

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
Computer Literacy Programme
2019-2020 Onwards
Skill Based Elective – Computer Literacy

Subject Code	Semester I		Hours Per Week	Cr
19USBE11	Physics, Chemistry, Physical Education	Office Automation and Design	1	1
19USBP11		Office Automation and Design - Lab	2	1
Semester II				
19USBE22	Physics, Chemistry	Programming in C	1	1
19USBP22		Programming in C – Lab	2	1
19USYE22	Physical Education	Internet and Web Design	1	1
19USYP22		Internet and Web Design - Lab	2	1
Semester III				
19USBE13/ 19USBZ13	Mathematics (Aided & SF), RDS, FST	Fundamentals of computer, Internet and Office Automation	1	1
19USBP13/ 19USBY13		Fundamentals of computer, Internet and Office Automation- Lab	2	1
Semester IV				
19USBE24	Mathematics(Aided & SF)		1	1
19USBP24		Programming in C-Lab	2	1
19USBE34/ 19USBZ24	RDS, FST	Web Design	1	1
19USBP34/ 19USBY24		Web Design – Lab	2	1
Semester V				
19USBZ15	History, Economics, Philosophy, English Lit. Tamil	Fundamentals of computer, Internet and Office Automation	1	1
19USBY15		Fundamentals of computer, Internet and Office Automation- Lab	2	1
Semester VI				
19USBZ26	History, Economics, Philosophy, English Lit. Tamil	Web Design	1	1
19USBY26		Web Design – Lab	2	1

ARUL ANANDAR COLLEGE (AUTONOMOUS) - KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
Computer Literacy Programme
2019-2020 Onwards
Skill Based Elective – Computer Literacy

Title	I semester	II semester	III semester	IV semester	V semester	VI semester
Office Automation and Design	Physics Chemistry Phy.Edu					
Fundamentals of Computer, Internet and Office Automation			Maths (Aided) Maths (SF), FST,RDS,		History Economics Philosophy English Lit. Tamil	
Programming in C		Physics Chemistry		Maths (Aided), Maths (SF)		
Internet and Web Design		Phy.Edu				
Web Design				FST,RDS		History Economics Philosophy English Lit. Tamil

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

OFFICE AUTOMATION AND DESIGN

Class : I B.Sc (Phy, Chem, Phy.Edu.)

Semester : I

Duration : 15 hrs

Credit : 1

Subject Code : 19USB11

Program Specific Objectives (PSO)

The course enables the students to

PSO1: Recognize the font and paragraph, tables, Design the PowerPoint and apply the animation.

PSO2: Recognize the functions and charts.

PSO3: Learn basics of the Photoshop

PSO4: Identify the Layers and Brushes.

PSO5: Design the Background Images.

Unit 1

(3 Hours)

Introduction to MS-Word - **Home Menu:** Font – Paragraph – Editing. **Insert Menu:** Table - Header & Footer. **Design Menu:** Page setup –Themes - Background. **Animation:** Custom Animation -Transition.

Unit 2

(3 Hours)

Introduction to MS-Excel – **Home Menu:** Alignment – Cells – Sort - Filter. **Insert Menu:** Illustrations-Charts – Links.

Unit 3

(3 Hours)

Introduction to Photoshop - Components of Photoshop - Classification of images - Properties of images - File formats.

Unit 4

(3 Hours)

Color palette - Layers-Creating new images-Brushes - Grids and guides - Moving and merging layers - Types of palettes.

Unit 5

(3 Hours)

Image Handling; Scanning Images - Adding text to the images - Designing Icons - Create background image - Color models and Color depth.

Books for Reading

1. Vikas Gupta, "Comdex Computer Course Kit "windows XP with office 2010.
2. G.M.Meenakshi, "Web Graphics", Scitech Publications India Pvt. Ltd.,

Books for Reference

1. "Web Graphics", Mary Lojkine, Dreamtech Press, First Edition 2003.

Teaching Methods

- Lecturing
- ICT
- Learning by Doing

Course Outcomes

CO1: Work with the basic features of MS-Word

CO2: Design the PowerPoint and apply the animation

CO3: Understand the basic features of MS-Excel

CO4: Understand and develop the photo Editing

CO5: Developing the Background Design.

Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	x				
CO2		x			
CO3			x		
CO4				x	
CO5					x

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
OFFICE AUTOMATION AND DESIGN – LAB

Class	: I B.Sc (Phy, Chem, Phy.Edu.)	Semester	: I
Duration	: 30 hrs	Credit	: 1
Subject Code : 19USBP11			

Program Specific Objectives (PSO)

PSO1: Apply the home menu and insert options.

PSO2: Design the Animation in PowerPoint.

PSO3: Apply the mathematical function and chart, filter, sort option

PSO4: Use the basics of the Photoshop

1. Create a word to apply Font Formatting option using MS-Word.
2. Create a paragraph to apply paragraph option using MS-Word.
3. Students time table using MS-Word.
4. Create a PowerPoint about your course planner to apply designs options.
5. Create a power point about your college to apply custom animation
6. Students marks table to find total, average, result using MS-Excel.
7. Mobile usage table to apply pie chart using MS-Excel
8. Create a student's Marks table to apply Filter option
9. Create a student's Marks table to apply Sort Option.
10. Create a Broacher for your Department Function in Photoshop.
11. Design a Passport photo in Photoshop.
12. Create Cover page for text book in Photoshop.
13. Design the Invitation for your family function.
14. Design the advertisement for any one product.
15. Design the poster for intercollegiate meet.
16. Design the flex for your college day.

Course Outcomes

CO1: Work with the basic features of MS-Word

CO2: Understand the mathematical function and filter, sort option

CO3: Design the MS-PowerPoint.

CO4: Understand and develop the photo Editing

Mapping

	PSO1	PSO2	PSO3	PSO4
CO1	×			
CO2		×		
CO3			×	
CO4				×

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

PROGRAMMING IN C

Class	: I-B.Sc (Physics, Chemistry)	Semester :	II
Duration	: 15 hrs	Credit	: 1
Subject Code	: 19USB22		

Program Specific Objectives (PSO)

The course enables the students to

PSO1: Learn the fundamentals and basics of C Language.

PSO2: Illustrate the types of Operators.

PSO3: Define the Input and Output Statements.

PSO4: Explain the Control Structures.

PSO5: Explain the Arrays.

Unit 1: **(3 Hours)**

Introduction – Importance of C – Programming Style – Keywords and Identifiers – Variables – Declarations of Variables – Assigning value to Variables – Data Types.

Unit 2: **(3 Hours)**

Operators and Expressions: Arithmetic – Relational – Logical – Assignment - Increment and Decrement – Bitwise – Conditional - Special Operators.

Unit 3: **(3 Hours)**

Precedence and Associativity - Formatted input (scanf) and Formatted output (printf).

Unit 4: **(3 Hours)**

Control Structure: Decision making Statements – Looping Statements.

Unit 5: **(3 Hours)**

Arrays: One dimensional and Two dimensional arrays.

Book for Reading

1. Balagurusamy.E. 2017, Programming in C, Tata McGraw Hill, New Delhi.
Unit-I:1.1-1.8,2.2-2.7 Unit-II: 3.2-3.8 Unit-III:5.1-5.6
Unit- V: 6.1-6.6 Unit-V: 7.1-7.9, 9.1-9.12

Books for Reference

1. Kanetkar Yashwant, Understanding C Pointers, BPB Publication, New Delhi
2. Ritchie, Dennis and Kernighan, Brain W. The C Programming Language,PHI.
3. Ravichandran D. Edition, Programming in C, New Age International (P) Ltd Publishers.

Teaching Methods

- Lecturing
- PPT's
- Learning by Doing

Course Outcomes (CO)

CO1: Obtain the knowledge about the program in C and data types.

CO2: Able to understand the operators.

CO3: Able to understand the Input and Output Statements.

CO4: Develop programs using the control Structures.

CO5: Able to understand and develop the Arrays.

Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	×				
CO2		×			
CO3			×		
CO4				×	
CO5					×

PROGRAMMING IN C - Lab

Class : I-B.Sc (Physics, Chemistry) Semester: II

Duration : 30 hrs Credit : 1

Subject Code : 19USBP22

Program Specific Objectives (PSO)

PSO1: To use the Input and Output Statements.

PSO2: To use the operators.

PSO3: To apply the Conditional statements.

PSO4: To understand the Control statements.

PSO5: To use array data type in single and two dimensional programs.

1. Write a C Program to perform Arithmetical Expression
2. Write a C Program to Find Area of Circle.
3. Write a C Program to find Leap Year or Not Using If-Else
4. Write a C Program to find a Biggest Number Using Nested If
5. Write a C Program to display the N Numbers using 'For' Loop
6. Write a C Program to Find a Factorial Value.
7. Write a C Program to display Multiplication Table.
8. Write a C Program to Find a Sum of Digit Using 'While' Loop
9. Write a C Program to Find a Reverse Number Using 'While' Loop.
10. Write a C Program Display N Numbers Using Do-While
11. Write a C Program to find Armstrong Number or Not.
12. Write a C Program to Display the Weekdays Using Switch Case
13. Write a C Program to perform Arithmetical Expression Using Switch Case.
14. Write a C Program to display the Matrix value using Single Dimensional Array.
15. Write a C Program to calculate Matrix Addition Using Array.

Course Outcomes

CO1: Able to understand the Input and Output Statements.

CO2: Able to understand the operators.

CO3:. Develop programs using the conditional statements.

CO4: Develop programs using the control statements.

CO5: Able to understand and develop the Arrays.

Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	×				
CO2		×			
CO3			×		
CO4				×	
CO5					×

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

INTERNET AND WEB DESIGN

Class	: I B.Sc (Phy.Edu)	Semester :	II
Duration	: 15 hrs	Credit :	1
Subject Code	: 19USYE22		

Program Specific Objectives (PSO)

The course enables the students to

- PSO1:** Explain the Network and Topology.
- PSO2:** Asses the Mailing Service.
- PSO3:** Learn the basics of the HTML Programming.
- PSO4:** Learn how to link pages so that they create a Web site.
- PSO5:** Create the Tables, Forms and Frames.

Unit 1: **(3 Hours)**

Network: Types of Network - Topology - Internet - Intranet – World Wide Web – Web Browsers and Web Servers.

Unit 2: **(3 Hours)**

Introduction to HTML: Structure of HTML – Heading Level Tags – Creating Paragraph and Line Break – Formatting Tags.

Unit 3: **(3 Hours)**

Comment – Colors – Font – Nested Tags - Images – Marquee.

Unit 4: **(3 Hours)**

List: Ordered List – Unordered List – Definition List. HyperLink

Unit 5: **(3 Hours)**

Table: Inserting Rows and Columns – Table Attributes - Frames – Forms.

Book for Reading:

1. C. Xavier, World Wide Web Design with HTML, 2007, Tata McGraw Hill, New Delhi.

Book for Reference:

1. Deitel, Edition 3, Internet and World Wide Web How to program. Publisher: Prentice Hall

Teaching Method

- Lecturing
- ICT
- Learning by Doing

Course Outcomes

CO1: Discuss the concept of Networking.

CO2: Learn to access the E-Mail.

CO3: Understand the basic of HTML program.

CO4: Apply the List and Hyperlink in a program.

CO5: Design the Tables, Forms and Frames.

Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	×				
CO2		×			
CO3			×		
CO4				×	
CO5					×

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
INTERNET AND WEB DESIGN - LAB

Class : I B.Sc (Phy.Edu)

Duration : 30 hrs

Subject Code : 19USYP22

Semester : II

Credit : 1

Program Specific Objectives (PSO)

PSO1: Use the Font Formatting Tags in HTML Program.

PSO2: Use the List tags in HTML Program.

PSO3: Apply Marquee tag in HTML Program.

PSO4: Learn how to link pages so that they create a Web site.

