



*Ready for
Every Good Work*

SACRED HEART COLLEGE (AUTONOMOUS)

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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 Programme: MCA

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	SCRIPTING TECHNOLOGY	MCA161T	<ul style="list-style-type: none"> To Learn the basic concepts in HTML, CSS, JavaScript, jQuery To Understand the responsive design and development To Design a Website with HTML, JS, CSS, jQuery 	<ul style="list-style-type: none"> Learn and apply the basic HTML Tags. Build and design a web page with the help of basic web components. Classify, Choose and Build jQuery and JavaScript applications. Differentiate and Construct client and server side Scripting Draft and Design a webpage using CSS. Devise and Create sample static webpages 	local developmental needs
2	SOFTWARE TESTING AND QUALITY ASSURANCE	MCA163I	<ul style="list-style-type: none"> To be aware of essential concepts of software quality. To understand fundamental concepts in software testing, including software testing objectives, process, criteria, strategies, and methods. To identify the Systematic approach to the development, operation, maintenance, and retirement. To apply software testing knowledge and methods in testing software projects 	<ul style="list-style-type: none"> Observe and Explain the significance of software testing and quality assurance Discuss and Elicit the basics of software testing, including objectives, process, criteria, strategies, and methodologies. Apply white box testing approach and Design the test cases. Devise and Design test cases from the given requirements using Black box testing techniques Observe, Recognize and do case studies on the need for System and user acceptance testing. 	local developmental needs

				<ul style="list-style-type: none"> Discuss and Elicit importance of non-functional testing and the types of non-functional testing. 	
3	ANDROID APPLICATION DEVELOPMENT	MCA264I	<ul style="list-style-type: none"> To understand the design issues in the development of mobile applications. To design the right user interface for mobile application. To understand the development procedure for mobile application. To develop mobile applications using various tools and platforms. 	<ul style="list-style-type: none"> Recognize and recall the various tools and technologies used to develop mobile applications. Install and interact android studio and related SDK and enabling emulator or mobile device Apply various design components in the development of mobile applications Identify the right user interface for mobile application Discuss the various UI components with SQLite and establish database connection. Develop mobile applications using various tools and platforms 	local developmental needs