Odoo Functional

Course outline

Day 1

Module 1: Introduction to Odoo

Module 1: Introduction to Odoo module for Odoo Functional course provides an overview of the Odoo platform and its features. It covers the basics of Odoo, such as its architecture, modules, and data models. It also introduces the Odoo functional course and explains how to use the Odoo functional course to become an Odoo expert.

Lessons

- Overview and evolution of Odoo
- Creating Odoo Account
- Introduction to Odoo Architecture and framework
- Working with Odoo Apps
- Odoo Views Interface
- Customizing Odoo

After completing this module, students will be able to:

- Understand the basic concepts of Odoo and its architecture.
- Configure and customize Odoo modules to meet specific business needs.
- Utilize Odoo's features to automate business processes.

Module 2: Understanding Odoo Architecture

Module 3 of the Odoo Functional course provides an overview of the Odoo architecture, including the different components of the system, the database structure, and the application server. It also covers the different types of modules available, how to install and configure them, and how to customize them to meet specific business needs. Finally, it explains how to use the Odoo API to integrate with other systems.

Lessons

- Overview of Odoo Architecture
- Exploring the Odoo Framework
- Understanding the Odoo Database Structure
- Working with the Odoo ORM
- Exploring the Odoo Views

- Working with the Odoo Controllers
- Understanding the Odoo Security Model
- Working with the Odoo Reports
- . Understanding the Odoo Web Services

After completing this module, students will be able to:

- Understand the different components of the Odoo architecture and how they interact with each other.
- Identify the different types of modules and how they are used in Odoo.
- Develop an understanding of the different types of data models and how they are used in Odoo.
- Learn how to customize and extend the Odoo architecture to meet specific business needs.

Module 3: Working with Odoo Apps

Module 3 of the Odoo Functional course focuses on working with Odoo Apps. It covers topics such as installing and configuring Odoo Apps, customizing existing Apps, and creating new Apps. It also covers topics such as creating custom views, menus, and reports. This module provides a comprehensive overview of the Odoo App development process and provides the necessary skills to create and customize Odoo Apps.

Lessons

- Introduction to Odoo Apps
- Installing and Configuring Odoo Apps
- Customizing Odoo Apps
- Troubleshooting Odoo Apps
- Integrating Third-Party Apps with Odoo
- Creating Custom Apps in Odoo
- Best Practices for Working with Odoo Apps

After completing this module, students will be able to:

- Understand the different types of Odoo Apps and their purpose.
- Install and configure Odoo Apps.
- Create custom Odoo Apps.
- Troubleshoot and debug Odoo Apps.

Module 4: Customizing Odoo

Module 4 of the Odoo Functional course focuses on customizing Odoo modules. It covers topics such as creating custom views, customizing existing views, and creating custom reports. It also covers how to use the Odoo Studio to customize existing modules and create new ones.

Lessons

- Introduction to Customizing Odoo Modules
- Understanding the Odoo Architecture for customizing existing modules
- Creating new modules

- Working with Views and Menus
- Working with Models and Fields
- Working with Wizards
- Working with Reports
- Working with Security and Access Rights
- Working with Automated Actions
- Working with Web Services
- . Working with Workflows and Business Processes

After completing this module, students will be able to:

- Understand the Odoo architecture and how to customize Odoo modules.
- Develop custom Odoo modules to meet specific business requirements.
- Create custom views, menus, and reports in Odoo.
- Integrate Odoo with external systems and services.

Module 5: Working with Odoo Views

Module 5 of the Odoo Functional course covers the basics of working with Odoo Views. It covers topics such as creating and customizing views, using the view designer, and creating custom views. It also covers advanced topics such as creating dynamic views and using the view inheritance system. This module is designed to give users a comprehensive understanding of how to work with Odoo Views.

Lessons

- Introduction to Odoo Views
- Working with Tree and Form Views
- Working with Kanban and Graph Views
- Working with Calendar and Gantt Views
- Working with Search and Filters
- Working with QWeb Reports
- Working with Action Menus
- . Working with Access Rights

After completing this module, students will be able to:

- Understand the different types of views available in Odoo and how to create them.
- Be able to customize existing views and create new views.
- Know how to use the view designer to create custom views.
- Be able to use the view designer to create complex views with multiple fields and filters.

Module 6: Working with Odoo Security

Module 6 of the Odoo Functional course focuses on Odoo Security. It covers topics such as user access rights and security groups. It also provides an overview of the security features available in

Odoo and how to configure them. This module is designed to help users understand the importance of security in Odoo and how to ensure their data is secure.

Lessons

- Overview of Odoo Security Module
- Understanding Access Rights and Groups
- Setting up User Access Rights
- Setting up Security Groups
- Setting up Security Rules
- Setting up Security Policies
- Best Practices for Odoo Security

After completing this module, students will be able to:

- Understand the different security groups and access rights in Odoo
- Configure user access rights and security groups in Odoo
- Create and manage security rules in Odoo
- Troubleshoot security issues in Odoo

Module 7: Working with Odoo Accounting

Module 7 of the Odoo Functional course covers the basics of working with Odoo Accounting. It covers topics such as setting up accounts, creating invoices, managing taxes, and generating financial reports. It also covers how to use the Odoo Accounting module to manage your business finances.

Lessons

- Overview of Odoo Accounting Module
- Setting up Chart of Accounts
- Configuring Taxes
- Creating and Managing Journals
- Generating and Analyzing Financial Reports
- Managing Bank and Cash Transactions
- Reconciling Bank Statements
- Setting up Multi-Currency Accounting

After completing this module, students will be able to:

- Understand the fundamentals of Odoo Accounting module and its features.
- Set up and configure the Odoo Accounting module.
- Create and manage financial documents such as invoices, payments, and journals.
- Analyze financial data and generate reports.