PSO5: Understand the Tables, Forms and Frames

List of Programs

1. Write a HTML Program using Heading Level Tags.
2. Write a HTML Program using Font Formatting Tag.
3. Write a HTML Program using Ordered List Tags.
4. Write a HTML Program using Unordered List Tag.
5. Write a HTML Program to design the Advertisement using Marquee Tag.
6. Write a HTML Program using Hyper Link.
7. Write a HTML Program using Definition List Tags.
8. Write a HTML Program using Image Tag.
9. Write a HTML Program for Time Table using Table Tags.
10. Write a HTML Program to display your Bio-Data using Table tag.
11. Write a HTML Program for Students Marks Table Using Table Tags.
12. Write a HTML Program for Application Form using Form Tag.
13. Write a HTML Program using Frameset Tag.
14. Write a HTML Program to Course details using Frame with Hyperlink.
15. Write a HTML Program to design the College Website.

Course Outcomes

CO1: Learn the Font Formatting tags

CO2: Learn the List tags.

CO3: Understand the Marquee tag.

CO4: Apply the List and Hyperlink in a program.

CO5: Design the Tables, Forms and Frames.

Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	×				
CO2		×			
CO3			×		
CO4				×	
CO5					×

ARUL ANANDAR COLLEGE (AUTONOMOUS)- KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

FUNDAMENTALS OF COMPUTER, INTERNET AND OFFICE AUTOMATION

Class	: II-B.Sc (Maths, Maths-SF, FST, RDS)	Semester:	III
Class	: III-B.A. (His, Eco, Phi, Eng, Tam)	Semester:	V
Duration	: 15 hrs	Credit	: 1
Subject Code	: 19USB13/19USB213/19USB215		

Course Educational Objectives (CEO)

The course enables the students to

CEO1: Know about the computer Hardware and Software

CEO2: Identify the Font, Paragraph and Page Formatting options.

CEO3: Understand the basics of MS-Excel.

CEO4: Learn to Design the attractive PowerPoint presentation

CEO5: Understand the internet conception.

Unit 1: Computer Fundamentals (3 Hours)

Introduction to Computers: Definition – Characteristics – Building blocks of Computer-- Input Devices - Output Devices – Processor – Storage. Software: System software and Application software - Windows Operating System.

Unit 2: Ms Word (3 Hours)

Introduction to Ms-Word – Microsoft Office Button – Ribbon – **Home menu:** Clipboard– Font – Paragraph -**Insert menu:** Tables-Illustrations-Header & Footer. **Page layout:** Themes- Page setup- Page Background- Paragraph

Unit 3: Ms Excel (3Hours)

Introduction to Excel -**Home menu:** Clipboard- Alignment –Number – Sort& Filter-**Insert menu-** Tables- Illustrations-Charts-Links-Text- **Page Layout**-Themes.

Unit 4: PowerPoint (3 Hours)

Introduction to PowerPoint -**Home Menu**-Slide-Font-Paragraph. **Insert Menu:** Tables-Illustrations-Links-Text-Media clips. **Design Menu:** Pagesetup-Themes- Background .**Animation-** Custom Animation-Transition.

Unit 5: Internet (3 Hours)

Internet – Intranet – World Wide Web – Web Browsers and Web servers – hyperlinks – URL. E-Mail – Service Provider by E-Mail – Works of E-Mail – Sending & receiving the E-Mail – Search Engine – Web Directories.

Books for Study:

1. Rozera M.S., Deepak Rohilla, “Computer Fundamentals”, First edition 2008. (Unit I)
2. Vikas Gupta, “Comdex Computer Course Kit “windows XP with office 2010, edition 2010. (Unit II, III, IV)
3. C. Xavier, World Wide Web Design with HTML, 2006, Tata McGraw Hill, New

Book for Reference:

1. Peter Naren, "Introduction to Computers", Sixth Edition, Mc Graw Hill, 2009.

Teaching Methods

- Lecturing
- ICT
- Learning by Doing

Course Outcome (CO):

On successful completion of the course the students able to

CO1: Understand the computer peripherals and software. (K2)

CO2: Work with the basic features of MS-Word. (K3)

CO3: Exercise to apply sort and filter. (K3)

CO4: Design the PowerPoint and apply the animation. (K3)

CO5: Able to understand internet technologies. (K2)

