



*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	ENTERPRISE APPLICATIONS WITH .NET	MCA260T	<ul style="list-style-type: none"> To Learn the fundamental structured and object oriented features of the C# programming language. To develop a stand-alone windows applications in the .NET framework using C#. To learn and build an applications with WPF control, styles and resources using C#. To create web-based applications using ASP.NET using C#. To learn the usage and application of LINQ. 	<ul style="list-style-type: none"> Infer and Apply the basics of structured programming. Use the basics of object oriented programming and design object oriented programs. Device and Develop programs in structured programming model. Device and Design solutions in object oriented programming paradigm. Construct Develop stand-alone windows applications in the .NET framework. Construct, Device and Build applications with WPF control, styles and resources. Create web-based applications using ASP.NET. Build data aware standalone and web applications. Illustrate the usage and application of LINQ. Integrate solutions across console, windows and web frameworks. 	regional developmental needs

2	ELECTIVE I: INTERNET OF THINGS	MCA263B	<ul style="list-style-type: none"> • To understand the different architectures of IoT. • To learn various protocols at the different layers for IoT. • To develop prototypes systems using Arduino / Raspberry Pi. • To apply the use of data analytics in IoT. 	<ul style="list-style-type: none"> • Acquire and use the various objects or things handled in the connectivity • Learn and Practice to connect and activate the objects with procedure (domain specific). • Compare and correlate the network layer model with Internet of Things layers. • Observe and Apply analysis techniques on the constructed model (domain specific). • Analyze and Assess IoT communication (connecting and passing data) using different architectures. • Do Case study and build the Architecture and Use cases for the domain specific problems 	regional developmental needs
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