**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: BCA 6th Sem Name of the Teacher: Jasdeep Kaur**

**Subject: App Development using VB.Net Period :2 and 5**

**Paper : BCA-16-602 Room No : 205**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | Introduction to .NET Framework and the  Common Language Runtime. |
| Week 2 | 21/01/2019 –  25/01/2019 | Introduction to Visual tudio.NET IDE: Menu Bar and Tool  Bar, Solution Explorer, Toolbox, Using different controls of Toolbox. |
| Week 3 | 28/01/2019 –  2/02/2019 | Their commonly used properties and methods: TextBox, Label, Check Box, Radio Button, But  ton, Frame. |
| Week 4 | 4/02/2019 –  9/02/2019 | List Box, Combo Box, Picture, Image, Shape, Drive, File, directory related controls, Introduction to Menus. |
| Week 5 | 11/02/2019 –  16/02/2019 | Basics of VB.Net: Constants, Variables, data types, assignment operator, Operators: Arithmetic, Relational and logical operators, Assignment operators , Control structures: If, if/then/else selection structures, Select case Multiple-s  election structure, While, do while, do until, For/Next repetition structure. |
| Week 6 | 18/02/2019 –  23/02/2019 | Procedures: Introduction, sub Procedures, function procedures, event procedures, commonlyused Form events, msgBox function, InputBox function. Arrays and Strings:  declaring and allocating Arrays, Using Strings and String functions: len, right, left, ucase, lcase, ltrim, trim. |
| Week 7 | 25/02/2019 –  02/03/2019 | Control Arrays: Introduction, creating and using Control Arrays . |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | Introduction to ASP.NET, Difference between ASP and ASP.NET, Understanding Web Forms, Using Validation Controls. |
| Week 9 | 18 /03/2019 –  22/03/2019 | RequiredFieldValidator,RangeValidator,CompareValidator,Regular  ExpressionValidator,CustomValidator,ValidationSummary. |
| Week 10 | 25/03/2019 –  30/03/2019 |  |
| Week 11 | 1/04/2019 –  6/04/2019 | Managing State in ASP.NET Web Applications using  Session object, Cookie and Query String ,Creating ASP.NET application, Deploying ASP.NET Applications with Windows Installer, Introduction to Web Services. |
| Week 12 | 8/04/2019 –  12/04/2019 | Accessing Data with ADO.NET: Understanding ADO.net, ADO.NET Object model: Using DataAdapter for Data Navigation and Data Manipulation. |
| Week 13 | 15/04/2019 –  20/04/2019 | Connected model and Disconnected model. |
| Week 14 | 22/04/2019 –  27/04/2019 | Architecture, components, Understanding Provider classes, using Data Reader to read data from database, Data Adapter and Data sets, |
| Week 15 | 29 /04/2019 –  3/05/2019 | connecting to and querying a data source, using Data Grid view control with ADO.NET data sources. |