K1=Remember, K2= Understand, K3 = Apply, K4 =Analyze, K5 =Evaluate, K6 = Create

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	1	-	-	1	1	1	-	1	-	-	1	1
CO2	3	2	-	-	1	2	1	-	1	-	-	1	1
CO3	3	2	-	-	1	2	1	-	1	-	-	1	1
CO4	3	2	-	-	1	2	1	-	1	-	-	1	1
CO5	3	2	-	-	2	1	1	-	2	1	2	1	1

ARUL ANANDAR COLLEGE (AUTONOMOUS)- KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
FUNDAMENTALS OF COMPUTER, INTERNET AND
OFFICE AUTOMATION-LAB

Class	: II-B.Sc (Maths, Maths-SF, FST, RDS)	Semester:	III
Class	: III-B.A. (His, Eco, Phi, Eng, Tam)	Semester:	V
Duration	: 30 hrs	Credit	: 1

Subject Code : 19USBP13/19USBY13/19USBY15

Course Educational Objectives (CEO)

CEO1: Learn the home menu and insert options.

CEO2: Get a clear understanding of mathematical function and chart, filter, sort option.

CEO3: Design the Animation in PowerPoint.

CEO4: Understand the e-mail concept.

LAB CYCLE

1. Create your Bio Data using MS-Word.
2. Create a word to apply font formatting option using MS-Word.
3. Create a paragraph to apply paragraph option using MS-Word.
4. Students time table using MS-Word.
5. Insert options (picture, word art, drop cap, text box,) using MS-Word.
6. Create a letter to send 10 members using Mail Merge.
7. Students marks table to find total, average, result using MS-Excel.
8. Mobile usage table to apply pie chart using MS-Excel
9. Create a student's Marks table to apply Filter option
10. Create a student's Marks table to apply Sort Option.
11. Find the employee payroll process in MS-Excel.
12. Create a PowerPoint about your course planner to apply designs options.
13. Create a power point about your college to apply custom animation
14. Create a PowerPoint about your college function invitation to apply transition.
15. Create a PowerPoint product advertisement.
16. Create E-Mail, sending and receiving the message.

Course Outcomes

CO1: Identify the basic features of MS-Word. (K4)

CO2: Assess the mathematical function and filter, sort option. (K5)

CO3: Develop to design the Templates in PowerPoint. (K6)

CO4: Able to utilize the E-mail process. (K4)

K1=Remember, K2= Understand, K3 = Apply, K4 =Analyze, K5 =Evaluate, K6 = Create

Mapping

Objectives Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level*	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level*
CO1						L									L
CO2						M									M
CO3						M									M
CO4						S									S
CO5						S									S

S-Strong; M-Medium; L-Low

ARUL ANANDAR COLLEGE (AUTONOMOUS), KARUMATHUR
DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
PROGRAMMING IN C

Class : II-B.Sc (Maths, Maths (SF)) Semester : IV

Duration : 15 hrs Credit : 1

Subject Code : 19USB24

Course Educational Objectives (CEO)

The course enables the students to

CEO1: Understand the basic concepts like the Keywords, Identifiers and Variable declaration.

CEO2: Import the knowledge on types of Operators.

CEO3: Identify the Input and Output Statements.

CEO4: Apply the knowledge of logical thinking..

CEO5: Understand the programming concepts in arrays.

Unit 1: (3 Hours)

Introduction – Importance of C – Programming Style – Keywords and Identifiers – Variables – Declarations of Variables – Assigning value to Variables – Data Types.

Unit 2: (3 Hours)

Operators and Expressions: Arithmetic – Relational – Logical – Assignment - Increment and Decrement – Bitwise – Conditional - Special Operators- Precedence and Associativity .

Unit 3: (3 Hours)

I/O Statements- Formatted input and Formatted output statements.

Unit 4: (3 Hours)

Control Structure: Decision making Statements – Looping Statements.

Unit 5: (3 Hours)

Arrays: One dimensional and Two dimensional arrays.

Book for Study

Balagurusamy.E. 2017, Programming in C, Tata McGraw Hill, New Delhi.

