

## Information Systems Analysis & Design

Code: MCA202

**CREDITS: 4**

Overview of System analysis and design: Development life cycle, Requirements determination, Logical design, Physical design, Program design, Risk and feasibility analysis, SRS, Prototyping.

Information requirement analysis: Process modelling with physical and logical data flow diagrams, Data modelling with entity relationship diagrams, Addition modelling method, Developing proposal: feasibility studies, cost benefit analysis.

System design: Process descriptions, Input/output controls, object modelling, Database design, and User Interface design, Documentation

Introduction to - Project management, scheduling, measurement of quality and productivity, ISO and capability maturity models, Strategic planning, system audit.

Quality assurance: reviews, walkthroughs, and inspection.