



***OGUN***



ORION PRODUCT

***OGUN***

# Manufacturing ERP System

BROUGHT TO YOU BY ORION

# Agenda

- **ORION - Introduction**
- **System Modules**
- **Expectations**

# ORION - Introduction

- ORION is a software solutions company running from 2015 all the way up till this moment.
- We cooperate with companies from all over the globe to find them cutting-edge solutions that fit their business.
- ORION contributes in the software community by many open-source packages available for free.
- Companies, Research teams, Factories and even Software-houses are using our solutions on daily basis.

# System Core Modules

- OGUN takes form from several modules to cover manufacturing organizations business needs.
- OGUN's structure is massive, superbly optimized and also customizable to make it yours.
- The system comes with 12+ modules such as (CRM, Sales, PM, Stock, QA...etc).
- Next we will focus on the core modules of OGUN.
  - Manufacturing
  - Accounting
  - HR and Payroll
  - Asset management.

# System Modules

## Manufacturing

**OGUN** Covers all the necessary features for manufacturing such as:

- Bill Of Materials Management.
- Production planing.
- Taking Work Orders.
- Downtime entry.

# System Modules

## Manufacturing - Bill Of Materials

A Bill of Materials is a list of items and sub-assemblies with quantities required to manufacture an Item.

- A BOM may also contain the manufacturing operations required to manufacture the Item.
- A **Bill of Materials** (BOM) is at the heart of the Manufacturing system and the most important document that will help to create other document types like Work Orders and Job Cards.
- A BOM is the outcome of Items, Operations, Workstations combined.

# System Modules

## Manufacturing - Bill Of Materials

This is an example of how BOM looks like:

- The quantity of Raw Material used.
- Item operation to be fetched in Work Orders later.
- Source Warehouse to track inventory.
- Remaining scrap percentage.

Item	<input checked="" type="checkbox"/> Is Active
<b>Base Bearing Plate</b>	<input checked="" type="checkbox"/> Is Default
Item to be manufactured or repacked	<input type="checkbox"/> Allow Alternative Item
Item Name	<input checked="" type="checkbox"/> Set rate of sub-assembly item based on BOM
<b>Base Bearing Plate</b>	Project
Item UOM	<b>FABRICATION</b>
<b>Nos</b>	Quantity
	<b>1.000</b>
	Quantity of item obtained after manufacturing / repacking from given quantities of raw materials

Items

<input type="checkbox"/>	Item Code	Qty	UOM	Rate	Amount	
<input type="checkbox"/> 1	Bearing Block	1.000	Nos	13.00	13.00	▼
<div>Add Multiple Add Row</div>						



# System Modules

## Manufacturing - Production Plan

- A Production Plan helps in production and material planning for the Items planned for manufacturing.
- These production items can be committed via Sales Order (to Customers) or Material Requests (internally).
- It also helps to plan production against multiple Sales Orders or the Material Requests.
- A Production Plan helps in Material Procurement planning for the raw material item, based on the quantity of finished products to be manufactured.

