

KONKAN GYANPEETH
KARJAT COLLEGE OF ARTS, SCIENCE AND COMMERCE

ASP .NET with C#

B.Sc. (IT) Sem. V

EVALUATION SYSTEM

	Time	Marks
Theory Exam	3 Hrs.	100
TW / Tutorial	–	50

SYLLABUS

1. Review of .NET frameworks, Introduction to C#, Variables and expressions, flow controls, functions, debugging and error handling, OOPs with C#, Defining classes and class members. Assembly, Components of Assembly, Private and Shared Assembly, Garbage Collector, JIT compiler. Namespaces.
2. Collections, Comparisons and Conversions, Delegates and Events, Windows programming: Controls (Button, Label, Link Label, Radio Button, CheckBox, Text Box, Rich TextBox, List Box, Checked List Box, List View, Tabbed), Forms (Menus and Tool Bars, SDI and MDI applications, Building MDI applications).
3. **Introduction to ASP.NET 4**
Microsoft .NET framework, ASP.NET lifecycle. Themes in ASP.NET
CSS : Need of CSS, Introduction to CSS, Working with CSS with visual developer
ASP.NET server controls : Types of control, ASP.NET state management engine. Web.config and global.asax files.
4. **Programming ASP.NET web pages**
Introduction, data types and variables, statements, organizing code, object oriented basics. Master Pages, Caching.
Navigation: Using navigation controls, programmatic redirection
User Controls: Introduction to user controls
Validating User Controls
5. **Databases**
Introduction, Using SQL to work with database, retrieving and manipulating data with SQL, working with ADO.NET, ADO.NET architecture, ASP.NET data control, data source control, deploying the web site. Crystal reports.
LINQ : Operators, implementations, LINQ to objects, XML, ADO.NET, Query Syntax
ASP.NET Security : Authentication, Authorization, Impersonation, ASP.NET provider model
6. **ASP.NET Ajax**
Introducing AJAX, Using ASP.NET AJAX, Web Services and Page methods in AJAX websites,
JQuery : Introduction to JQuery, JQuery syntax, modifying DOM with JQuery, effects with JQuery, JQuery and extensibility

Reference :

1. Programming ASP.NET, (*D. Esposito*), Microsoft Press (Dreamtech).
2. Visual C#.NET, (*Vijay Nicoel*), TMH.
3. Beginning Visual C# 2010, (*K. Watson, C. Nagel, J.H. Padderson, J.D. Reid, M. Skinner, Worx*) Wiley 2010 (unit I and II)
4. Beginning ASP.NET 4-in C# and VB, (*I. Spanjarrs*) Reprint 2011 (Unit III and IV)
5. ASP.NET 4.0 programming (*J. Kanjilal*) Tata McGraw-Hill (Unit III and VI)