

GUJARAT TECHNOLOGICAL UNIVERSITY

Master of Computer Applications (Integrated) Year IV – (Semester-VII) (w.e.f. July 2016) Indicative Practical List

Subject Name: Enterprise Resource Planning

Subject Code: 4470632

a) General Guidelines for ERP Practical using Odoo

- The project should be free from plagiarism of any kind.
- It is mandatory that the project should be developed using Odoo Linux is the preferred platform
- Project must have proper documentation
- This may not be a live project
- Project Must contain three Tasks (Team Size 3)
 - i. Study of any one Core Module (Accounts, Purchase, Sales, Stock)
 - ii. Customization : Minor and Major (Add new UI/ form or functionality)
 - iii. Report : Customization in existing report and addition new report

b) Knowledge about the following is expected to be demonstrated.

- Proper Functional knowledge about the purpose of identified Module
- List of interconnected modules with identified module
- Module flow-control, functions, Security and Components of identified module
- Gap Analysis Process and customization process in ERP
- Proper understanding about database and connections
- Proper understanding about UI and Report creation

c) References

1) References to odoo University: <https://www.odoo.com>

2) HolgerBrunn, Alexandre Fayolle, Daniel Reis, ,Odoo Development Cookbook, Packt Publishing

d) Suggested Upgrade Points from core modules for Task II and III

Core Module Name	Sub Task Description
ACCOUNT	Invoice Authorization
	Advance payment reminder with Email and SMS
	Advance Asset Management
	Payment Authorization
	Credit Limit Invoicing for Customer

	Invoice Write off Authorization
PURCHASE	Purchase Authorization
	Request for Quotation with Delivery Condition
	Purchase Limit for Supplier
	Purchase Priority
SALE	Sales Verification
	Conditional Order Fulfillment
	Drop Shipping
	Order Feedback Survey
	Order Limit for Customer
	Sale Discount Authorization
	Actions on Sale Order
STOCK	Stock Delivery Verification
	Stock Inward Verification
	Stock Update to Vendors
	Stock Scrap Authorization
	Stock Valuation Reporting

PS: Above is a suggestive list so student can identify any task in which they can execute Task b and c.

e) Project Document Content

The project has to be well-documented in the form of a Project Report (at least 50 pages) w comprising of as below:

Task I; Functional Study

- 1) Module Overview (Maximum 400 words).
What you have understood from the module
- 2) Master Configuration
 - a) Base / Existing Configuration ; Setup, lookup used for module functionality
 - b) Your configuration or modification identified for study
- 3) Security
 - A) Existing Security of Module
 - B) Modified Security by you
- 4) Transactions
List of Transaction / Reports with screen shots / sample

Task II & II(Separate for Task II and III)

- a) Change Description (Max 400 Words)
- b) Gap Analysis
- c) Implementation

- Setup or security changes
- Identified Components for change
- Implementation steps
- Transactional or Output after change implementation

f) Evaluation Parameters :

- Evaluation of the projects would be done considering the framework available at the Institute. The main parameter of assessment would be the ability of the students to understand Odoo ERP system, Module Functionality, Customization process and code. Though the project and domain specific knowledge would be assessed for, the evaluation would predominantly depend on the students' ability to explain, modify or revise of code.
- Coding standards should have been implemented.
- Though the project would be evaluated for the entire team, the examiner should emphasize on the contribution of each team member in the project
- Marks Breakup

Project	10
Performance	10
VIVA	10