Unit-I:1.1-1.8,2.2-2.7 Unit-II: 3.2-3.8 Unit-III:5.1-5.6

Unit- V: 6.1-6.6 Unit-V: 7.1-7.9, 9.1-9.12

Books for Reference

1. Kanetkar Yashwant, Understanding C Pointers, BPB Publication, New Delhi
2. Ritchie, Dennis and Kernighan, Brian W. The C Programming Language, PHI.
3. Ravichandran D. Edition, Programming in C, New Age International (P) Ltd Publishers.

Teaching Methods

- Lecturing
- PPT's
- Learning by Doing

Course Outcomes (CO)

CO1: Obtain the knowledge about basics of programming. (K2)

CO2: Able to use the different kind of operators in programs. (K3)

CO3: Apply the Input and Output Statements in programs. (K3)

CO4: Analyze the Control Structures in programs. (K4)

CO5: Recognize the usage different types of Arrays in programming. (K2)

K1=Remember, k2= Understand , K3 = Apply, K4 =Analyze , K5 =Evaluate, K6 = Create

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	-	-	1	1	1	-	2	1	-	-	1
CO2	3	2	-	-	-	-	-	-	1	-	-	-	1
CO3	3	2	-	-	1	1	-	-	1	-	-	-	1
CO4	3	2	-	-	1	1	1	-	1	1	-	-	1
CO5	3	2	-	-	1	-	-	-	1	-	-	-	1

PROGRAMMING IN C - Lab

Class : II-B.Sc (Maths, Maths (SF)) Semester: IV

Duration : 30 hrs Credit : 1

Subject Code : 19USBP24

Course Educational Objectives (CEO)

CEO1: Learn the Input and Output Statements.

CEO2: Identify the different kinds of operators.

CEO3: Import the knowledge on Conditional statements.

CEO4: Understand the Control statements.

CEO5: Study the array data type in single and two dimensional programs.

1. Write a C Program to perform Arithmetical Expression
2. Write a C Program to Find Area of Circle.
3. Write a C Program to find Leap Year or Not Using If-Else
4. Write a C Program to find a Biggest Number Using Nested If
5. Write a C Program to display the N Numbers using 'For' Loop
6. Write a C Program to Find a Factorial Value.
7. Write a C Program to display Multiplication Table.
8. Write a C Program to Find a Sum of Digit Using 'While' Loop
9. Write a C Program to Find a Reverse Number Using 'While' Loop.
10. Write a C Program Display N Numbers Using Do-While
11. Write a C Program to find Armstrong Number or Not.
12. Write a C Program to Display the Weekdays Using Switch Case
13. Write a C Program to perform Arithmetical Expression Using Switch Case.
14. Write a C Program to display the Matrix value using Single Dimensional Array.
15. Write a C Program to calculate Matrix Addition Using Array.

Course Outcomes

CO1: Able to understand the Input and Output Statements. (K2)

CO2: Distinguish the different types of operators. (K4)

CO3: Utilize the conditional statements in programs (K4)

CO4: Use the control statements in programs. (K3)

CO5: Able to develop the program using Arrays. (K6)

K1=Remember, K2= Understand, K3 = Apply, K4 =Analyze, K5 =Evaluate, K6 = Create

Mapping

Objectives Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level*	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level*
CO1						L									L
CO2						M									M
CO3						M									M
CO4						S									S
CO5						S									S

S-Strong; M-Medium; L-Low

ARUL ANANDAR COLLEGE (AUTONOMOUS)- KARUMATHUR

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

Class	: II-B.Sc (FST,RDS)	Semester:	IV
Class	: III-B.A (His, Eco, Phi, Eng, Tam)	Semester:	VI
Duration	: 15 hrs	Credit	: 1
Subject Code	: 19USB34/19USB24/19USB26		

WEB DESIGN

Course Educational Objectives (CEO)

The course enables the students to

CEO1: Learn the basics of the HTML Programming.

CEO2: Study how to link pages so that they create a Web site.

CEO3: Manipulate the attributes of Tables, Forms and Frames

CEO4: Study the basics of the Photoshop.

CEO5: Understand the working principle of simple animation.

