ASP.NET

Semester	Subject Code	Category	Lecture Hrs		Theory Hrs		Practical		Credits
			Per week	Per Sem	Per week	Per Sem	Per week	Per Sem	
IV		CORE PAPER - 6	6	90	6	90	0	0	4

COURSE OBJECTIVE

- This paper helps us to understand the advanced concept web designing using ASP.NET.

COURSE OUTCOME

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level (K1-K4)
CO1	Learn Technical knowledge	**K1**
CO2	Apply technical knowledge and perform specific technical skills,	**K2**
CO3	Design, Debug and Deploy web applications using ASP.NET	**K3**
CO4	Use ASP.NET controls in web applications.	**K3,K4**
CO5	Create database driven ASP.NET web applications and web services	**K4**

Knowledge Level – K1-Remember, K2- Understand, K3-Apply, K4-Analyze

MAPPING WITH PROGRAMME OUTCOME

COS	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
CO1	M	M	M	M	L	L
CO2	M	M	S	M	M	M
CO3	S	S	S	S	M	S
CO4	S	S	S	S	S	S
CO5	S	S	S	S	S	S

S-Strong ***M-Medium*** ***L-Low***

SYLLABUS

UNIT I: ASP.NET BASICS 18 Hrs

Introduction to ASP.NET: .NET Framework (CLR, CLI, BCL)-ASP.NET Basics- ASP.NET Page Structure- Page Life Cycle. Controls: HTML Server Controls – Web Server Controls – Web User Controls
– Validation Controls – Custom Web Controls.

UNIT II: FORM 18 Hrs

Form validation: Client side validation – Server side validation – Validation Controls: Required Field- Comparison Range – Calendar Control – Ad rotator Control – Internet Explorer Control. State Management: View State – Control State – Hidden Fields – Cookies – Query Strings – Application State – Session State.

UNIT III: ADO.NET 18 Hrs

Architecture of ADO .NET – Connected and Disconnected Database – Create Database – Create connection Using ADO.NET Object model – Connection Class – Command Class – Data Adapter Class – Dataset Class- Display data on data bound controls and Data Grid.

UNIT IV: DATABASE ACCESSING 18 Hrs

Database accessing on Web Applications: Data Binding

Concept with web – Creating Data Grid – Binding standard web server controls – Display data on web form using Data Bound Controls.

UNIT V: XML **18 Hrs**

Writing Datasets to XML – Reading datasets with XML – WEB services: Remote method call using XML, SOAP – Web service description language – Building and Consuming a web service – Web Application deployment.

Distribution of Marks: Theory 80% and

Applications: 20%

TEXT BOOKS:

S.No	Authors	Title	Publishers	Year Of Publication
1	Bill Evjen , Devin Rader , Farhan Muhammad,Scott Hanselman ,	Professional ASP.NET 1.1	Wrox publication	2003

REFERENCE BOOK:

S.No	Authors	Title	Publishers	Year Of Publication
1	Matthew Mac Donald	The Complete Reference ASP.NET	TataMcGraw- Hill Edition	2009

2	Vikas	Net Programming	Gupta Publications	2007
3	Kogent Solutins	ASP.NET 3.5	Dream Tech Press	2009
4	Chris Ullman,John Kauffman	Beginning ASP.NET with VB.NET	Wrox Publications	2003
5	Crounch	Asp.Net Web Programming	Pearson Publications	2008
6	Richard Blair,Mathew Renolds	Professional ASP.NET 3.3	Wrox Publications	2003
7	Esposito	Introduction to Microsoft ASP.NET 2.0	PHI Publications	2009
8	Richard Lenikar	Special Education Using ASP.NET	Pearson Publications	2011

WEB RESOURCES

1. https://docs.microsoft.com/en-us/aspnet/tutorials

TEACHING METHODOLOGY

- Class room teaching.
- Group discussions
- Seminars
- Demo using systems
- Simulation Model

- Smart Class room

SYLLABUS DESIGNER

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