Advanced Diploma in Computer Applications with Arabic (ADCAA)

(One Year Course)

SEM	COURSE CODE	COURSE TITLE	Ins. Hrs / Week	CREDIT	MARKS		TOTAL
					CIA	ESE	
I	20ADCAA1	Basic Computer and IT	3	3	25	75	100
	20ADCAA2P	Basic Computer and IT - Practical	3	3	25	75	100
	20ADCAA3P	Type Writing in Arabic - Practical	3	3	25	75	100
	20ADCAA4P	Basic Internet - Practical	3	3	25	75	100
		Total	**12**	**12**	**100**	**300**	**400**
II	20ADCAA5	Computer Hardware	3	3	25	75	100
	20ADCAA6P	Computer Hardware - Practical	3	3	25	75	100
	20ADCAA7P	MS Office with Arabic - Practical	3	3	25	75	100
	20ADCAA8P	Corel Draw, Page Maker and Photoshop - Practical	3	3	25	75	100
	20ADCAA9P	Basic Web Page Creation - Practical	3	3	25	75	100
		Total	**15**	**15**	**125**	**375**	**500**
		Grand Total	**27**	**27**	**225**	**675**	**900**

Eligibility: Final year UG Students with Arabic as Part - I Language.

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
I	20ADCAA1CC1	Core- I	**Basic Computer and IT**	3	3	100	25	75

Course Outcomes:

By end of the course the student will be able to:

1. Learn Computer terms and terminologies in Arabic.
2. Aims to familiarize with computers and Microsoft Windows.
3. Learn role of Operating Systems, programs and apps.
4. Ability to learn computer networks and its communications.
5. Ability to learn computer skills for professional purposes in the future.

UNIT I   **9 Hours**

Arabic Computer Terminology. Page no: (154 to 155)

UNIT II   **9 Hours**

INTRODUCTION TO COMPUTER SYSTEMS: # Introduction to Computers – Classification of Digital Computer Systems # – Anatomy of a Digital computer: Functions of a computer-CPU-memory – Memory Units.

UNIT III   **9 Hours**

COMPUTER SOFTWARE AND SOFTWARE DEVELOPMENT: Introduction to Computer Software. **Operating System**: Introduction – Function of Operating System – Classification of OS.

UNIT IV   **9 Hours**

TELECOMMUNICATION: **Computer Networks**: Overview of a Network – Communication Media – Types of Networks – Network Topologies – Network Protocols – Network Architecture.

UNIT V   **9 Hours**

#MS WORD: Starting Word – Creating Documents – Parts of Word Window – Mouse Operation - Keyboard Operation – The Most Important Keys – Menus – commands – toolbars and their Icons.

MS POWERPOINT: Introduction – Menus – Toolbars – Navigating in PowerPoint – Working with PowerPoint. #

Text Books:
T.B-1 Unit 1: Dr.S.K.Bahmani, Easy Steps to Functional Arabic, Alif Books & Prints, 2012.
T.B-2 Unit 2 to 4: Alexis Leon and Mathews Leon, Fundamentals of IT, illustrated, Leon
        Techworld, 2000.
T.B-3 Unit 5: Singh Vishnu P., Simplified Ms Office 2007, Asian Publishers/Computech
        Publications Pvt Ltd, 2014.

Book for Reference:

1. B.Ram, Computer Fundamentals (Architecture and Organization), New Age International Pvt
  Ltd., 3rd Edition, 2005.
2. Sanjay Saxena, Introduction to Information Technology,Vikas Publishing,2010.

Web Reference:
1.https://www.msuniv.ac.in/images/e-
content/6.Computer%20%20Fundamentals%20and%20Office%20Automation.pdf

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√		√			√	√	√		
CO 2	√	√	√		√	√	√	√		√
CO 3	√	√	√		√	√	√	√	√	√
CO 4	√	√	√	√	√	√		√	√	√
CO 5	√		√	√	√	√		√		√
Number of Matches = 38					Relationship: 76% - High					

Prepared by: Checked by:
  1. Dr.S.Shamim Ansari   1. Mr.A.Yasar Arabath
  2. Mr.M.Mohamed Abdur Rawoof

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
I	20ADCAA1CC2P	Core- II	Basic Computer and IT – Practical	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Acknowledge the computer operation and its applications.

2. Develop creativity, innovative methods in MS Word.

3. Develop the student to use the computer system like professionalism.

4. Ability to use MS Word and its application.

5. Develop presentation skills in MS-Power point.

MS WORD

1. (i) Prepare a Letter with correct alignment.

   (ii) Prepare a Resume.

   (iii) Prepare a document in newspaper format.

