SACRED HEART COLLEGE (AUTONOMOUS)

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Ready for Every Good Work

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

B.Sc. Computer Science

Sem	Part	Code	Subject Title	Hours	Credit(s)
I	I		Tamil – I	5	3
	II		English – I	5	3
	III		Allied – I: Mathematics – I	6	4
	III	**CS117**	Digital Computer Fundamentals	4	4
	III	**CS118**	Web Design Concepts	4	4
	III	**PCS107**	Practical I: Web Design Concepts	2	2
	IV		Personal Skills	2	1
	IV		Christian Religion - I / Value Education - I	2	1
	IV		Communicative English – I	-	1
				30	**23**
II	I		Tamil – II	5	3
	II		English – II	5	3
	III		Allied – I: Mathematics – II	6	4
	III	**CS218**	Computer Organization and Architecture	4	4
	III	**CS219**	Programming with C	4	4
	III	**PCS211**	Practical II: Programming with C	2	2
	IV		Social Skills	2	1
	IV		Christian Religion - II / Value Education – II	2	1
	IV		Communicative English – II	-	1
				30	**23**
III	I		Tamil – III	5	3
	II		English – III	5	3
	III		Allied – II: Physics – I	4	3
	III	**CS319**	Object Oriented Programming with C++	4	4
	III	**CS320**	Data Structures and Algorithms	4	4
	III	**PCS308**	Practical - III: Data Structures and Algorithms	2	2
	III		Practical: Allied – II: Physics – I	2	1
	IV		Employability Skills – I	2	1
	IV		Environmental Science	2	1
				30	**22**

Sem	Part	Code	Subject Title	Hours	Credit(s)
IV	I		Tamil – IV	5	3
	II		English – IV	5	3
	III		Allied – II: Physics – II	4	3
	III	**CS419**	Computer Graphics	4	4
	III	**CS420**	Relational Database Management Systems	4	4
	III	**PCS411**	Practical - IV: Relational Database Management Systems	2	2
	III		Practical : Allied – II: Physics - II	2	1
	IV		Employability Skills – II	2	1
	IV		Human Rights	2	1
	V		DEEDS	-	2
	V		SHELTERS	-	2
				30	**26**
V	III	**CS534**	Programming with JAVA	5	5
	III	**CS535**	Linux and Shell Programming	5	5
	III	**CS536**	Operating Systems	5	5
	III	**CS537**	Programming with PHP	2	2
	III	**CS538**	Elective - I Software Engineering	4	3
	III	**PCS512**	Practical - V: Programming with JAVA	2	2
	III	**PCS513**	Practical - VI: Linux and Shell Programming	2	2
	III	**PCS514**	Practical - VII : Programming with PHP	2	1
	III		Project Work	1	-
	III		Non-Major Elective – I	2	1
	VI		SSP1: Industrial Plant Training	-	1@
				30	**26 + 1@**
VI	III	**CS627**	Microprocessor and its Applications	5	5
	III	**CS628**	Web Development using XML	5	5
	III	**CS629**	Mobile Apps – Android Development	5	5
	III	**CS630**	Programming with R	2	2
	III	**CS631**	Elective – II Computer Networks	4	3
	III	**PCS623**	Practical - VIII: Microprocessor and its Applications	2	2
	III	**PCS624**	Practical - IX: Web Development using XML	2	2
	III	**PCS625**	Practical - X: Programming with R	2	1
	III		Project Work	1	2
	III		Non-Major Elective – II	2	1
	VI		SSP2: Quantitative Aptitude	-	1@
				30	**28+1@**
			Total	**180**	**148+2@**