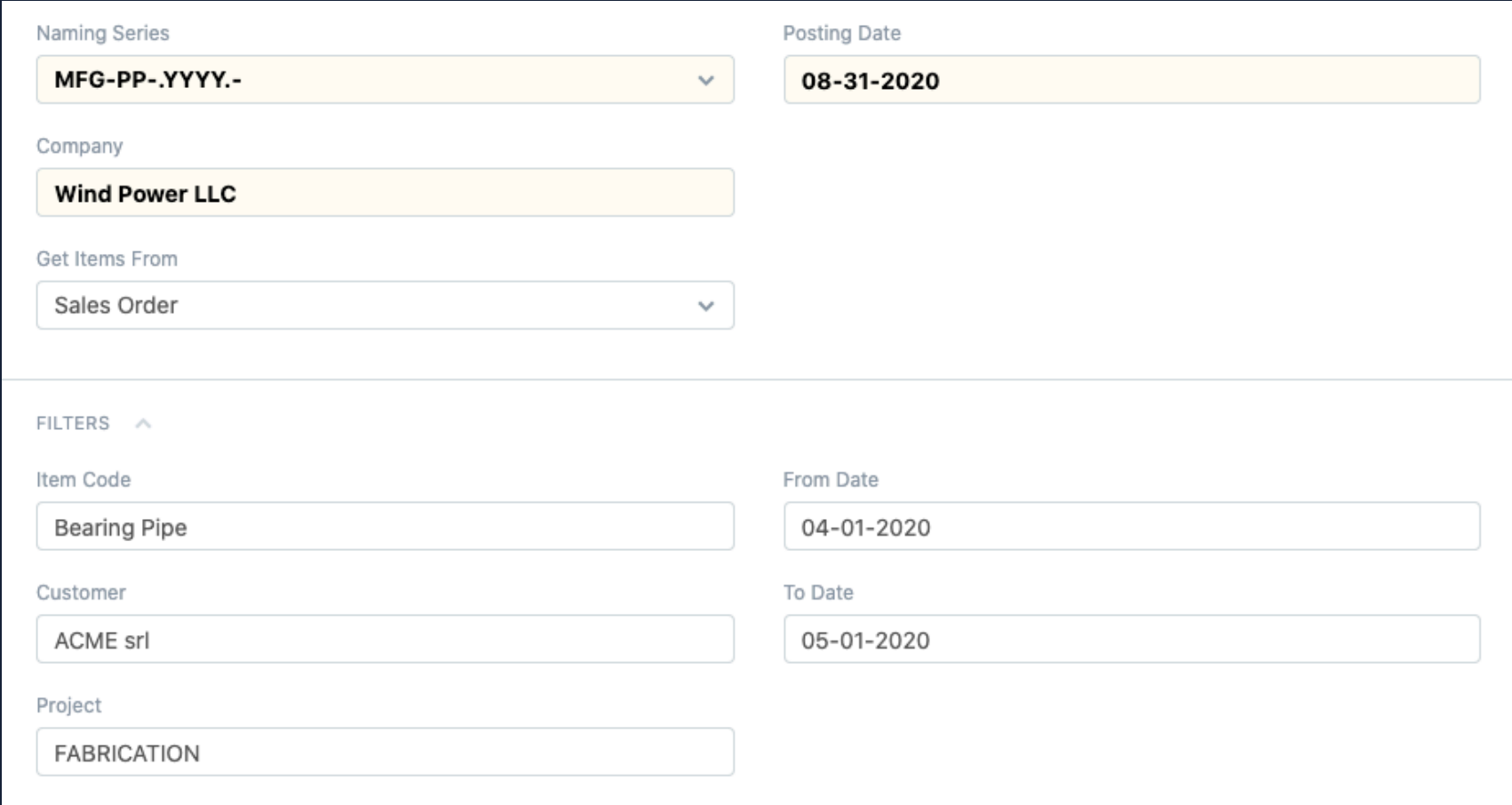
# System Modules

## Manufacturing - Production Plan

As mentioned earlier, a Production Plan can be used for planning the manufacture of Items against Sales Orders or Material Requests.

For Example; this is how Production against Sales order looks like:

- The quantity of Raw Material used.
- Item operation to be fetched in Work Orders later.
- Source Warehouse to track inventory.
- Remaining scrap percentage.



The screenshot shows a web-based form for creating a Production Plan. The form is divided into several sections:

- Naming Series:** A dropdown menu with the value "MFG-PP-.YYYY.-".
- Posting Date:** A text input field containing "08-31-2020".
- Company:** A text input field containing "Wind Power LLC".
- Get Items From:** A dropdown menu with the value "Sales Order".
- FILTERS:** A section with a chevron icon, containing several input fields:
  - Item Code:** A text input field containing "Bearing Pipe".
  - From Date:** A text input field containing "04-01-2020".
  - Customer:** A text input field containing "ACME srl".
  - To Date:** A text input field containing "05-01-2020".
  - Project:** A text input field containing "FABRICATION".

