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

<table>
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<tr>
<th>Unit</th>
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| 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 grammer 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
- Designing Microsoft ASP.Net Applications - Douglas J. Reilly
- 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.