**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan (OddSemester) Session (2019-2020)**

**Class: MSc-IT(3rd sem)**   **Name of the Teacher: Sarbjit kaur**

**Subject: .NET FRAMEWORK AND C# Period :III(3-6)**

**Paper: MS - 32 Room No: 201**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 23-07-2019 to 27-07-2019 | **Introduction to .NET environment:** The .NET strategy, the origins of the .NET technology,the .NET framework, the common language runtime, framework base classes, user and programs interface, visual studio .NET, .NET languages, benefits of the .NET approach. |
| Week 2 | 29-07-2019 to 03-08-2019 | **Introduction to C#** :Introducing C#, Overview of C#, Literals, Variables, Data Types |
| Week 3 | 05-08-2019 to 10-08-2019 | Operators, Expressions, Branching, Looping, Methods |
| Week 4 | 13-08-2019 to 17-08-2019 | Arrays, Strings, Structures, Enumerations, difference between C++ and C#, difference between Java and C#. |
| Week 5 | 19-08-2019 to 24-08-2019 | **Object Oriented Aspects of C#** : Classes, Objects, Inheritance, Polymorphism, |
| Week 6 | 26-08-2019 to 31-08-2019 | Interfaces,Operator Overloading, Delegates, Events, Errors and Exceptions. |
| Week 7 | 02-09-2019 to 07-09-2019 | **I/O and Object Serialization:** I/O: System. I/O, Streams, TextWriter, TextReader, BinaryWriter, Binary Reader, File Stream, File; |
| Week 8 | 09-09-2019to 14-09-2019 | Serialisation: Binary, SOAP, XML and  Custom Serialisation. |
| Week 9 | 16-09-2019 to 21-09-2019 | **Writing Windows Forms Applications and Deploying Windows Forms Applications**:  Writing Windows Forms Applications: Understanding Windows Forms, |
| Week 10 | 23-09-2019 to28-09-2019  (Youth Festival 24-09-2019 to 27-09-2019) | Window form controls, Menus, MDI Forms, Using Inheritance in Windows Forms, Using Common Dialog Controls, |
| Week 11 | 30-09-2019 to 05-10-2019 | Deploying Windows Forms Applications: Introduction to deployment, Click Once deployment, Creating an Installation Package for project. |
| Mid Semester Exams | | |
| Week 12 | 16-10-2019 to 19-10-2019 | **Writing ASP .NET applications and Deploying ASP .NET Applications:** Introduction to  ASP.NET, Using Validation Controls, |
| Week 13 | 21-10-2019 to 26-10-2019 | Managing State in ASP.NET Web Applications, |
| Week 14 | 29-10-2019 to 02-11-2019 | NET Applications with Windows Deploying ASP.Installer. |
| Week 15 | 04-11-2019 to 09-11-2019 |  |
| Week 16 | 11-11-2019 to 16-11-2019 | **Accessing Data with ADO .NET:** ADO .NET Architecture, Components, Database, |
| Week 17 | 18-11-2019 to 23-11-2019 | DataReader, DataAdapter, DataSet, Viewing data using Data Grid View Control |
| Week 18 | 25-11-2019 to 30-11-2019 | CreatingApplications |