# System Modules

## Manufacturing - Work Orders

Working Orders is your tool to flash the green light for new orders.

- Select the Item to be manufactured.
- Select the Bill Of Material (BOM).
- Set the quantity to manufacture.
- Set the planned start/end date.

Series	Company
PRO-	
Item To Manufacture	Qty To Manufacture
Base Bearing Plate	0.000
Item Name	Sales Order
Base Bearing Plate	SO-00051
BOM No	Project
BOM-Base Bearing Plate-001	FABRICATION

SETTINGS

☐ Allow Alternative Item

☒ Use Multi-Level BOM  
Plan material for sub-assemblies

☐ Skip Material Transfer to WIP Warehouse  
Check if material transfer entry is not required

☒ Update Consumed Material Cost In Project

WAREHOUSES

Source Warehouse

Work In Progress - WPL

This is a location where raw materials are available.

Target Warehouse

Finished Goods - WPL

This is a location where final product stored.

Work-in-Progress Warehouse

Work In Progress - WPL

This is a location where operations are executed.

Scrap Warehouse

Work In Progress - WPL

This is a location where scraped materials are stored.

# System Modules

## Manufacturing - Down time Entry

- Downtime Entry document is used to capture the machine's Downtime in minutes.
- User needs to manually create the downtime record by selecting the proper machine alongwith the machine's downtime.
- Using Downtime entry data operator knows which machine not performing well and needs maintenance.

The screenshot displays a 'Downtime Entry' form with the following fields and values:

- Workstation / Machine:** Drilling Machine 1
- Operator:** EMP/00012
- From Time:** 07-16-2020 20:08:51 (America/New\_York)
- To Time:** 07-12-2020 20:08:51 (America/New\_York)
- Downtime:** -5,760
- In Mins:** (empty)
- Remarks:** (empty text area)

A dropdown menu is open for the 'Downtime' field, showing the following options:

- Excessive machine set up time
- Unplanned machine maintenance
- On-machine press checks
- Machine operator errors
- ✓ Machine malfunction
- Electricity down
- Other

# System Modules

## Accounting

At the end of sales and purchase cycle comes billing and payments, You may have an accountant in your team, or you may be doing accounting yourself, or you may have outsourced your accounting.

In all the cases financial accounting forms the core of any business management system like an ERP.

# System Modules

## Accounting

in **OGUN**; your accounting operations consists of 3 main transactions:

- Sales Invoice
- Purchase Invoice
- Journal Entries



# System Modules

## Accounting - Sales Invoice

- A Sales Invoice is a bill that you send to your customers, against which the customer processes the payment.
- Sales Invoice is an accounting transaction.
- On submission of Sales Invoice, the system updates the receivable and books income against a Customer Account.
- Sales Invoice will also give you the following:
  - Accounting Impact
  - Accounting entries (GL Entry) for a typical double entry “Sale”
  - Automatically Fetching Item Batch Numbers
  - POS Invoices
  - Billing Timesheet with Project

