

Branch Name:	BCA (Bachelor of Computer Applications)
Program Code:	CS101
Course Title :	System Development Project Phase-I
Course Code :	2CS1010506
Pre-requisite Course:	Basic Knowledge of system analysis, design and coding, RDBMS

Rationale: The main motive behind this subject is to give Project documentation skill and Project analysis skill for better practical exposure for next semester Project development. In this semester students will learn project documentation and analysis skill like , type of project , project title , technical level of project , existing system study , propose system study , modules of project ... etc.

The objectives are:

- To learn about Project Types.
- To learn about Project Technology importance.
- To understand Project existing and propose system study.
- To understand Project feasibility study for project.
- To understand Project Designing with various project designing tools like DFD , ERD , in some special case student can perform UML , Activity diagram , Use-Case diagram also.

Teaching Scheme (Hours per week)				Evaluation Scheme(Marks)								
Lecture	Tutorial	Practical	Credit	Theory				Practical				Total
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	
-	-	4	2	-	-	-	--	12	30	8	20	50

Mini project documentation format:

Acknowledgement

Preface

Index:

1. Project Definition
2. Objective and scope of the project
3. Existing system
 - a. Introduction
 - b. Problem analysis
 - i. Study operating problems

- ii. Study informational problems
 - iii. Feasibility study (Technical, Operational, Economical, Schedule)
- c. Present system model (Use any design tools / technique)
- d. What's new in the proposed system (if applicable?)
- 4. Proposed system
 - a. Functional requirements
 - b. Non-functional requirements
 - c. Project plan
- 5. Software requirement analysis and specification
 - a. General Hardware and Software description
- 6. System design
 - a. Proposed system model (Use any design tools / technique)

Learning outcomes:

The students will be able to have hands-on exercises to carry out the Project Phase - II work using various platforms and project tools which will provide practical experience.

Course Learning Outcomes (CLO.):

At the end of this course, the student would be able

CLO.1 To go through rich experience in developing large projects. Such an experience will include encountering various technical issues, finding sources to resolve the issues and finally finding the solution of all these issues satisfactorily.

CLO.2 To think analytically, analyzing and synthesizing system requirements for getting a good solution of project complexity.

CLO.4 To develop ability to code and document well.

CLO.5 To work with teammates and generating substantial output of the efforts.

Mapping of CLO , PO And PSO

	PO.1	PO.2	PO.3	PO.4	PO.5	PO.6	PO.7	PO.8	PO.9	PO.10	PO.11	PO.12	PSO.1	PSO.2	PSO.3
CLO.1	L		H	M	M		L	L		M	L	L	H	M	M
CLO.2		L			L			M						M	
CLO.3	M	L	M		L	M	M		M			M	M		H
CLO.4				H		M		L		L				M	
CLO.5		L		L	L		L		M		M		H	H	