing, analysing and controlling the operations to attain the final result. The thing of the systems is always to attain the defined pretensions of the company. It might be delicate to manage each design collectively and manually. With Odoo ERP, you can view the progress of each design under one module. The Project module of Odoo 15 helps you to manage, dissect and corroborate every design of the company. Let us look at how the module functions and helps in managing the systems.

Design module after installing it from the Odoo Applications, you can view different systems of the company displayed on the screen. By looking at them, you can view the number of tasks assigned to them along with their status. The entire design operation can be executed throughout from the Project module dashboard. With the filtering point, you can filter out needed data similar as My Favourites, Followed, My systems, Open and Archived. The data can be grouped on the basis of Project Manager, Customer, and Status using the Grouped By option. More details of the project can be viewed by simply clicking on them.

1.3 SCOPE OF THE PROJECT

A design is pivotal to a company's success. Each company has its own set of systems. There are numerous different types of systems in a business, and there are numerous different ways to handle them. A design goes through colorful processes from beginning to completion. still, maintaining such a procedure continuously and manually is a grueling undertaking. still, the Odoo 15 Project module aids the establishment in better design operation. Odoo adds new features to each module with each new release.

Odoo includes some new features to Project Management in interpretation 15. Let's look at those innovative features in the Odoo 15 Project module. Let's begin by implementing a project. When you select the project module, a list of projects that have already been created in the company appears. While clicking

the Create button, one can create a new Project. Before creating a project let us discuss the features of the project module. So let us go to Configuration and choose Settings.

Configuration > Settings

Enable Collaborative Pads, Sub-tasks, Recurring Tasks, Task Dependencies, Project Stages, Planning, Timesheets, Profitability, Customer Ratings.

Then: Save

Collaborative pad: This is a task pad that is used to collaborate with the task's assignee.

Assignees can use this pad to write work descriptions.

Sub-task: It is possible to add subtasks to a given task if it is too large. As a result, a subtask like this can be added to the parent task.

Recurring Tasks: Some tasks must be repeated several times over a period of time.

As a result, this option can be used to set the repetition in such cases.

Task Dependencies: We have a task that occurs due to another task.

In such circumstances, the task can only be completed after another task has been completed.

As a result, it is possible to pause the task in order to do another.

Project Stages: A project goes through several stages before it gets finished. When we glance at the dashboard, we can quickly understand the state of the project.

Planning: Using the planning module, we can estimate the number of hours required to accomplish the project

Timesheets: Some personnel was assigned to specific tasks. Those that completed the work must include a timesheet detailing how many hours they spent on it. This feature is used to add such timesheets.

Profitability: This is where you can figure out how much money the company made on this project.

Customer Rating: It is possible to send an email mentioning consumer satisfaction.

1.4 PROJECT MODULE

The design named as “ Automatic task assigning for hand’s using odoo frame ” which was principally designed for the Project and Company Improvement. It was created to serve as an online platform in the virtual world. The introductory idea was to shoot the Task to the hand and design manage.

The Task Assigning system have an authentication which means both an admin and stoner module. But the stoner module is a sphere login which consists of https sphere login and http login. The Modules are used in the project as follows

- **Human Resource management**
- **Project Management**
- **Time Sheet**
- **Whatsapp Integrations**
- **E-mail Systems**

1.5 MODULE DESCRIPTION

Human Resource management

Human Resource Management (HRM) is a process designed to maximize employee performance to meet the employer's strategic goals and objectives. HRM focuses on the management of people within companies, emphasizing on policies and systems of the organization. HRM is the process of retaining workers, opting workers, furnishing proper exposure and induction, conducting proper training, and developing chops. HRM also includes hand assessments like performance appraisal, easing proper compensation and benefits, stimulant, maintaining a proper relationship between labor and trade unions, and taking care of hand safety, weal and health by complying with labor laws of the state or country concerned. The compass of HRM is veritably wide. It consists of all the functions under the banner of mortal resource operation. The functions are asfollows., 1) mortal Resource Planning a process by which a company identifies how numerous positions are vacant and whether the company has redundant staff or deficit of staff and latterly deals with this need of redundant or deficit.

Project Management

The Odoo project management module automates the process of managing raw materials, products and supply lines. It ensures real-time tracking and organizing of projects. Let's explore how the Odoo project management module enables businesses to easily collaborate with customers.

The Project Management module in Odoo will help you to manage all stages in completing a design in an systematized manner. This module is a smart result for managing multiple systems. You'll get all introductory functionalities inside this module which ensures real shadowing and association of systems. You can manage systems in different stages and tasks by customization options to meet your business

conditions. It's a time- saving module for your business that will give details of all ongoing systems in your company.

Time Sheet

The Timesheet module in Odoo 15 will act as an efficient time management system that will track the exact time spent by employees on assigned projects, clients, meetings, etc. The functionalities of the Timesheet module can be integrated with Project, Employees, and other HR modules. Operation of time, no need to say, is a pivotal element in any kind of business. The Odoo ERP system offers colorful modules to simplify the tasks related to company operations and effectively manage the precious time of workers.

