

SARDAR PATEL UNIVERSITY
Programme: MSC (Information Technology)
Semester: III
Syllabus with effect from: June 2010

Paper Code: PS03CINT04	Total Credits: 4
Title Of Paper: Distributed Application Development Technology	

Unit	Description in detail	Weightage (%)
1	Introduction to .Net: Framework Architecture Web Service Architecture SOAP & UDDI Authentication System: Net Passport & .Net Alerts Securing Web Services: Built-in authentication, Role-based and Code-based security	18 %
2	Exchanging & Transforming Data: Data representation with XML XML grammar and datatypes Transforming data using XSLT Xpath and XML Schema XML in .Net	16 %
3	Programming through C#: Fundamentals of C# Data Abstraction Methods, Properties, Delegates and Events Creating .Net Framework Component Creating Web Services	16 %
4	Server Side Scripting under .Net (ASP .NET): Webforms Handling page events Validation Controls and Web Controls Creating ASP.Net client using C# Caching and Security Features	18 %
5	Database Access – ADO.NET: Connection Object DataReader, DataAdapter, DataSet, DataRelation Objects Sorting, Searching and Filtering Updating changes to the database Creating database application using c# and ado.net	16 %
6	Advanced .Net Concepts: Garbage Collection Remoting and Reflection Localizaton and Serialiation Security Introduction to mobile.net	16 %



Basic Text & Reference Books:

- Introduction to Microsoft .Net - David S. Platt
- Microsoft Visual Studio .Net - Microsoft Press
- Designing Microsoft ASP.Net Applications - Douglas J. Reilly
- Developing Web Applications with Microsoft Visual Basic .Net and C#.Net - Microsoft Press
- Microsoft Visual C#.Net - Mikey Williams
- XML Step by Step - Michael J Young
- Microsoft ADO.Net - David Sceppa
- XML Programming - R. Allen Wyke
- Programming Microsoft Windows with C# - Charles Petzold
- Building Secure Microsoft ASP.Net Applications - Microsoft Press
- Relevant Manuals of Software.