Day 2

Module 8: Working with Odoo Human Resources

Module 8 of the Odoo Functional course focuses on working with the Odoo Human Resources module. This module covers topics such as setting up employee records, managing payroll, tracking employee attendance, and creating reports. It also covers how to use the Odoo Human Resources module to manage employee benefits, such as vacation and sick leave.

Lessons

- Overview of the Odoo Human Resources Module
- Setting up Employee Records
- Managing Employee Contracts
- Configuring Payroll Rules
- Generating Payroll Reports
- Managing Employee Leaves
- Tracking Employee Attendance
- Setting up Employee Appraisals
- Managing Employee Benefits
- Configuring Employee Recruitment Processes

After completing this module, students will be able to:

- Understand the different features and functionalities of the Odoo Human Resources module.
- Create and manage employee records, including personal information, job details, and payroll information.
- Set up and manage employee benefits, such as vacation and sick leave.
- Generate reports and analyze data related to employee performance and productivity.

Module 9: Working with Odoo Sales and Purchases

Module 9 of the Odoo Functional course covers the basics of working with Odoo Sales and Purchases. It covers topics such as creating sales orders, invoices, and delivery orders, as well as setting up and managing purchase orders. It also covers how to use Odoo's inventory management system to track stock levels and manage stock movements. Finally, it covers how to use Odoo's reporting tools to analyse sales and purchase data.

Lessons

- Overview of the Odoo Sales and Purchases Module

- Setting up Sales and Purchases in Odoo • Creating and Managing Sales Orders Creating and Managing Purchase Orders
  Managing Inventory and Stock Levels
  Configuring Taxes and Payment Terms
- Generating Reports and Analyzing Sales and Purchases Data
- Troubleshooting Common Issues with Sales and Purchases
- Integrating Odoo Sales and Purchases with Other Modules
- . Best Practices for Working with Odoo Sales and Purchases Module

After completing this module, students will be able to:

- Understand the different types of sales and purchase orders in Odoo.
- Create and manage sales and purchase orders in Odoo.
- Configure and customize Odoo sales and purchase orders.
- Analyze sales and purchase data in Odoo.

Module 10: Working with Odoo Manufacturing

Module 10 of the Odoo Functional course covers the basics of working with Odoo Manufacturing. It covers topics such as setting up a manufacturing environment, creating bills of materials, setting up production orders, and managing inventory. It also covers topics such as quality control, cost analysis, and production planning.

Lessons

- Overview of Odoo Manufacturing Module
- Setting up Manufacturing Orders
- Configuring Manufacturing Routes
- Managing Bills of Materials
- Working with Work Orders
- Tracking Production with Quality Control
- Managing Scrap and Waste
- Generating Manufacturing Reports
- Integrating Manufacturing with Other Modules
- . Troubleshooting Manufacturing Issues

After completing this module, students will be able to:

- Understand the fundamentals of Odoo Manufacturing module and its features.
- Configure and customize the Odoo Manufacturing module to meet specific business needs.
- Create and manage Bills of Materials (BOMs) and Routings.
- Utilize the Odoo Manufacturing module to manage production orders, work orders, and quality control.

Module 11: Working with Odoo CRM

Module 13 of the Odoo Functional course covers the basics of working with Odoo CRM. It covers topics such as creating and managing leads, opportunities, and tasks, as well as setting up and managing customer relationships. It also covers how to use the CRM dashboard to track and analyze customer data.

Lessons

- Overview of Odoo CRM Module
- Setting up and Configuring Odoo CRM
- Managing Leads and Opportunities
- Creating and Managing Quotations
- Managing Contacts and Companies
- Automating Tasks and Activities
- Analysing and Reporting with Odoo CRM
- Integrating Odoo CRM with Other Modules
- Best Practices for Using Odoo CRM

After completing this module, students will be able to:

- Understand the features and functionalities of the Odoo CRM module.
- Create and manage customer records, contacts, and leads.
- Set up and configure automated workflows and processes.
- Utilize the reporting and analytics capabilities of the Odoo CRM module.

Day 3

Odoo Development

Course outline

Introduction to Odoo and ORM Framework

- Odoo Installation
- Odoo Introduction & Setup
- Architecture
- MVC Architectural Pattern
- Module Structure

Module Basics

- Manifest of Module

- Structure of Manifest and how to maintain
- Models
- Fields
- Recordsets
- ORM Basics
- Datafiles
- View Structure

Views

- Views
- View Structure
- View Fields and Attributes
- List, Form, Search Views

Action, Menu and Security

- Actions and Menu Items
- Groups
- Module Security
- Access Rights
- Record Rules

Advanced ORM

- Advanced ORM
- Common Methods
- Method Decorators
- Sequences
- Exceptions

Day 4

Advanced Fields

- Relational Fields
- Recordsets
- Computed Fields

- Dependencies and Inverse Computation
- Relation Between Models
- Many2one, One2Many, Many2many Fields
- Related Fields

Advanced Views

- Kanban
- Graph
- Gantt
- Pivot
- Calendar
- Map

Day 5

Inheritance

- Model Inheritance
- Wizards
- View Inheritance
- Transient Model

Buttons, Widgets and Decorations and Chatter

- Buttons
- Widgets
- Decorations
- Chatter

Odoo Filtered vs. mapped Function

- Filtered Function
- Mapped function