<input type="text" value="Name"/>	<input type="text" value="Title"/>	<input type="text" value="Customer"/>	<input type="text" value="Company"/>	<input type="text"/>
<div>Add Filter</div>				Last Modified On <div></div>
<div><input type="checkbox"/>  Title</div>	Status	Grand Total	20 of 132	
<div><input type="checkbox"/>  ACME srl</div>	<div><div></div> Draft</div>	\$ 2,100.00	SINV-RET-00009	11 h <div></div> 0
<div><input type="checkbox"/>  Asian Fusion</div>	<div><div></div> Draft</div>	\$ 2,028.00	SINV-00123	1 d <div></div> 0
<div><input type="checkbox"/>  ACME srl</div>	<div><div></div> Draft</div>	\$ 2,028.00	SINV-RET-00008	1 d <div></div> 0
<div><input type="checkbox"/>  Adaptas</div>	<div><div></div> Draft</div>	\$ 10.00	SINV-RET-00001	3 d <div></div> 0
<div><input type="checkbox"/>  Dr. Mustermann</div>	<div><div></div> Draft</div>	\$ 14.56	SINV-RET-00007	1 w <div></div> 0
<div><input type="checkbox"/>  \zx\</div>	<div><div></div> Draft</div>	¥ 35,862.43	SINV-RET-00006	1 w <div></div> 0

# System Modules

## Accounting - Purchase Invoice

- A Purchase Invoice is the exact opposite of your Sales Invoice.
- It is the bill that your Supplier sends you for products or services delivered.
- Here you accrue expenses to your Supplier.
- Making a Purchase Invoice is very similar to making a Purchase Order.
- Purchase Invoice will also give you the following:
  - accounting Treatment When Is Paid is checked
  - Is purchase an “Expense” or an “Asset?”
  - Deducting Taxes at Source
  - Hold Payments for a Purchase Invoice/Explicit Hold, Date Span Hold

Series	Date
<b>PINV-</b>	<b>08-31-2020</b>
Supplier	Posting Time
<b>HomeBase</b>	<b>21:20:15</b>
Tax Id	America/New_York
	<input type="checkbox"/> Edit Posting Date and Time
Due Date	<input type="checkbox"/> Is Paid
<b>08-31-2020</b>	<input type="checkbox"/> Is Return (Debit Note)
	<input type="checkbox"/> Apply Tax Withholding Amount
ACCOUNTING DIMENSIONS	
SUPPLIER INVOICE DETAILS	
ADDRESS AND CONTACT	
CURRENCY AND PRICE LIST	



# System Modules

## Accounting - Journal Entry

- All types of accounting entries other than *Sales Invoice* and *Purchase Invoice* are made using the *Journal Entry*.
- A **Journal Entry** is a standard accounting transaction that affects multiple Accounts and the sum of debits is equal to the sum of credits.
- Journal Entry will also give you the following:
  - Common Entries
  - Expenses
  - Bad Debts or Write Offs
  - Deprecation
  - Credit and Debit Notes

Name	Title	Journal Entry	Company
Add Filter		Last Modified On	
<input type="checkbox"/> Title	Status	Reference Number	Total Debit
<input type="checkbox"/> Sales - WPL	Journal Entry	JV-00054	\$ 1,000.00
<input type="checkbox"/> Sales - WPL	Draft	JV-00053	\$ 1,000.00
<input type="checkbox"/> Service - WPL	Journal Entry	JV-00052	\$ 180.00
<input type="checkbox"/> Service - WPL	Journal Entry	JV-00051	\$ 150.00
<input type="checkbox"/> Service - WPL	Journal Entry	JV-00050-1	\$ 180.00

