



DON BOSCO ARTS & SCIENCE COLLEGE

Angadikadavu P.O, Kannur Dt., Kerala - 670706

Web : www.donbosco.ac.in, E-mail: dbascoffice@gmail.com

Ph: 0490 - 2426014, 2426557 Mob: 09961200787

.NET Programming

2015-16, 2016-17 & 2017-18
BCA Department



SYLLABUS FOR ADD-ON COURSE

Module I:

Introduction to C# - Evolution , Characteristics, applications. Understanding .NET, Origin of .NET Technology, .NET Framework, Common Language Runtime (CLR), .NET Approach. Overview of C#- Program Structure, A Simple C# Program, Namespaces, CommandLine Argument, Errors.

Module II:

Object Oriented aspects of C# , Classes, Objects, Inheritance, Polymorphism, Interfaces, Operator Overloading, Delegates, Events, Errors and Exceptions, Multithreading

Module III:

Application Development on .NET Web Applications – Web form Fundamentals, Web form Events, Webform Life cycle, Creating a Web Application, Web Services. Windows Applications – Creating a Windows Application

Module IV:

Database Access and .NET Components Accessing Data with ADO.NET Assemblies, Versioning, Attributes, Reflection, Viewing Meta Data, Type Discovery, Reflecting on a type, Marshalling, Remoting.

Reference

1. Programming in C#, E.Balagurusamy (Unit I, II)
2. Programming in C#, J. Liberty 2nd Edition – O'Reilly (Unit III, IV, V)
3. C# Programming Bible, Jeff Ferguson, Brian Patterson, Jason Beres, Wiley Publishing Inc., Reprint 2006.
4. Programming .Net , Jeff Prosise, , 2nd Edition, WP Publishers & Distributors Pvt. Ltd, 2009.
5. Professional .Net Framework , Kevin Hoffman & Jeff Gabriel , , 1st Edition, Wrox Press Publishers, 2006.