

0944 -DIPLOMA IN INFORMATION TECHNOLOGY & ENGINEERING
SEMESTER -I
094462 (b) .NET
(Common with Computer Engineering)

RATIONALE

This is an upcoming technology, so the teacher should take pain in making the students conversant with this. The demonstration should be given using .NET software for describing the various features of .NET technology

DETAILED CONTENTS

1. .NET – evolution

Need and perspective in current scenario, .net framework over view structural diagram

2. .NET framework Base classes

User and program interfaces, windows forms, web forms, console applications

3. XML

An overview of XML, use of XML, integrity of XML with databases, XML as the .NET Meta language

4. Visual Studio .NET

Common IDE for all languages, the common language specification, all .net languages, management of multiple language, projects

5. Language changes

Visual basic, C++, C#+, overview of C#, data types in C#, control flow in C#, C# classes

6. Anatomy of .NET Applications:

Assembly, module, type custom types, metadata and managed data

7. What is new in visual basic .NET ?

8. What is new in visual studio .NET ?

LIST OF PRACTICALS

1. Installation of .net
2. Exploring the various features of .net
3. Ability to work an start various tasks and features of .net framework
4. Able to work and develop program in Visual Basic.net
5. To explore in detail Visual Studio.net

INSTRUCTIONAL STRATEGY

NET being a new technology subject, the teacher should lay considerable emphasis on giving various examples while imparting instructions to the students. Practice exercises will reinforce understanding of various features of this language and will develop requisite abilities to develop programs.

RECOMMENDED BOOKS

Introducing .NET by James Conard, Patrick Rengler, Birn Eranics, Jay Elynn Wron Publications