**GOVT POLYTECHNIC MANESAR**

**LESSON PLAN**

Faculty’s Name : Mrs. Promila

Department : Computer Engineering

Semester : Fifth

Subject : Visual Basic

Duration : 16 Weeks (July, 2018 - Nov,2018)

**\*\*** **Work Load (Lecture/Practical) per Week in Hours Lectures-04, Practical-04**

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| --- | --- | --- | --- | --- |
|  |  | **Theory** |  | **Practical** |
| Week | Lecture | Topic(Including assignment/test) | Practical |  |
|  | Day |  | Day |  |
|  |  |  |  |  |
| 1st | 1st | Introduction to Visual Basic | 1st | Introduction to Visual Basic |
|  |  |  |  |  |
|  | 2 | Features Visual Basic | 2nd | Introduction Features of VB |
|  | 3 | history of Visual Basic |  |  |
|  |  |  |  |  |
| 2nd | 4 | Revision | 3rd | Exercise on all the menus of |
|  |  |  |  | opening window of VB |
|  | 5 | Assignment |  |  |
|  | 6 | applications of VB | 4th | Revision |
| 3rd | 7 | concept of integrated development | 5th | Practical checking and |
|  |  | environment (IDE) |  | Testing |
|  |  |  |  |  |
|  | 8 | Assignment |  |  |
|  | 9 | project application like standard Exe | 6th | Exercise on opening |
|  |  |  |  | projects like standard Exe |
|  |  |  |  |  |
| 4th | 10 | ActiveX EXE application , ActiveX DLL | 7th | Active-X EXE and Active-X |
|  |  |  |  | Control |
|  |  |  |  |  |
|  | 11 | Class test | 8th | Revision |
|  | 12 | VB Structure Variable declaration types |  |  |
| 5th | 13 | user defined data types – scope and life of | 9th | Exercise on all basic |
|  |  | a variable |  | Controls |
|  | 14 | Arrays – constructors |  |  |
|  | 15 | control flow statements | 10th | Revision |
| 6th | 16 | Procedures and functions. | 11th | Practical checking and |
|  |  |  |  | Testing |
|  | 17 | Revision |  |  |
|  | 18 | Test | 12th | Exercise on design form like |
|  |  |  |  | calculators, |
| 7th | 19 | Designing the User Interface | 13th | Practical checking and |
|  |  |  |  | Testing |
|  | 20 | Design aspects of VB forms |  |  |
|  |  |  |  |  |
|  | 21 | Elements of user Interface | 14th | Exercise on design form like |
|  |  |  |  | traffic lights |

|  |  |  |  |  |
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| 8th | 22 | properties of controls – | 15th | Practical checking and |
|  |  | textbox, label, command button, |  | Testing |
|  | 23 | check box, list box, picture, image shape |  |  |
|  |  | timer |  |  |
|  | 24 | designing forms and displaying messages | 16th | Exercise on small |
|  |  | using above controls – |  | application using |
|  |  |  |  | appropriate commands |
| 9th | 25 | control arrays | 17th | Practical checking and |
|  |  |  |  | Testing |
|  | 26 | Class test |  |  |
|  |  |  |  |  |
|  | 27 | Menus and Common Dialogue Control | 18th | Exercise on small |
|  |  |  |  | application using |
|  |  |  |  | appropriate commands |
| 10th | 28 | Creating menus at design time using | 19th | Practical checking and |
|  |  | menu design window |  | Testing |
|  | 29 | control menus and runtime |  |  |
|  |  |  |  |  |
|  | 30 | create shortest keys for pop up menus | 20th | Writing programs using |
|  |  |  |  | Arrays |
| 11th | 31 | Revision | 21th | Practical checking and |
|  |  |  |  | Testing |
|  | 32 | Common Dialogue control. |  |  |
|  |  |  |  |  |
|  | 33 | Display date, time, | 22th | Exercise on menus |
| 12th | 34 | string type conversion and Printing | 23th | Practical checking and |
|  |  | Information |  | Testing |
|  |  |  |  |  |
|  | 35 | Data reports and environments |  |  |
|  |  |  |  |  |
|  | 36 | display tabular data in report form | 24th | Exercise on Common |
|  |  |  |  | Dialogue control |
| 13th | 37 | fundamentals of | 25th | Revision |
|  |  | printing |  |  |
|  | 38 | printing with print form method. |  |  |
|  | 39 | Data Base Programming | 26th | Practical checking and |
|  |  |  |  | Testing |
| 14th | 40 | Connecting with database, using DAO, | 27th | Exercise on creating reports |
|  |  |  |  |  |
|  | 41 | Connecting with database, using RDO |  |  |
|  | 42 | Connecting with database, using ADO | 28th | Practical checking and |
|  |  |  |  | Testing |
| 15th | 43 | Revision and Class test | 29th | Exercise on Data base |
|  |  |  |  | Connectivity |
|  | 44 | Working with inbuilt Active X, |  |  |
|  |  |  |  |  |
|  | 45 | Windows common control, | 30th | Practical checking and |
|  |  |  |  | Testing |
| 16th | 46 | creating own Active X | 31th | Exercise on creating own |
|  |  | through Active X control, |  | active X, component |
|  | 47 | Active X EXE, |  |  |
|  |  |  |  |  |
|  | 48th | difference between EXE and DLL | 32th | Practical checking and |
|  |  |  |  | Testing |

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