

Lesson Plan

Subject- Visual Basic

Lesson Plan- 16 Weeks (Nov 20 – Feb 21)

| Week | Date | BCA (Vth Sem) BCA- 355 |
|----------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 2- Nov – 2020 | Introduction to VB |
| | 3- Nov – 2020 | Visual & Non-Visual programming |
| | 4- Nov – 2020 | Procedural, Object-Oriented, Object-Based and Event-Driven Programming Languages |
| | 5- Nov – 2020 | - |
| | 6- Nov – 2020 | - |
| | 7- Nov - 2020 | - |
| | 2 | 8- Nov - 2020 |
| 9- Nov - 2020 | | VB as Even-Driven and Object-Based Language |
| 10- Nov - 2020 | | VB Environment: Menu bar, Toolbar, Project explorer |
| 11- Nov - 2020 | | Toolbox, Properties Window, Form Designer, Form Layout, Immediate window, Default Controls in Tool Box Visual Development and Event Driven programming |
| 12- Nov - 2020 | | - |
| 13- Nov - 2020 | | - |
| 14- Nov - 2020 | | Holiday |
| 3 | 15- Nov - 2020 | Sunday |
| | 16- Nov - 2020 | Holiday |
| | 17- Nov - 2020 | Default Controls in Tool Box Visual Development and Event Driven programming |
| | 18- Nov - 2020 | Default Controls Cont..... |
| | 19- Nov - 2020 | - |
| | 20- Nov - 2020 | - |
| | 21- Nov - 2020 | - |
| 4 | 22- Nov - 2020 | Sunday |
| | 23- Nov - 2020 | Assignment 1 |
| | 24- Nov - 2020 | Holiday |
| | 25- Nov - 2020 | Basics of Programming: Variables: Declaring Variables |
| | 26- Nov - 2020 | - |
| | 27- Nov - 2020 | - |
| | 28- Nov - 2020 | - |
| 5 | 29- Nov - 2020 | Sunday |
| | 30- Nov - 2020 | Holiday |
| | 1- Dec - 2020 | Types of variables, Converting Variables Types |
| | 2- Dec - 2020 | User Defined Data Types, Forcing Variable Declaration |
| | 3- Dec - 2020 | - |
| | 4- Dec - 2020 | - |
| | 5- Dec - 2020 | - |
| 6 | 6- Dec - 2020 | Sunday |
| | 7- Dec - 2020 | Scope & Lifetime of Variables |
| | 8- Dec - 2020 | Sessional |
| | 9- Dec - 2020 | Constants: Named & Intrinsic, Operators: Arithmetic, Relational & Logical operators |
| | 10- Dec - 2020 | - |

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| | 11- Dec - 2020 | - |
| | 12- Dec - 2020 | - |
| 7 | 13- Dec - 2020 | Sunday |
| | 14- Dec - 2020 | Operators Cont..... |
| | 15- Dec - 2020 | Input/output in VB: Various Controls for I/O, Message box, Input Box, Print statement. |
| | 16- Dec - 2020 | Message box, Input Box, Print statement Cont.... |
| | 17- Dec - 2020 | - |
| | 18- Dec - 2020 | - |
| | 19- Dec - 2020 | - |
| 8 | 20- Dec - 2020 | Sunday |
| | 21- Dec - 2020 | Revision |
| | 22- Dec - 2020 | Decision Statements in VB - if statement, if-then-else |
| | 23- Dec - 2020 | Select-case |
| | 24- Dec - 2020 | - |
| | 25- Dec - 2020 | - |
| | 26- Dec - 2020 | - |
| | 27- Dec - 2020 | Sunday |
| 9 | 28- Dec - 2020 | Looping Statements in VB: do-loop, for-next, while-wend; Exit statement |
| | 29- Dec - 2020 | Loop Cont.... |
| | 30- Dec - 2020 | Nested Control Structure; Arrays: Declaring and using Arrays |
| | 31- Dec - 2020 | - |
| | 1- Jan - 2021 | - |
| | 2- Jan - 2021 | - |
| 10 | 3- Jan - 2021 | Sunday |
| | 4- Jan - 2021 | One-dimensional, Two-dimensional and Multi-dimensional Arrays |
| | 5- Jan - 2021 | Static and Dynamic arrays, Array of Arrays. |
| | 6- Jan - 2021 | Assignment 2 |
| | 7- Jan - 2021 | - |
| | 8- Jan - 2021 | - |
| | 9- Jan - 2021 | - |
| 11 | 10- Jan - 2021 | Sunday |
| | 11- Jan - 2021 | Holiday |
| | 12- Jan - 2021 | Arrays Cont.... |
| | 13- Jan - 2021 | Revision |
| | 14- Jan - 2021 | - |
| | 15- Jan - 2021 | - |
| | 16- Jan - 2021 | - |
| 12 | 17- Jan - 2021 | Sunday |
| | 18- Jan - 2021 | Procedures: General & Event Procedures, |
| | 19- Jan - 2021 | Subroutines, Functions |
| | 20- Jan - 2021 | Holiday |
| | 21- Jan - 2021 | - |
| | 22- Jan - 2021 | - |
| | 23- Jan - 2021 | - |
| 13 | 24- Jan - 2021 | Sunday |
| | 25- Jan - 2021 | Calling Procedures |
| | 26- Jan - 2021 | Holiday |
| | 27- Jan - 2021 | Arguments - Passing Mechanisms |

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| | 28- Jan - 2021 | - |
| | 29- Jan - 2021 | - |
| | 30- Jan - 2021 | - |
| 14 | 31- Jan - 2021 | Sunday |
| | 1- Feb - 2021 | Optional Arguments, Named Arguments |
| | 2- Feb - 2021 | Functions Returning Custom Data Types |
| | 3- Feb - 2021 | Simple Program Development in VB such as Sum of Numbers |
| | 4- Feb - 2021 | - |
| | 5- Feb - 2021 | - |
| | 6- Feb - 2021 | - |
| 15 | 7- Feb - 2021 | Sunday |
| | 8- Feb - 2021 | Greatest among Numbers, Checking Even/Odd Number |
| | 9- Feb - 2021 | HCF of Two Numbers, Generate Prime Numbers. |
| | 10- Feb - 2021 | Generate Fibonacci Series, Factorial of a Number, Searching, Sorting |
| | 11- Feb - 2021 | - |
| | 12- Feb - 2021 | - |
| | 13- Feb - 2021 | - |
| | 14- Feb - 2021 | Sunday |
| 16 | 15- Feb - 2021 | Revision |
| | 16- Feb - 2021 | Discussion over Previous Year papers |
| | 17- Feb - 2021 | Discussion over Previous Year papers |
| | 18- Feb - 2021 | - |
| | 19- Feb - 2021 | - |
| | 20- Feb - 2021 | - |