

**BACHELOR OF COMMERCE - SECOND SEMESTER**  
**SYSTEMS ANALYSIS AND DESIGN**

Code: SC2.6

Contact Hours: 56

Credits: 4

Evaluation: Continuous Internal Assessment – **30 Marks**  
Semester-End Examination – **70 Marks**

Univ Code:

Work load: **4 hours per week**

**Objectives:**

**Pedagogy:**

**Module1: Information and Management:** Data, Information, types of information, management structure, management and information requirements, qualities of information, example of information systems.

**Module2: Information Systems Analysis:** Role, Task and attributes of a System Analyst, tools used by the system analyst, information gathering, system requirement specification,

**Module 3: Feasibility and Data Flow:** feasibility analysis, Data flow diagrams, process specifications and decision tables, logical database design, data input methods, designing output.

**Module 4: Implementation of Information System:** Implementing most changeable systems, implementation tasks, implementation strategies, systems testing, quality control, user training.

**Module 5: Tally:** Introduction, system overview, foundation, start-up, accounts information, voucher, balance sheet, ratio analysis, display, printing and reports.

**Recommended Books**

1. Rajaraman V, Analysis and Design of Information System, PHI (2000).
2. Elias M. Award, Systems Analysis and Design, 2<sup>nd</sup> Edition, Galgotia Publications. .
3. Ashok Kumar Sharma, Analysis, Design and Implementation of Information Systems, Vikas Publishing House (2000).
4. Hawroyszkiwycz I.T., Introduction to systems Analysis and Design, 3<sup>rd</sup> edition, PHI (1997).
5. K.K Nandhani, Accounting with Tally, BPB Publications 1<sup>st</sup> Edition. (1999)
6. K.K Nandhani, Implementing Tally, BPB Publications 1<sup>st</sup> Edition. (2000).

**Practicals:**

Practical: 2 hours. /Week

I.A Max. Marks: 20

Practical assignments on Tally involving Accounts information, voucher preparation, creation of balance sheet, ratio analysis, report generation.

Note: The internal assessment marks (Maximum marks 20) shall be awarded by the concerned course teacher based on the two practical tests of 2 hours duration each conducted by him/her during the semester.