



**Syllabus for First Year M.Sc. (CA&IT)  
Semester-II**

**[Five Years' (Full-time) M.Sc. (CA&IT) Integrated Degree Course]**

**Offered in**

**K. S. School of Business Management and  
Information Technology**

**Gujarat University**

**2023–2024**

**As per NEP2020 CURRICULUM AND CREDIT FRAMEWORK  
FOR UNDERGRADUATE PROGRAMMES, UGC**

**&**

**Resolution No. KCG/admin/2023-24/0607/kh.1**

**of**

**Education Department, Govt. of Gujarat**

# **Semester-II**

**(B.Sc.(CA&IT)Programme)**

**MINOR**

**Gujarat University**  
**K. S. School of Business Management and Information Technology**  
**[Five Years' (Full – Time) M.Sc. (CA&IT) Integrated Degree Course]**  
**First Year M.Sc. (CA&IT) (Semester - II)**

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**Course Name: Enterprise Resource Planning -Theory**

**Course Code: DSC-M- IMSCIT-123T**

**Course Credit: 2**

**Course Outcomes:**

After learning the course, the students should be able:

- Establish the role of information systems in organizations and how they relate to organizational objectives and organization structure
- Provide knowledge of basic techniques and elementary skills in representing system structure
- Introduce various types of applications which are part of an information system

**Contents:**

| Unit No. | Course Content   | Hours | Credits |
|----------|--|-------|---------|
| 1        | <p><b>Introduction to Systems</b><br/>                     The Organizational Structure, Business Process, Business Considerations<br/>                     – Accuracy, Queues, Security, Priorities, Audit-Trails, Report Frequency, Exception Reporting, Documentation, User Acceptance, EOD/EOM/EOY Procedures, ERP Systems, Components of an ERP System, Data in ERP Systems, Reporting in ERP, Case Study of an ERP</p>   | 15    | 1       |
| 2        | <p><b>Modules of ERP System</b><br/>                     Accounting Systems, Procurement Process &amp; Systems, Fulfilment Process, Production Process, Inventory &amp; Warehouse Management Process, Material Planning Process, Process Integration, Systems Design: Study of Customer Order Processing &amp; Invoicing System, Inventory Management Systems – Stock Replenishment &amp; Inventory Management, Accounts Payable System, Accounts Receivable System, Financial Accounting System, Payroll System, System Maintenance</p> | 15    | 1       |

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**Reference Books:**

1. “Integrated Business Processes with ERP Systems”, \  
By Magal S., Word J., John Wiley & Sons Inc.
2. “Business Systems for Microcomputers – Concept, Design & Implementation”,  
By Haueisen W., Camp J., Prentice Hall India Pvt. Ltd.
3. “Information Systems for Modern Management”,  
By Murdick R., Prentice Hall India Pvt. Ltd.
4. “Management Information Systems – Text & Cases”,  
Jawadekar W., McGraw Hill

**Accomplishments of the student after completing the Course:**

After completion of this course Student would be able to

- Gain awareness about various components of ERP Systems
- Build solutions for Management Information Systems, Decision Support Systems

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**Course Name: Enterprise Resource Planning -Practical**

**Course Code: DSC-M- IMSCIT-123P**

**Course Credit: 2**

**Course Outcomes:**

After learning the course, the students should be able:

- Establish the role of information systems in organizations and how they relate to organizational objectives and organization structure
- Provide knowledge of basic techniques and elementary skills in representing system structure
- Introduce various types of applications which are part of an information system

**Contents:**

| <b>Unit No.</b> | <b>Course Content</b>  | <b>Hours</b> | <b>Credits</b> |
|-----------------|--|--------------|----------------|
| <b>1</b>        | <b>Basics of ERP System</b><br>Overview of Open Source ERP, Installation, Interface, Creating a database, Various functionalities of ERP, Overview of workflows, Use cases of workflow, Basic Administration, Customizing ERP Systems for Businesses | <b>30</b>    | <b>1</b>       |
| <b>2</b>        | <b>Modules of ERP System</b><br>Human Resource Management, Customer Relationship Management, Sales & Invoicing, Accounting & Finance Management, Purchase Management, Inventory Management, Project Management                                       | <b>30</b>    | <b>1</b>       |

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**Reference Books:**

1. “Learn Odoo”,  
By Moss Greg, Packt Publication
2. “Odoo ERP”, Cybrosys Technologies
3. (Online: <https://www.cybrosys.com/odoo/odoo-books/odoo-book-v16/>)
4. “Integrated Business Processes with ERP Systems”,  
By Magal S., Word J., John Wiley & Sons Inc.
5. “Business Systems for Microcomputers – Concept, Design & Implementation”,  
By Haueisen W., Camp J., Prentice Hall India Pvt. Ltd.

**Accomplishments of the student after completing the Course:**

Upon completing the course, Students will able to:

- Gain awareness about various components of ERP Systems
- Build solutions for Management Information Systems, Decision Support Systems
- Implement Odoo ERP software for any organization