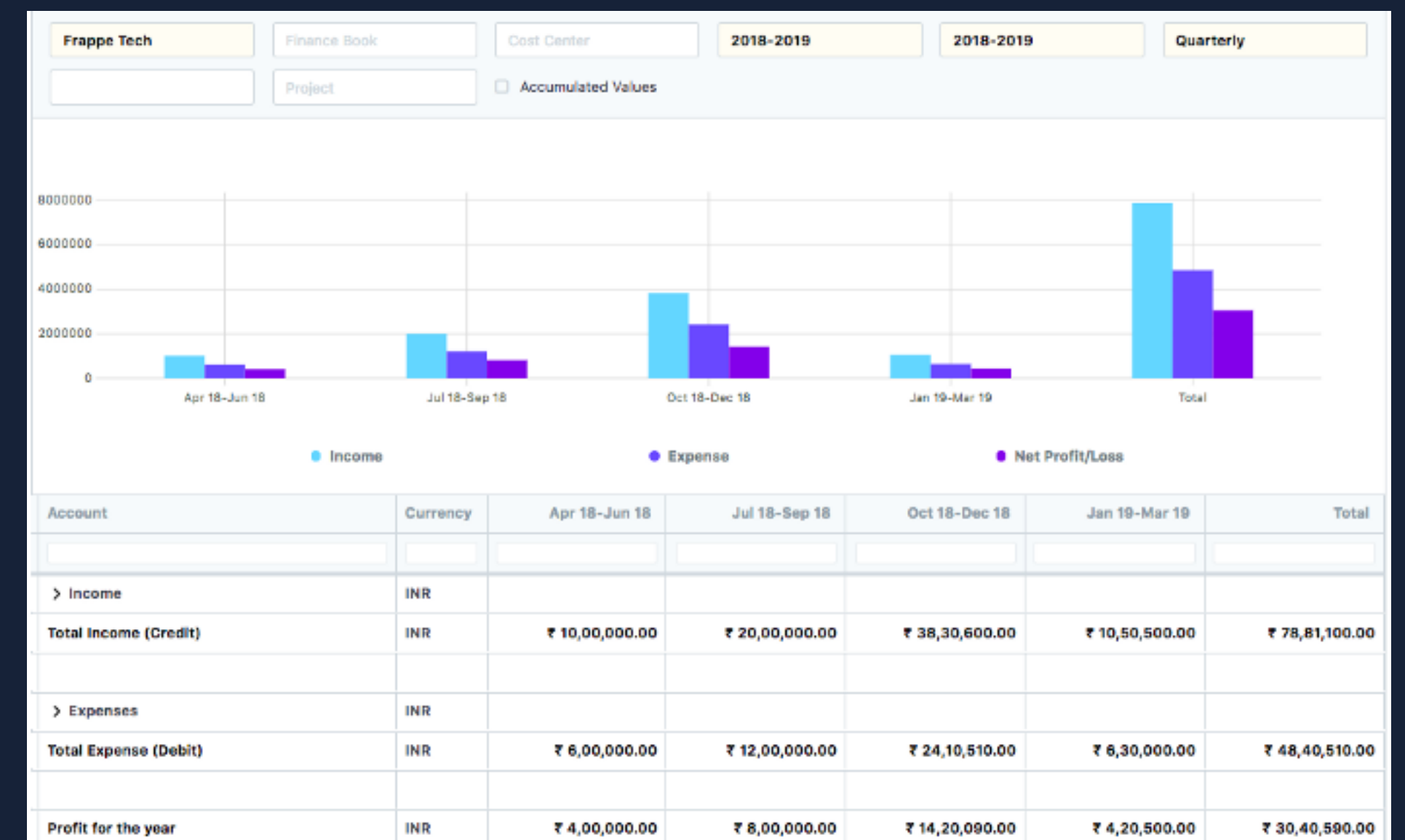
# System Modules

## Accounting - Financial Statements

Now that you have recorded all the information, you can check where your business stands using the financial statements.

