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<td>Programming in Visual Basic Lab</td>
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<td>RDS, Physical Education</td>
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<td>RDS, Physical Education</td>
<td>Internet and Web Technology</td>
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<th>Semester V</th>
<th>Hours Per Week</th>
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<tbody>
<tr>
<td>History, Economics, Philosophy, English</td>
<td>Computer Fundamentals and Office Automation</td>
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<th>Semester VI</th>
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<td>History, Economics, Philosophy, English</td>
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<tr>
<td>Physical Education</td>
<td>Internet and Web Technology</td>
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ARUL ANANDAR COLLEGE (AUTONOMOUS) - KARUMATHUR
DEPARTMENT OF COMPUTER EDUCATION

Class: B.Sc (RDS, Phy.Edu)  Part: IV SBE
: B.A (His, Eco, Phil, Eng)  Semester: III/V
Duration: 60 hrs  Credit: 2

Subject Code:

COMPUTER FUNDAMENTALS AND OFFICE AUTOMATION

Unit 1: Computer Fundamentals (12 Hours)

Unit 2: Operating system (12 Hours)
Windows Operating System - Starting Microsoft window - Desktop, Icons, My Computer, Recycle Bin, My Documents, Network Neighborhood, Exploring the task bar – Basic Components of window

Unit 3: Ms Word 2007 (12 Hours)

Unit 4: Ms Excel 2007 (12 Hours)

Unit 5: PowerPoint 2007 (12 Hours)
Introduction to PowerPoint-Window Layout- Presentation Basics: Creating a New Presentation- Inserting and Deleting a Slide - Saving a Presentation -Previewing - Printing Inserting and Editing Text Using the Office Clipboard - Viewing a Presentation - Formatting a Presentation - Animation Effects-Transition Effects- Slide Show-Working with Objects

Text Book:

Reference Books:
1. Taxali RK., PC Software for Windows, 1996, TATA McgrawHill, New Delhi
PROGRAMMING IN C

Unit 1: (12 Hours)

Unit 2: (12 Hours)
Operators and expressions – arithmetic, relational, logical, assignment, increment and decrement, bitwise, conditional, special operators – arithmetic expressions – precedence and associativity.

Unit 3: (12 Hours)
Formatted output (printf) and formatted input (scanf) – control structure – decision making with if – else if, switch, goto, while, do while, for statements.

Unit 4: (12 Hours)
Arrays – one dimensional and two dimensional arrays – functions – category of function.

Unit 5: (12 Hours)
Structure definition, processing a structure, user defined data types (typedef) - More about structures – Union definition – Processing a union.

Text Book:

Reference:
Objective

Aim of the course is to enable the student to understand the programming constructs and make the student to write programs in a Basic level.

1. Arithmetical Expression
2. If
   i. Biggest Number
   ii. Leap Year
3. For
   i. Display N Numbers
   ii. Factorial
   iii. Multiplication Table
4. While
   i. Sum of Digit
   ii. Reverse Number
5. Do-While
   i. Display N Numbers
6. Switch Case
   i. Display the Weekdays
7. Array
   i. Matrix Addition
8. Function
9. Structure
INTERNET AND WEB TECHNOLOGY

Unit 1: (12 Hours)


Unit 2: (12 Hours)


Unit 3: (12 Hours)


Unit 4: (12 Hours)

Listing Tags - Creating Hypertext link and link list – using Inline images – horizontal rules.

Unit 5: (12 Hours)


Text Book:

Reference:
1. Deitel.2003, Internet and World Wide Web How to program, Prentice Hall
2. Steven E. Callihan. II Edition, Learn HTML, PHI
ARUL ANANDAR COLLEGE (AUTONOMOUS) - KARUMATHUR
DEPARTMENT OF COMPUTER EDUCATION

Class: B.Sc Maths (Aided & SFC), Chemistry, Part: IV SBE
Class: Physics, Chemistry Semester: II/IV
Duration: 30 hrs/60 hrs Credit: 1/2
Subject Code: 15USBE22/

PROGRAMMING IN VISUAL BASIC

Unit 1: (12 Hours)
Introduction to Visual Basic: Visual Basic Environment, Features of VB, How to use VB compiler to compile/ debug and run the programs.

Variables & Data types: Variables, Public, Private, Static, Constants, Data types, Naming rules - Data type conventions, Constants, Named & intrinsic, Declaring variables, Scope of variables

Unit 2: (12 Hours)
Operators: Arithmetic – Comparison and Relational, Conditional Statement: If statement, If then – else Statement, Nested If Statements, Case structure, For/Next Loops, Do/Loops -Dialog Boxes: Predefined, Custom, Standard, Using Call Statement to call a procedure.

Unit 3: (12 Hours)
Functions: Date and time- Formatting-String, Val Function-VB Controls: Label Box, Text Boxes, Command Button, Frames, Check boxes, Option buttons, Image box- Setting a border & Styles- Picture Box, List Boxes, Combo boxes, Timer Control Using Property window

Unit 4: (12 Hours)
The Shape Control, The line control, working with multiple controls and their Properties, Designing the User Interface, Keyboard access, tab controls, Default & Cancel Property, Coding for controls- Multiple Forms- Hide, Show Method, Load, Unload Statement, Me keyword

Unit 5: (12 Hours)
Arrays: Single-Dimension Arrays, Initializing an Array using for Each, User-Defined DataTypes, Accessing Information with User-Defined Data Types, Using List Boxes with Array, Two dimensional arrays

Text Book
1. The Complete Reference Visual Basic 6 by Noel Jerke, TMH

References
2. Paul D. Sheriff. 1999, Visual Basic 6, PHI.
Objective

Aim of the course is to enable the student to understand the Visual Basics and its Controls to develop the window applications.

10. Arithmetical Expression Using Label, Textbox and Command Button

11. If
   iii. Biggest Number
   iv. Leap Year

12. For
   iv. Display N Numbers
   v. Factorial
   vi. Multiplication Table

13. Do-While
   ii. Display N Numbers

14. Select Case
   ii. Display the Weekdays

15. Select any one Item Using Option Button

16. Font Format Using Checkbox

17. Listbox

18. Font Format Using Combo box

19. String Functions.