   (iv) Prepare a document with bullets, Headers and Footers.

2. (i) Create a Mark Sheet using table and find out the total marks.

   (ii) Prepare a Greeting Card.

   (iii) Prepare a Marriage Invitation.

   (iv) Prepare a Handout.

3. Creation of Documents using template creation of template

   (i) Prepare a letter using any Template.

4. Mail Merge Concept

   (i) Prepare a business letter for more than one company using mail merge.

5. Copying text and Pictures from excel

   (i) Draw a chart in excel and paste it on word.

MS POWER POINT

6. Creating Presentation using Blank Presentation.

7. Creating Presentation using Auto Content Wizard.

8. Customizing background of slide master.

9. Working with Graph and Objects.

10. Slide transition and animation.

11. Usage of Design templates.

MS PAINT

12. (i) Editing a Image.

(ii) Create a new Picture with paint tool bars.

Text Books:

T.B-1 Singh Vishnu P., Simplified Ms Office 2007, Asian Publishers/Computech Publications Pvt Ltd., 2014.

Book for Reference:

1. Kumar Bittu, Mastering MS Office, V&S Publishers, Kindle Edition, 2017**.**

Web Reference:

1. https://support.microsoft.com/en-us/office/word-for-windows-training-7bcd85e6-2c3d-4c3c-a2a5-5ed8847eae73?wt.mc_id=otc_home

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√	√	√	√	√	√	√	√	√
CO 2	√	√				√		√		
CO 3	√	√				√	√			√
CO 4	√		√	√	√		√	√	√	
CO 5	√	√	√		√	√		√		√
Number of Matches = 32					Relationship: 64% - Moderate					

Prepared by: Checked by:

1. **Dr. R. Sheik Farid Oliyullah**   1. Mr.A.Yasar Arabath
2. **Dr. A. Mohamed Arif**

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
I	20ADCAA1CC3P	Core- III	Type Writing in Arabic – Practical	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Acknowledge the fundamental principles of Arabic keys and strokes.

2. Acquires the knowledge of shift keys for typing Arabic.

3. Ability to type Arabic words.

4. Apply to type simple Arabic sentences.

5. Develops the skills to type Arabic paragraph for job opportunity.

Section A

1) Type a given simple passage without any mistakes within 30 minutes - **40 marks**

Section B

2) Type a letter without omitting any structure and words within 20 minutes - **35 marks**

Text Books:

T.B-1 Dr.Haneef Palliyath, Secretarial Practice in Arabic,by Al-Huda Book Stall, Calicut,

Kerala.Third Revised Edition, 2003.

Book for Reference:

1. Dr.K.Mujeeb Rahman, Arabic Typing, Modern Book House, Royapettah, Chennai-14.

Web Reference:

1. https://www.techwalla.com/articles/how-to-write-arabic-in-ms-word

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√		√	√	√	√	√		
CO 2	√	√	√	√	√	√	√		√	√
CO 3	√		√	√		√		√	√	√
CO 4	√	√	√	√		√		√		√
CO 5	√	√		√		√		√		√
Number of Matches = 37					Relationship: 74% - High					

Prepared by: Checked by:

1. Dr. M. Jaffar Sadiq   1. Dr.A.Mohamed Ismail
2. Mr.J.Ayadhu

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
I	20ADCAA1CC4P	Core-IV	Basic Internet - Practical	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Comprehend basic knowledge of web browser and Internet.

2. Develop the skill to use internet application and its uses.

3. Ability to communicate with others by using internet techniques.

4. Acquire the skill of image conversion techniques, file format and comparison of basic tricks.

5. Applies the E-Learn & E-Forms on the internet.

1. Internet Access /Dial-Up-Connection.

2. Web Browsers:

   I . Popular Web browsers

   II. Downloading Web Pages

3. Creating a Mail ID

4. Email:

   I. Creating a Mail

   II. Sending a Mail

   III. Replying a Mail

   IV. Sorting and Searching a Mail

5. Downloading and Uploading Files

6. Signing up an Account

7. E-booking, E-Banking, E-Marketing

8. Online Registration of an Application

9. Basic Internet Application

   I. Image Conversion

   II. File format changes through online.

   III. File compression techniques through online internet application.

10. E – Learning.

Text Books:

T.B-1 Alexis Leon and Mathews Leon, Internet for Everyone. Vikas Publications, House Pvt. Ltd., 2nd Edition.