Unit 1: (3 Hours)

Introduction to HTML – title –document tags – fonts – background –heading level tags – creating paragraph and line break.

Unit 2: (3 Hours)

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

Unit 3: (3 Hours)

Tables – Rows – Columns – Cell columns – centering table. Frames – Creating two row frames – Forms.

Unit 4: (3 Hours)

Introduction to Photoshop- – images basics – file formats – GIF, JPEG, PNG, PSG - color palette – layers – creating new images – brushes – grids and guides – scaling and positioning images -tool palette.

Unit 5: (3 Hours)

Introduction to Flash – working with layers – working with movies – drawing tools – color selection – symbols – Flash buttons – Flash menu –smart clip.

Books for Study:

1. C. Xavier, World Wide Web Design with HTML, 2006, Tata McGraw Hill, New Delhi. (Unit I,II,III)
2. Richard Schrand. 2000, Photoshop 6 visual Jumbstrat Adobe press. (Unit IV).
3. James L. Mohles.2000, Flash 5.0 graphics, Animation & Interaction, Macromedia (Unit - V)

Books for Reference:

1. Deitel , Edition 3, 2003, Internet and World Wide Web How to program Prentice Hall.
2. Robert Reinhardt, Jon Warren Lentz. 2001, Flash 5 Bible, Hungry Minds Inc.
3. Meenakshi GM.2007, web Graphics, SCITECH Publication.

Teaching Method

- Lecturing
- ICT
- Learning by Doing

Course Outcomes

CO1: Create simple static web page. (K6)

CO2: Create linked pages in a webpage (K3)

CO3: Make the Tables, Forms and Frames. (K6)

CO4: Apply the proper color using color palette and tool palette. (K3)

CO5: Create simple animation (K6).

K1=Remember, k2= Understand, K3 = Apply, K4 =Analyze , K5 =Evaluate, K6 = Create

Mapping

Objectives Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level*	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level*
CO1						L									L
CO2						M									M
CO3						M									M
CO4						S									S
CO5						S									S

S-Strong; M-Medium; L-Low

ARUL ANANDAR COLLEGE (AUTONOMOUS)- KARUMATHUR

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

Class : II-B.Sc (FST, RDS) Semester: IV

Class : III-B.A (His, Eco, Phi, Eng, Tam) Semester: VI

Duration : 30 hrs Credit : 1

Subject Code : 19USBP34/19USBY24/19USBY26

WEB DESIGN-LAB

Course Educational Objectives (CEO)

CEO1: Impart the knowledge on Font Formatting Tags in HTML Program.

CEO2: Learn the List of tags in HTML Program.

CEO3: Study the Marquee tag in HTML Program.

CEO4: Provide the Photoshop tools in images.

CEO5: Understand the Flash Concepts.

1. Write a HTML Program using Heading Level Tags.
2. Write a HTML Program using Font Formatting Tag.
3. Write a HTML Program using Ordered List Tags.
4. Write a HTML Program using Unordered List Tags.
5. Write a HTML Program using Hyper Link.
6. Write a HTML Program using Definition List Tags.
7. Write a HTML Program using Image Tag.
8. Write a HTML Program using Table Tags.
9. Write a HTML Program using Form Tag.
10. Write a HTML Program using Frameset Tag.
11. Create a Broacher for your Department Function in Photoshop.
12. Design a Passport photo in Photoshop.
13. Create Cover page for text book in Photoshop.
14. Perform motion tweening operation using flash.
15. Change A Circle Into A Square Using Flash

Course Outcomes

CO1: Apply the Font Formatting tags in programs. (K3)

CO2: Classify the List of tags. (K4)

CO3: Acquire the knowledge on Marquee tag. (K2)

CO4: Compare the different types of photo images (K5)

CO5: Explain the basics of Flash (K2)

K1=Remember, k2= Understand, K3 = Apply, K4 =Analyze , K5 =Evaluate, K6 = Create

Mapping

Objectives Outcome	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	Level*	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Level*
CO1						L									L
CO2						M									M
CO3						M									M
CO4						S									S
CO5						S									S

S-Strong; M-Medium; L-Low