SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103
College : (04179) 220553
Fax : (04179) 226423

Ready for Everv Good Work

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

B. Sc. Computer Science

Sem	Part	Subcode	Subtitle	Hours	Credits
1	I	LT114	Tamil – I	5	3
	II	LE115AT	English –I	5	2
	III	AM114C	Allied Mathematics -I	6	5
	III	CS120	Problem Solving Techniques	3	3
	III	CS121	Web Development Using HTML	4	4
	IV	VE105A/B	Christian Religion –I / Value Education –I	2	1
	IV	SK104	Communication Skills	2	1
	IV	CE103	Communicative English –I	-	1
	II	LE115AP	English Lab –I	-	1
	III	PCS108	Practical -I: Web Development Using HTML	3	2
2	I	LT214	Tamil –II	5	3
	II	LE215AT	English –II	5	2
	III	AM214C	Allied Mathematics –II	6	5
	III	CS221	Digital Computer Fundamentals	3	3
	III	CS222	Programming Using C	4	4
	IV	VE205A/B	Christian Religion –II / Value Education –II	2	1
	IV	SK204	Leadership Skills	2	1
	IV	CE203	Communicative English –II	-	1
	II	LE215AP	English Lab –II	-	1
	III	PCS212	Practical -II: Programming Using C	3	2

3	I	LT312	Tamil –III	5	3
	II	LE309T	English –III	5	2
	III	AP309B	Allied Physics for Computer Science I	4	3
	III	CS322	Computer Organization and Architecture	3	3
	III	CS323	Data Structures and Algorithms Using C	4	4
	IV	VE306	Human Rights	2	1
	IV	SK304	Technical Skills	2	1
	III	PCS309	Practical -III: Data Structures and Algorithms Using C	3	2
	II	LE309P	English Lab –III	-	1

Sem	Part	Subcode	Subtitle	Hours	Credits
4	I	LT411P / SS	Tamil -IV: Poem / Short Story	5	3
	II	LE409T	English –IV	5	2
	III	AP409B	Allied Physics for Computer Science II	4	3
	III	CS422	Software Engineering	3	3
	III	CS423	Relational Database Management Systems	4	4
	IV	VE406	Environmental Science	2	1
	IV	SK404	Employability Skills	2	1
	III	PAP409B	Allied Physics Practical's for Computer Science	2	1
	III	PCS412	Practical -IV: Relational Database Management Systems	3	2
	II	LE409P	English Lab –IV	-	1
	V	CO-SHE	Co-Curricular – Groups and Movements	-	2
	V	CO-DED	Co-Curricular – Outreach	-	2
5	III	CS540	Programming Using Java	4	4
	III	CS541	Web Development Using XML	4	4
	III	CS542	Programming Using PHP	3	3
	III	CS4543	Operating Systems	4	4
	III	CS544 A / B / C /D	Elective I: Computer Graphics / Data Mining And Warehousing / Decision Support System / Software Testing And Quality Assurance	4	4
	III	PCS515	Practical -V: Programming Using Java	3	2
	III	PCS516	Practical -VI: Web Development Using XML	3	2
	III	PCS517	Practical -VII: Programming Using PHP	3	2
	III		Non-Major Elective -I	2	1
6	III	CS633	Mobile Applications Development	4	4
	III	CS634	Linux and Shell Programming	4	4
	III	CS635	Programming Using Python	3	4
	III	CS636	Microprocessor Using 8086/88	4	4
	III	CS637 A	Elective II: Computer Networks / Software Project Management / Security Systems /	4	4

		/ B / C /D	Cognitive Computing		
III	PCS627		Practical - VIII: Mobile Applications Development	3	2
III	PCS628		Practical -IX: Programming Using Python	3	2
III	PCS629		Practical -X: Linux and Shell Programming/Microprocessor Using 8086/88	3	2
III	PCS630J		Project Work	-	4
III			Non-Major Elective II	2	1

I.REGULATIONS FOR PROJECT WORK COURSE

Learning Objective

The students are every given adequate exposure and opportunity to develop a full-pledged software according to his taste and ability.

Guidelines

1) A group of students can choose a problem related to application area or system software and solve it by presenting appropriate computer programs using any programming language.

2) During the course of V Semester, the student groups will be guided to select a topic for the project work that is scheduled for the VI semester.

3) A faculty member as a guide will be available to 2 groups of students. Maximum of 5 students can be placed in a group.

4) Students will be allotted a lot by the guide. Among the allotted students the group can be formed by the faculty.

5) Guidance will be given to plan the entire project and do system study. Actual coding and debugging using the machine must be done by the student's groups.

6) Evaluation of the project and allotting of marks and will be done under the components CA and semester.

7) Passing minimum is 40%. A failed candidate has to improve his project work and submit it.

8) Methodology of project work is to be taught in the V and the VI Semester.

9) Each student can submit a separate report for the evaluation purpose.

10) Two copies of the project report are to be prepared.

   a. One will be kept by the candidate

   b.The other copy is meant for the Library

11) Evaluation

CA Components			50 Marks
1.	First Review	10 Marks	
2.	Second Review	10 Marks	
3.	Implementation and Testing	30 Marks	
Total		**50 Marks**	
Semester Examinations			**50 Marks**
1.	Evaluation of Project Work Document	40 Marks	
2.	Viva – Voce	10 Marks	

	Total	50 Marks	
Total			100 Marks

12) Project Report Contents

Requirement Analysis	10 Marks
Design	10 Marks
Implementation	10 Marks
Testing and Documentation	10 Marks
Total	**40 Marks**

Internal examiner and the external examiner will evaluate the project report separately and average will be calculated as the final semester mark of the student.

13) Project Plan

Project area	Work product
Project Management	Project Proposal
	Project Plan
	Project Review Record -1
Requirement analysis	System Study (SSD)
	Vision Document (VSD)
	Use Case Specification
	Project Review Record – 2
Design	Design Document
	Architectural Design
	Database Design
	Interface Design
	Procedural Design
	Test Case Design
	Project Review Record -3
First Review	Draft Report (Combination of all the above work products)

	PPT for project presentation
	Project Presentation
Implementation	Overview of the Project
	Pseudo Code (Algorithms)
	Project Review Record – 4
Test	Test Case Document
	Unit Testing Integration Testing System Testing
	Project Review Record – 5
Second Review	Draft Copy of the Project Report PPT for Project Presentation
	Project Presentation
	Application Demo