

## **CN5012 MANAGEMENT INFORMATION SYSTEMS**

### DETAILED SYLLABUS

#### **OBJECTIVES**

To study the concepts of information systems and their applications, system development and information systems, implementation and control, and system audit.

#### **UNIT I INTRODUCTION**

Information Systems – Establishing the Framework – Business Models – Information System Architecture – Evolution of Information Systems.

#### **UNIT II SYSTEM DEVELOPMENT**

Modern Information System – System Development Life Cycle – Structured Methodologies – Designing Computer Based Methods, Procedures, Control – Designing Structured Programs.

#### **UNIT III INFORMATION SYSTEMS**

Integrated Construction Management Information System – Project Management Information System – Functional Areas, Finance, Marketing, Production, Personnel – Levels, DSS, EIS, and ES – Comparison, Concepts and Knowledge Representation – Managing International Information System.

#### **UNIT IV IMPLEMENTATION AND CONTROL**

Control – Testing Security – Coding Techniques – Defection of Error – Validating – Cost Benefit Analysis – Assessing the value and risk of Information System.

#### **UNIT V SYSTEM AUDIT**

Software Engineering qualities – Design, Production, Service, Software specification, Software Metrics, Software quality assurance – Systems Methodology – Objectives – Time and Logic, Knowledge and Human Dimension – Software life cycle models – Verification and Validation.

#### **REFERENCES**

1. Card and Glass, Measuring Software Design Quality, Prentice Hall, 1990.
2. Gordon B. Davis, Management Information System: Conceptual Foundations, Structure and Development, McGraw Hill, 1974.

## Diploma, Anna University-UG, PG., HSC & SSLC

*Notes*  
*Syllabus*  
*Question Papers*  
*Results and Many more...*

Available @

[www.AllAbtEngg.com](http://www.AllAbtEngg.com)

3. Joyce J Elam, Case series for Management Information Systems, Simon and Schuster, Custom Publishing, 1996.
4. Kenneth C Laudon and Jane Price Laudon, Management Information Systems Organisation and Technology, Prentice Hall, 1996.
5. Michael W. Evans and John J Marciniah, Software Quality assurance and Management, John Wiley and Sons, 1987.
6. Ralph H Sprague and Huge J Watson, Decision Support for Managers, Prentice Hall, 1996.