Course Name: **Information Systems**		Course Code: 17ES120
Semester I / Year I	**L-T-P : 2-0-2**	**Credits : 3**

Course Objective:

Students would comprehend the role and importance of Information and Information Systems in the organizations, and will learn to design and use the basic tools in MS office for data management and analysis in organizations.

Course Outcomes:

1. Understand the key terms, definitions, and concepts of Information Systems
2. Analyze the role of IS in organizations.
3. Evaluate the IS structures and types.
4. Design the IS tools using MS Excel and Access for basic data management in organizations.

Modern Organizations and Web based Environments: Business Process and Business Process Management. Information Systems (IS) ; Concept, Definition, components. Excel Overview and basics of a tracker. Formatting in excel: navigation in sheets, Sort, filter, view, hide, text functions, Importance of IS in organizations. IS architecture, Managing Information resources . Data management with excel: Data validation, pivots, conditional formatting, fundamental functions and formulas, mail merge, survey techniques using Google Docs and surveymonkey.com.. Data and Knowledge management: Data types, sources, data warehousing, data governance and knowledge management. MS-Access basics, data export and import. creating tables and forms, primary key.Types of IS: Decision Making concept and process, MIS, DSS & ES, Functional Information Systems, Organizational Information Systems. Competitive advantage with IS. Managerial support systems. MS-Access functions, Linking tables, data normalization. Introduction to SPSS.

Text Books:

1. Introduction to Information Systems, R. Kelly Rainer Jr. and Casey G. Cegielski, John Wiley and Sons, Inc. 2011
2. An Introduction to Computers with MS Office 2000, Alexis Leon & Matthews Leon,T ata McGraw Hill, 2005.

Reference Books:

1. Database Management System : Rajesh Narang, PHI, 2006.
2. Laudon & Laudon , Management Information Systems, Tata Mc-Graw Hill, New Delhi.
3. Gordon, Davis ,Management Information System-, Tata Mc Graw Hill, New Delhi, 2007.