### Profit and Loss Statement:

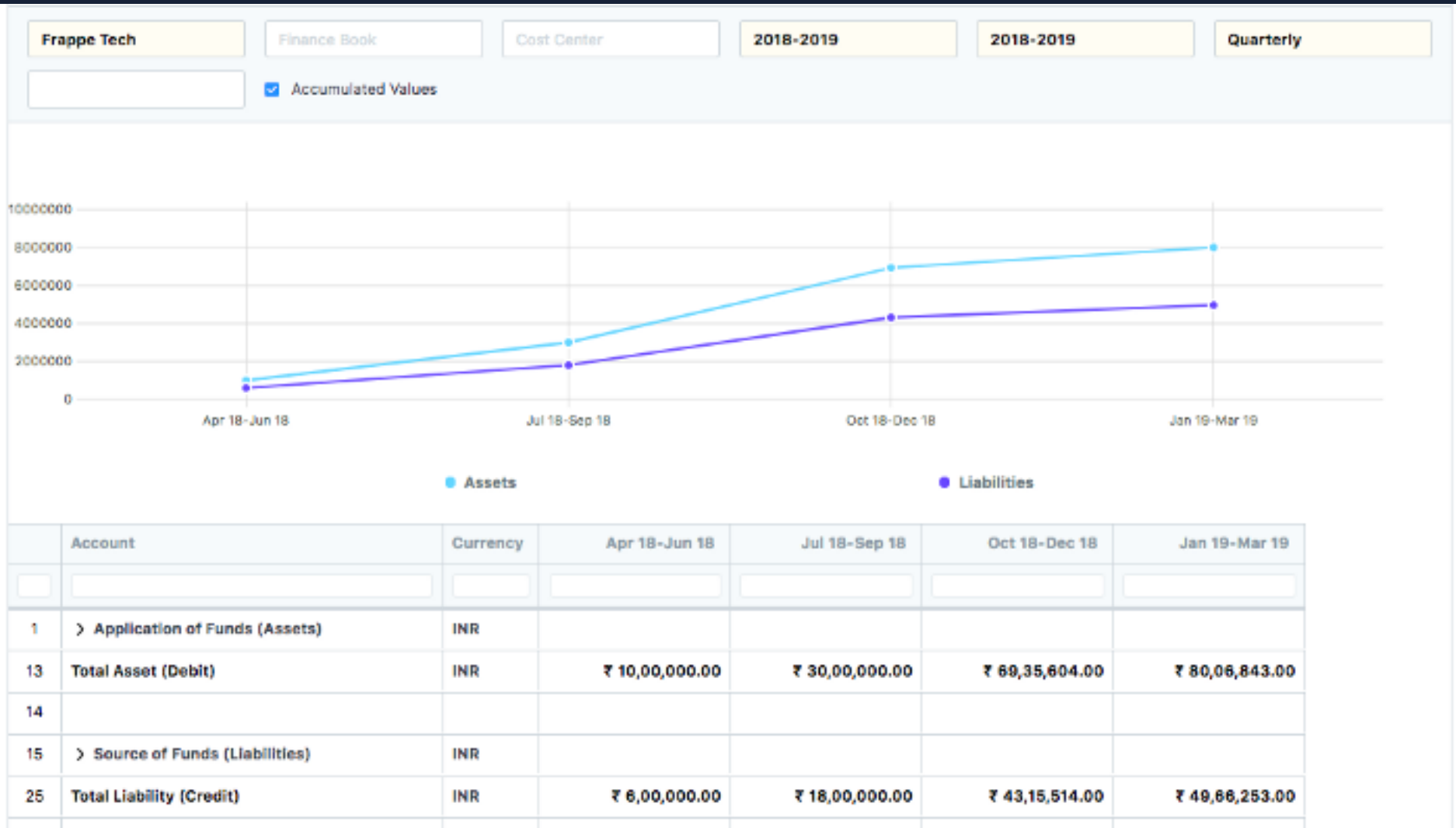
Profit and loss statement reports a company's revenues, expenses, and most of the gains and losses which occurred during the period of time specified in its heading.



