

PROJECT SCHEDULE MANAGEMENT SYSTEM



LOW-CODE DIGITAL PLATFORM FOR ENTERPRISES AND PROFESSIONAL DEVELOPERS

<http://www.oreops.com/>



Creating an Automatic Project Schedule Management System

Industry: Construction

Customer Profile:

A Europe based company established in the Middle East, which specialized in Infrastructure industry, with a turnover of \$20 billion USD annually.

“There was no proper tracking with baseline Schedule, which is prepared when starting a project. Resource planning and deployment was very difficult to maintain in spreadsheets...”

-Planning Team Head

Challenge:

The Planning team were scheduling the project through “MS Projects” and “Primavera” but the budgeting was done through an off-the-shelf customized ERP which made it very difficult to track the project status in terms of timelines and costs incurred.

There was no option in ERP to update the actual progress in project and track the percentage of completion against individual activities.

Goals:

Baseline schedule preparation when starting a project, resource planning, actual progress updates and revision of schedule should be captured in the ERP itself. This schedule management system should be integrated with other scheduling software like MR Project & Primavera.

Solution:

Based on a detailed study and analysis, a user-friendly schedule management interface was developed and integrated with ERP. The system was also able to integrate well with MS Project and Primavera.

Results:

Users were able to create their own schedule in Primavera or MS Project and they can import into ERP Schedule management.

After import the schedule, the user can map the schedule activities with ERP cost code, thus being able to track the progress in terms of expenses incurred for the project.

Comparison charts for timelines and costs incurred were also compared and displayed according to each project.

Future Direction:

Resource mapping to be done in third party application also. Now resource mapping can be done only in ERP schedule management.

The standard time line setting which is configured in a third party application must automatically be the same configured in the ERP and vice versa also to be enabled.

Schedule Dashboard

Through this dashboard screen users can view the schedule preparation status and revision history

Schedule Dashboard | Home > PCE - Transactions

Task Update Actual Update Search...

● 47 Tender ● 0 Project ● 30 In Progress ● 17 Completed

Type	Enquiry/Project Code	Tender/Project Name	Schedule Name	Version No.	Status
Tender	BQ-5374	Test Entry -Gopal -Item Rate	BQ-5374 - Test Entry -Gopal -Item Rate - 0 - Model -2	0	Completed
Tender	BQ-5447	Demo - Gopal - Item Rate	BQ-5447 - Demo - Gopal - Item Rate - 0 - Model 2	0	Completed
Tender	BQ-5524	Schedule Tender - Cost Code	BQ-5524 - Schedule Tender - Cost Code - 0 - Planning ...	0	In Progress
Tender	5548	SCH - TED - TENDER	5548 - SCH - TED - TENDER - 0 - Default Proposal Model	0	In Progress
Tender	5551	SCH - TEN - TWO	5551 - SCH - TEN - TWO - 0 - Default Proposal Model	0	Completed
Tender	5551	SCH - TEN - TWO	5551 - SCH - TEN - TWO - 0 - Default Proposal Model	0	In Progress
Tender	5551	SCH - TEN - TWO	5551 - SCH - TEN - TWO - 0 - Default Proposal Model	0	Completed
Tender	5551	SCH - TEN - TWO	5551 - SCH - TEN - TWO - 0 - Default Proposal Model	0	In Progress

10 items per page

Task Creation

Create individual tasks against the project and its projected timeline

BOQ Schedule (VIEW) - APPROVED | Home >

Task Predecessor

Task Type	Task ID	Short Name	Task Ref Code
WBS	1	6836 - Enfield Show	1
Task Name	6836 - Enfield Show room Construction - 0		UNIT
			Day
Duration	Start Date	End Date	Order No
1	18/04/2018	06/01/2019	0

Cost code Mapping

Against individual task which is created in the schedule, the user can map the resources (Cost Code) and Fix the Predecessors and dependent activities

The screenshot displays the 'BOQ Schedule (ADD)' application window. The interface is divided into several sections for configuring a task:

- Task Configuration:** Fields for 'Task Type' (set to 'Activity'), 'Task ID' (109585), 'Short Name', and 'Task Ref Code' (109585).
- Task Name:** A text input field.
- Duration:** A spinner set to '1'.
- Start Date:** A date picker set to '13/08/2019'.
- End Date:** A date picker set to '13/08/2019'.
- Order No.:** A spinner field.
- Task Detail:** A section for 'Responsibility' with a 'Responsibility Type' dropdown and a 'Description' text area.
- Finance Billing:** A dropdown menu.
- Execution Billing:** A dropdown menu.

An 'Activate Windows' watermark is visible in the bottom right corner of the application window.

About OREOPS:

OREOPS helps business & non-IT users digitise business operations in enterprises without writing code. Create light apps, upgrade their legacy systems/ ERPs, databases (API) using drag-drop features.

Using OREOPS platform, it is easy for any business user to develop applications that work on both web and mobile through simple drag and drop of features.

Non-Technical developers can create light applications involving approval workflows and reports that can interact with any data source through its API interface. Once the application is developed, it can be deployed across such as Microsoft's Azure platform or on-premise cloud of their choice.

OREOPS is built cloud first - no need to download any studio/tool for developing apps and development teams can collaborate in real time from anywhere. For more information, visit <https://oreops.com>