

Branch Name:	BCA (Bachelor of Computer Applications)
Program Code:	CS101
Course Title :	System Development Project Phase-II
Course Code :	2CS1010605
Pre-requisite Course:	Basic Knowledge of system analysis, design and coding, RDBMS

Rationale: The main objective behind this subject is to give practical exposure of the topics learnt in parts in various subjects of BCA course. It is an important part to get practical exposure by implementing the system in the field of choice.

The objectives are:

- Implement what is learnt during course
- Get real-life experience by working in real practical world by project development.
- Enhance the ability to plan, analyze, design and development of the real life project.
- Understand the problems faced during project implementation and technical development.
- Enhance the problem solving ability by solving the real-time problems and create project for institute, society and IT-Industry.
- Learn team work and appreciate role of each of the team members.

Teaching and Evaluation Scheme: The objective of evaluation is not only to measure the performance of students, but also to motivate them for better performance. Students are evaluated on the basis of internal examinations consisting of 100 marks (continuous evaluation based on project work done throughout the semester: Internal Term Work which consist of 100 marks) and External marks which consist of 150 for viva-voice presentation on Project Work in University Examination.

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	
2	-	16	10	-	-	-	--	60	150	40	100	250

INDEX – PHASE II •

- TITLE OF PROJECT
- GROUP DETAILS
- 1. SYSTEM ANALYSIS & DESIGN**
 - 1.1 DFDs (Context level , 1st level)
 - 1.2 2nd level / UML / CLASS diagram
 - 1.3 E-R Diagram (With Table Relationship and Table Types)

1.4 Data Dictionary (With all detail entity , attributes , constraints (PK - FK) and remarks

Note: In case of any changes in User requirements, updated DFD's (Context level, 1st level), ERD and DD to be presented in the Final Report.

2. SYSTEM IMPLEMENTATION AS DESIGN

2.1 SYSTEM DESIGNS OF AUTHENTICATION : SIGNUP & LOGIN FORM (SCREENS)

2.2 SIGNUP & LOGIN FORM

2.3 SYSTEM ADMINISTRATION DESIGNS : TRANSACTIONS , SEARCHING

2.4 SYSTEM REPORTS AS ADMIN LEVEL - CUSTOMER LEVEL - OTHER REPORT AS PER NEED

2.5 SYSTEM VALIDATIONS: VALIDATIONS FOR VARIOUS LEVEL (ADMIN , MANAGER , CLIENTS ...ETC)

2.6 MISC. FEATURES LIKE CAPTCHA SENDING SMS, MAILING, BILLING, OTP, ETC IN PROJECT

NOTE: The Final Project Report should comprise of BCA – 506 (PHASE I) & BCA 605 (PHASE II). (Both inclusive).

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.

CLO.6 To prepare the students for analyzing and programming for industrial problem and large projects work in future.

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	
CLO.6	M		M			L		M				M	H	M	L