# System Modules

## Accounting - Financial Statements

**Balance Sheet:** Balance sheet report shows a company's assets, it's liabilities, and its stockholders' equity.



# System Modules

## Accounting - Financial Statements

**Cash Flow:** The cash flow statement reports a company’s major sources and uses of cash.

Frappe Tech	Finance Book	Cost Center	2018-2019	2018-2019	Quarterly	
<input type="checkbox"/> Accumulated Values						
Account	Currency	Apr 18-Jun 18	Jul 18-Sep 18	Oct 18-Dec 18	Jan 19-Mar 19	Total
▼ Cash Flow from Operations						
Profit for the year	INR	₹ 4,00,000.00	₹ 8,00,000.00	₹ 14,20,090.00	₹ 4,20,500.00	₹ 30,40,590.00
Depreciation	INR			₹ 10.00		₹ 10.00
Net Change in Accounts Receivable	INR			₹ -38,32,800.00	₹ -58,860.00	₹ -38,91,660.00
Net Change in Accounts Payable	INR	₹ 6,00,000.00	₹ 12,00,000.00	₹ 24,11,348.00	₹ 6,00,669.00	₹ 48,12,047.00
Net Change in Inventory	INR			₹ -1,02,600.00	₹ -11,300.00	₹ -1,13,900.00
Net Cash from Operations	INR	₹ 10,00,000.00	₹ 20,00,000.00	₹ -1,03,952.00	₹ 9,51,039.00	₹ 38,47,087.00
▼ Cash Flow from Investing						
Net Change in Fixed Asset	INR			₹ -40.00		₹ -40.00
Net Cash from Investing	INR			₹ -40.00		₹ -40.00
▼ Cash Flow from Financing						
Net Change in Equity	INR					

# System Modules

## HR and Payroll

**Leave and Attendance Tracking, Expense Claims, Salary and Payroll, Recruitment, Performance and more are all handled with OGUN HR and Payroll Module**

### Employee

- Employment Type
- Various employment contracts you have with your employees.
- Department
- You can configure the Departments in your organization and assign them to your employees
- Health Insurance
- You can manage health insurance for your employees within OGUN
- HR Settings
- Global settings for HR related documents and workflow

# System Modules

## HR and Payroll - Recruitment

- **Staffing Plan**
- **OGUN allows you to efficiently plan and budget new hiring for a period.**
- **Job Opening**
  - You can make a record of the open vacancies in your company using Job Opening.
- **Job Applicant**
  - You can maintain a list of People who have applied for a Job Opening.
- **Job Offer**
  - Job Offer is given to selected candidates after Interview & selection which states the terms of their employment.



# System Modules

## HR and Payroll - Leave Management

- **Leave Type**
  - Leave Type refers to types of leave allotted to an employee by a company.
- **Leave Period**
  - You can manage leaves based on a Leave Period, corresponding to a calendar year or the fiscal year.
- **Leave Allocation**
  - Leave Allocation enables you to allot a specific number of leaves to a particular employee.
- **Leave Application**
  - Employees can formally apply for a leave and can track it's approval.
- **Leave Encashment**
  - For Leave Types which are encashable, you can submit Leave Encashment.
- **Holiday List**
  - Holiday List is a list which contains the dates of holidays.
- **Leave Block List**
  - Leave Block List is a list of dates in a year, on which employees can not apply for leave

# System Modules

## HR and Payroll - Attendance

- **Attendance** is the record stating that an Employee has been present on a particular day.
- **Attendance Request**
  - Employees can submit their attendance request for the days when their attendance wasn't marked.
- **Upload Attendance**
  - This tool helps you to upload bulk attendance from a CSV (Excel) file.
- **Auto Attendance**
  - Auto attendance marks the attendance for the Employees assigned to a shift based on records in the 'Employee Checkin' Document



# System Modules

## HR and Payroll - Lifecycle and Salary

- **Appraisal**
  - You can manage appraisals by creating templates for each role with the parameters with appropriate weightage to each parameter.
- **Employee Onboarding**
  - For the process of hiring an employee you can create a set of Tasks at the time of each Employee.
- **Employee Skill Map**
  - Employee Skill Map is a record which helps your organization track your Employee's skill sets and trainings.
- **Employee Promotion**
  - You can manage Employee Promotions using this document.
- **Employee Transfer**
  - You can transfer Employees to different Company or Department by using Employee Transfer.
- **Employee Separation**
  - For the process of relieving an employee you can create a set of Task at the time of each Employee.

