



SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

Ready for
Every 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

Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Practical -I: Web Development Using HTML	PCS108	M.Sc. Computer Science	Employability: Exercise to create a webpage using hyperlink, frameset, tables, forms, Styling with CSS through practice in computer laboratory, so that the student can be able to develop creative website designing skills.	2021-22
Practical -II: Programming Using C	PCS212	M.Sc. Computer Science	Employability ; Employability & Skill Development: Practicing for Drawing the flowchart, writing algorithm, Coding techniques, debugging, code review through practice in computer laboratory, based on this activity the student can become a programmer	2021-22
Data Structures and Algorithms Using C	CS323	M.Sc. Computer Science	Employability : Learning the functionalities of stack, queue, tree, graph techniques through practice in computer laboratory,	2022-23

			based on these the students can face the interview and also they can become a Data architect.	
Practical -III: Data Structures And Algorithms Using C	PCS309	M.Sc. Computer Science	Employability : Exercise to create a functionalities of stack, queue, tree, graph techniques through practice in computer laboratory, based on these the students can face the interview and also they can become a Data architect.	2022-23
Relational Database Management Systems	CS423	M.Sc. Computer Science	Employability : Practice for writing queries on commands, constrains, and normalization concepts through practice in computer laboratory. Based on these activities they can become a Database designer and Database admin.	2022-23
Practical -IV: Relational Database Management Systems	PCS412	M.Sc. Computer Science	Employability : Exercise to create queries on commands, constrains, and normalization concepts through practice in computer laboratory. Based on these activities they can become a Database designer and Database admin.	2022-23

Programming Using Java	CS534	M.Sc. Computer Science	Employability : Practice for creating simple application with use of Java applets and threading concepts through practice in computer laboratory, so that the students can become a programmer.	2022-23
Linux and Shell Programming	CS535	M.Sc. Computer Science	Employability : Learning the Unix command like file management, disc management, security on files, communication oriented, process oriented commands and shell scripting through practice in computer laboratory, so that the students can become a system admin and system side programmer.	2020-21
Programming Using PHP	CS536	M.Sc. Computer Science	Employability : Learning the server side scripting with help of PHP through practice in computer laboratory, so that the student can become a web page designer.	2020-21
Operating Systems	CS537	M.Sc. Computer Science	Employability : Learning the OS concepts like fragmentation, paging, swapping, deadlock, semaphore and CPU scheduling algorithms through practice in computer laboratory, so that the students can	2020-21

			become a system admin.	
Software Engineering	CS538	M.Sc. Computer Science	Employability : Practice the SDLC life cycle activities through assignment writing, problem solving and seminar and also applying the SDLC concept to the project to create software on his/her own. So that the students can become a software designer.	2020-21
Practical -V :Programming Using Java	PCS512	M.Sc. Computer Science	Employability : Creating simple application with use of Java applets and threading concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21
Practical -VI :Linux and Shell Programming	PCS513	M.Sc. Computer Science	Employability : Creating simple application with use of Linux and Microprocessor concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21
Practical -VII :Programming Using PHP	PCS514	M.Sc. Computer Science	Employability : Exercise to create the small web application with html and php through practice in computer laboratory, so that the students can develop the web designing skills.	2020-21

Mobile Apps – Android Development	CS629	M.Sc. Computer Science	Employability : Learning the android life cycle, layers, SDK, android common control and database operations through demonstration, so that the students can become an Android Mobile Application developer.	2020-21
Web Development Using XML	CS628	M.Sc. Computer Science	Employability : Learning the xml self descriptive tags, DTD validation, Schema validation, XSLT and web services through assignment writing, and practice in computer laboratory, so that the students can become a web services developer.	2020-21
Programming Using Python	CS630	M.Sc. Computer Science	Employability : Creating simple application with use of Python concepts through practice in Assignment and Computer laboratory, so that the students can become a programmer.	2020-21
Microprocessor and its Applications	CS629	M.Sc. Computer Science	Employability : Learning the registers, instruction set and machine code, so the students can understand the assembly level language programming concepts through assignment writing, problem solving, seminar and demonstration of assembly programs	2020-21

			using Emulator-Software. So that the students can become an embedded tool developer.	
Elective II :Computer Networks	CS631	M.Sc. Computer Science	Employability : Wired and wireless medium, different protocols, types of network through assignment writing, problem solving and seminar, so that the students can become a network technician, network supervisor and network admin.	2020-21
Practical - VIII: Microprocessor and its Applications	PCS623	M.Sc. Computer Science	Employability : Exercise to create the small mobile application with XML and Java through practice in computer laboratory, so that the students can develop the skills.	2020-21
Practical -IX :Programming Using Python	PCS624	M.Sc. Computer Science	Employability : Creating simple application with use of Python concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21
Practical -VI :Web Development Using XML	PCS625	M.Sc. Computer Science	Employability : Exercise to create the xml document with embedded to, DTD, Schema and XSLT to validate the xml documents through practice in computer laboratory, so that the students can develop	2020-21

			the web service oriented skill.	
Project Work	PCS626J	M.Sc. Computer Science	Employability : Practice for creating different types of application like desktop application (C, Java), web application (HTML,PHP,JSP,.net), games software, network applications through creating an artefacts, LAB practice, discussion with the project supervisor , and reviews. Based on these activities the students can start their own software development centre and can become as a freelance software designer.	2020-21