It's veritably important to track and keep a record of the time spent by workers on assigned tasks. Recording the time taken to complete an assigned task will help the company to insure delicacy while selling billable time to the guests. The Timesheet module in Odoo 15 will act as an effective time operation system that will track the exact time spent by workers on assigned systems, guests, meetings, etc. The functionalities of the Timesheet module can be integrated with design, workers, and other HR modules. When you open the Timesheet module, you'll get the grid view of all recorded timesheets on this platform. As you can see in the screenshot given below, the window displays the title of colorful conditioning done by the stoner similar as systems, tasks, meetings, etc

Whats'app Integration

Whatsapp is a hugely popular messaging software all over the world. It features a user-friendly interface and may be combined with Odoo to create a strong system. WhatsApp Integration with Odoo app enables users to send messages using Odoo with the Whatsapp application. It's a good one-on-one communication platform. Messages can be sent via WhatsApp.

E-Mail Systems

In on going Project will have different task and new inflow. numerous peoples will work for the design. numerous fetchers will be enforced by the different platoon members. For platoon members will get the task from the platoon lead or design director. In absence of the platoon lead and design director, the task will shoot it to the correspondence. The Task is assigned to the hand in the operation. The task will shoot to Hand through the correspondence automatically every day and the status to be streamlined in the operation itself.

SYSTEM ANALYSIS

2.1 INTRODUCTION TO SYSTEM ANALYSIS

The progress of systems in your association will profit you in numerous ways. To record all conditioning, review the operations, make necessary changes, and induce reports related to a design, a company needs a dynamic design operation system. The Odoo ERP system will give backing to your design operation platoon by furnishing an excellent design module. From creating new systems to selling them to the concerned guests, this module performs all operations efficiently to insure proper operation of systems. After creating new systems, it's veritably important to constantly review the systems to check the progress of the tasks included and the performance of the hand. It'll help you make corrections in your current strategy if necessary.

In the Odoo Project module, you'll get excellent tools to review and dissect every step in a design. It's possible to resolve the systems into different tasks and sub-tasks to insure better performance in this module. You can also assign colorful stages for the systems and tasks so that the stoner will get a precise idea about the status of a design. The reporting point in the Project module can be used to dissect the systems created in the module grounded on colorful factors. Proper analysis of systems can be fluently done using this module and the reports generated through similar analysis can be used to enhance the performance of the company by taking necessary conduct.

2.2 EXISTING SYSTEM

A design operation system is needed to track all conditioning, review operations, make applicable variations, and give reports connected to a design. assaying the progress of systems in your company will help you in a variety of ways. After the creation of new systems, it's critical to assess them regularly to cover the progress of the tasks and the hand's performance. It'll help you make any necessary changes to your current strategy. The Project module's reporting point can be used to examine systems in the module depending on a variety of factors. This module makes it simple to do proper design analysis, and the reports of similar analysis may be employed to ameliorate the company's performance by taking the applicable conduct. You can divide a design into stages grounded on the operation to make the analysis much easier. To

use this functionality in the Project module, you must first enable the Project Stages option in the module's Settings menu

Limitations to Existing System

- Project Management System.
- Task Analysis.
- Time Sheet.
- Planning and Analysis the Task.
- Customer Rating.
- Measures.
- Filters.
- Group By.
- Customer Filters.
- Graphic View.
- Line Chart.
- Bar Chart.
- Pie Chart.
- Reports.



2.3 PROPOSED SYSTEM

A design operation system is needed to track all conditioning, review operations, make applicable variations, and give reports connected to a design. assaying the progress of systems in your company will help you in a variety of ways. After the creation of new systems, it's critical to assess them regularly to cover the progress of the tasks and the hand's performance. It'll help you make any necessary changes to your current strategy. The Project module's reporting point can be used to examine systems in the module depending on a variety of factors. This module makes it simple to do proper design analysis, and the reports of similar analysis may be employed to ameliorate the company's performance by taking the applicable conduct. You can divide a design into stages grounded on the operation to make the analysis much easier. To use this functionality in the Project module, you must first enable the Project Stages option in the module's Settings menu.

Advantages of the Proposed System

- Easy and Safe Access to the application.
- Improved efficiency.
- Requires lesser time.
- 24x7 availability of the application.
- Cost-Effective.
- Helps to understand the various needs of the Requirements.
- Helps organizations plan and allocate resources for Tasks.

2.4 FEASIBILITY STUDY

The purpose of the preliminary investigation is to evaluate project requests. The preliminary investigation should accomplish the following objectives:

- Clarify and understand the project request
- Determine the size of the project
- Assess the costs and benefits of alternative approaches
- Determine the feasibility study

An important outgrowth of the primary disquisition is the determination that the system requested is doable, whether the design is virtually possible and to whether the design is time- bound and can be completed or not. This will enable the stoner to understand whether to give a go to the design or to reject it. This can be determined only grounded on the feasibility study. There are three aspects in the feasibility study portion of the primary disquisition

- Economical Feasibility
- Operational Feasibility

2.4.1 Economical Feasibility

More commonly known as Cost/Benefit Analysis. The procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs. If the benefits outweigh the costs, then the decision is made to design and implement the system. Considering the facts it is becoming evident that the system will be economically feasible both for the developer as well as for the client's respect.

2.4.2 Operational Feasibility

The management & operators desire to be well acquainted with the requisite skill needed. Here most of the members in the development team having technical expatriation.