# System Modules

## HR and Payroll - Payroll

- **Payroll Entry**
  - Payroll Entry enables bulk processing of payroll for employees company wide or employees of a particular branch, department or designation.
- **Additional Salary**
  - OGUN allows you to add additional Salary Components to Salary Slips while processing the payroll.
- **Employee Benefit Application**
  - Employees are entitled to flexible benefits which they can either receive pro-rata or as a lump-sum amount when they claim the benefit.
- **Employee Tax Exemption Declaration**
  - Employees can declare the contributions they plan to do in the payroll period which will reduce their net taxable income for the entire payroll period.
- **Payroll Period**
  - Payroll Period helps you define Salary Structures and to calculate tax for a specific period based on applicable Income Tax Slab
- **Income Tax Slab**
  - Income Tax Slab helps to define income tax rates based on different taxable income slab
- **Payroll Setup**
  - Salary is a fixed amount of money or compensation paid to an employee by an employer in return for the work performed.
- **Setting Up Tax**
  - In many countries regulations allow exempting a part of some type of spendings by individuals from being added to their annual taxable income

# System Modules

## HR and Payroll - Employee

In **OGUN**, you can manage Employee master.

The Employee master captures demographics, personal and professional details.

You can further use this Employee master for performing various HR functions like:

- Processing Payroll
- Leave Allocation and Application
- Employee Advance and Expense Claim
- Loan Application
- Performance Appraisal

# System Modules

## HR and Payroll - Job Application

- You can maintain a list of People who have applied for a Job Opening.
- You can link Job Application with an Email account.
- Suppose you link Job Application with an email job@example.com OGUN shall create a New Job Applicant against each email received on the mailbox.

# System Modules

## HR and Payroll - Holidays List

- day List is a list which contains the dates of holidays.
- Most organizations have a standard Holiday-List for their employees.
- Some even have different holiday lists based on the different locations or departments.

# System Modules

## HR and Payroll - Loan Type

- This module enables companies which provides loans to define and manage loans. Employees can request loans, which are then reviewed and approved.
- For the approved loans, repayment schedule for the entire loan cycle can be generated and automatic deduction from salary can also be set up.

# System Modules

## Asset Management

**Fixed asset management and tracking with depreciation, asset allocation and movement tracking**

- **Asset**
  - All the transactions related to an Asset like purchasing, sales, depreciation, scrapping, movement or maintenance will be managed against the Asset master.
- **Asset Maintenance**
  - OGUN provides features to track the details of individual maintenance/calibration of various assets.
- **Asset Movement**
  - You can track the location of an asset or to whom it is issued or whenever it is moved from one location to another.

# System Modules

## Asset Management - Asset Transactions

- **Asset Value Adjustment**
  - In case of fixed asset management, sometimes the value of an asset needs some adjustment, this can be managed within OGUN.
- **Purchasing an Asset**
  - You can follow the default purchase cycle after ensuring the the appropriate asset category exists.
- **Selling an Asset**
  - You can sell an asset and even make all the necessary documents lile a Sales Invoice for it.



# System Modules

## Asset Management - Discarding Assets

- **Asset Depreciation**
- The system automatically creates a schedule for depreciation based on depreciation method and other related inputs in the Asset record.
- **Scrapping an Asset**
  - When an asset is no longer usable, you can scrap an asset with the click of a button in the Asset record.

# Expectations

## OGUN grantees you:

- Track all Invoices and Payments.
- Know what quantity of which product is available in stock.
- Identify and track your key performance indicators (KPI's).
- Identify open customer queries.
- Manage payroll.
- Assign tasks and follow up on them.
- Maintain a database of all your customers, suppliers and their contacts.
- Prepare quotes.
- Tracking your budgets and spending
- Determine effective selling price based on the actual raw material, machinery and effort cost.
- Get reminders on maintenance schedules.
- Publish your website



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