



Gujarat Vidyapith
(Accredited with NAAC -A)



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Gujarat Vidyapith Computer Science Alumni Association

Jointly offer

Certificate Course on Odoo Developer

About Course

- Our highly affordable OpenERP/ODOO ([Odoo - Wikipedia](#)) technical training is typically dedicated to IT professionals, developers and integrators who want to grasp a comprehensive knowledge of technical aspects of Open ERP/ODOO. We ensure that our training programs are delivered by industry professionals who possess extensive experience in technical implementation of OpenERP/ODOO and are aware of the professional challenges that one may face in an organizational environment.
- The Course contains video series and material used for demonstrating the course. All code developed during training and material will be provided with the outline. The course will lead you the basic of Odoo programming and the same will be useful for Odoo v12, v13 and v14 the lessons are non-API and API-compliant both, which will be usable for all Odoo versions.
- This training outline is starting from setting up developer environment and installing Odoo to expert level customization on Reports, Wizards and Business process workflows. Developers with basic Python knowledge can take this course and build their career in Odoo development as technical consultant.

Who this course is for:

- ODOO Beginner who wish to customize ODOO Module
- Technical Experts who worked on Open ERP and want to learn ODOO API
- ERP expert who wishes to customize ODOO technical, Business Process, Reports

1.	Objectives: - <ol style="list-style-type: none">1. Learn about Python2. Learn about GitHub3. Getting started with Odoo – Starting Server and Using Odoo4. Learn how to build module in Odoo5. Learn what module includes6. Learn about how to inherit module7. Learn about advance views
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	8. Learn about wizards, reports, dashboards 9. Learn about building website and themes 10. Learn about OWL 11. Learn about API, In app purchase and app store		
2.	Outcome: - After completing this training, developers will be able to <ol style="list-style-type: none"> 1. Develop new Odoo modules independently. 2. Customize the existing Odoo modules 3. Creating a new website and theme 4. Use the OWL framework for the development 5. Integration using API 6. Sale their work on Odoo app store 		
3	Prerequisite <ul style="list-style-type: none"> • Basic level of Python Language Programming 		
4.	Hours: 10 hours/week- [Approx. 12 weeks] Monday to Friday – 7 PM to 9.00 PM Start Date: Start from 16 th Oct 2021		
	Theory: 45 hours	Practical: 55 hours Hands on	Project: 35 hrs Project (20 hrs online + 15 hrs. off line)
5.	Mode of Teaching: - Online	Course Fees – 10000.00 INR	
6.	Evaluation- Based on MCQ, Quiz, Practical, Project (online mode)		
7.	Eligibility: -Students perusing BCA, BE or Any Graduate	<ol style="list-style-type: none"> 1. Practical assignment Evaluation -40% marks Course end Quiz & Project Evaluation -60% 	
8.	Registration validity <ul style="list-style-type: none"> • Maximum 1 academic year (2 semesters) 	<ol style="list-style-type: none"> 1. Min 50 % 2. Max 1 chances will be given to pass the examination. 3. Retest -Fee – 1000.00 	

Syllabus

Week 1	<ul style="list-style-type: none">• Getting started with Linux (Ubuntu)• Basics of Python<ul style="list-style-type: none">◦ Numbers and String◦ Data types◦ Control Structure, Data Structure◦ Methods *arg and **args◦ Object-oriented programming - Class,◦ Module and Package
Week 2	<ul style="list-style-type: none">• Basic of GitHub• Access Odoo source code (Odoo Community version)• Installation of Odoo and its dependency• Start/Stop the Odoo server• General Concepts<ul style="list-style-type: none">◦ Manage Odoo in your own language◦ Add Users and Manage Access Rights◦ Export Data From Odoo◦ How to adapt an import template◦ How to import data into Odoo◦ How to allow users to sign in with their Google account◦ How to use Google Spreadsheet in Addition to my Data?◦ Oauth◦ Activate the Developer (Debug) Mode
Week 3	<ul style="list-style-type: none">• Building a Module<ul style="list-style-type: none">◦ Module structure◦ Object-Relational Mapping◦ Model fields (<i>Special fields, Reserved fields, Special fields</i>)◦ Data files◦ Actions and Menus◦ Basic views (<i>List, Form, Search</i>)
Week 4	<ul style="list-style-type: none">• Relations between models• Inheritance• Computed fields and default values• Onchange• Model constraints
Week 5	<ul style="list-style-type: none">• Advanced Views<ul style="list-style-type: none">◦ Tree views

	<ul style="list-style-type: none"> ◦ Calendars ◦ Search views ◦ Gantt ◦ Graph views ◦ Kanban • Security <ul style="list-style-type: none"> ◦ Group-based access control mechanisms ◦ Access rights ◦ Record rules
Week 6	<ul style="list-style-type: none"> • Wizards • Internationalization
Week 7	<ul style="list-style-type: none"> • Reporting • Dashboards • Allocation of Project Definition
Week 8 & 9	<ul style="list-style-type: none"> • Building a website • Templates • Website support (built-in website application) • URLs and routing • Editable Field in website • Administration and ERP integration
Week 10 & 11	<ul style="list-style-type: none"> • Building Website Theme • From common CMS to Odoo • Odoo default theme structure • Odoo's XML files, an overview • Update your theme • Create a theme module • Structure of an Odoo page <ul style="list-style-type: none"> ◦ Extend the default Header and Footer • Create a specific page layout • Add Styles • Create Snippets • Snippet options • Editing Reference Guide • SEO best practice
Week 12	<ul style="list-style-type: none"> • Learning Owl
Week 13	<ul style="list-style-type: none"> • External API (Web Services) <ul style="list-style-type: none"> ◦ XML-RPC Library

	◦ JSON-RPC Library
Week 14	• Odoo Apps Store
Week 15	• In-App Purchase

Notes:

- Project Allocation will be done at the end of week-7.
- Project will be based on the real-life problems, and should be business application with website integration.

Registration (last Date -13th Oct 2021): -

Payment (10,000.00 INR -Non Refundable) :- <https://gujaratvidyapith.org/cprograms/odoo-course/>

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