Book for Reference:

1. Bedi D. S., Internet and Web Technology, Khanna Books Publication, 5th Revised Edition, 2013.

Web Reference:

1. https://edu.gcfglobal.org/en/internetbasics/

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√		√	√	√	√		√		√
CO 2	√	√			√	√	√	√	√	√
CO 3	√	√			√	√		√	√	
CO 4		√		√	√	√	√	√		√
CO 5	√			√	√	√	√			√
Number of Matches = 34					Relationship: 68% - Moderate				

Prepared by: Checked by:

1. Mr.A.Ahamed Shahul Hameed   1. Mr.A.Yasar Arabath
2. Mr.M.Abdul Basith

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
II	20ADCAA2CC5	Core- V	**Computer Hardware**	3	3	100	25	75

Course Outcomes:

By end of the course the student will be able to:

1. Comprehend Arabic terminology of Computer hardware.

2. Acquire the knowledge of computer Mother Board, Memory, Storage devices.

3. Distinguish computer Input & output components and its functions.

4. Handle the Personal Computer Assembling.

5. Develop the skill of Software Installation.

UNIT I 9 Hours

ARABIC TERMINOLOGY: Arabic Terminology related to computer.

UNIT II 9 Hours
        Basic Electronics: Resistor, Capacitor, Transistor, Transformer, Inductance,
PC Architecture: The Case – The Power Supply, The Motherboard: Types, Components – The
Memory - RAM- Storage Devices, Display Devices: Display concept, video technologies.

UNIT III 9 Hours
        # Input/output Hardware : Keyboard - Keyboard Types - Mouse - Mouse Types # -
Scanners - Digital Camera - Printers - Printer Types - Hard Disk Drive - Floppy Disk Drive -
CD-ROM Drive - DVD-Drive - CPU Panel.

UNIT IV 9 Hours
        Assembling - Common Faults in assembling – Operating System - OS Installation - Dual
Os Installation. Device Configuration - Onboard Devices, Internal Devices, External Devices-
BIOS Setup.

UNIT V 9 Hours
        Dual OS Installation-Software Installation - Ms Office, Java, Turbo C/C++ etc.,
        - Hardware trouble shooting, OS repair.

Text Books:
 T.B-1. V.P.Abdul Hameed & N.K Abdul Haleem, Commercial Arabic, Arabic Computer terms only (Page No: 162-164).
 T.B-2. David Groth-Sybex, A+ Complete study Guide, Third Edition,2003.
 T.B-3. Manahar Lotia, Pradeep Nair, Payal Lotia, Modern Computer Hardware, BPB Publication,
        Updated & Revised Edition,2006.

Book for Reference:

1. N. Mathivanan, Microprocessors, PC Hardware and Interfacing, PHI Learning Pvt.
    Ltd., reprint, 2003.

Web Reference:

1. https://turbofuture.com/computers/Computer-Basics-Examples-of-Hardware

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√		√			√	√	√		
CO 2	√	√	√		√	√	√	√		√
CO 3	√	√	√		√	√	√	√	√	√
CO 4	√	√	√	√	√	√			√	√
CO 5	√		√	√	√	√		√		√
Number of Matches = 38					Relationship: 76% - High					

 Prepared by: Checked by:

 1. Mr.R.Mohamed Abu Backar Sidhik   1. Mr.A.Yasar Arabath
 2. Mr.S.Mohamed Saibullah

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
II	20ADCAA2CC6P	Core-VI	**Computer Hardware– Practical**	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Acquire the knowledge about principle and function of the Computer.

2. Identify the names and distinguish different kinds of the input devices.

3. Apply the skill of Assembling the PC.

4. Develop the skill of OS & Software Installation.

5. Identify the hardware Trouble shootings and solutions.

PC ASSEMBLING AND TROUBLESHOOTING LAB

1. Identification of basic electronics components.

2. Power supply functions and operations.

3. Identification and function of Motherboards, CPUs and RAMs.

4. Identification and function of Storage Devices (FDD, SCSI-HDD, CD-ROM and DVD)

5. Identification and function of adapter cards (video, sound, Ethernet, Modem)

6. Identification and function of Ports and Cables.

7. Identification and function of input and output devices (Keyboard, Mouse, Monitor, Printer).

8. Assembling a PC

   - Gathering Parts
   - Installing the Motherboard
   - Installing the Power supply
   - Installing Storage Devices
   - Installing Expansion cards
   - Installing other external Peripherals
   - Connecting the Power, Testing and Configuring CMOS
   - Installing Network / Modem Connections
   - Installing Speakers / Headphones

9. Removing and replacing the components

10. Installing the Operating System (DOS, Windows 98, Windows 2000, Windows-XP)

11. Upgrading PC Components.

12. Hardware Troubleshooting

- POST Routines
- BIOS Problems
- Power supply Problems
- Motherboard Problems
- Hard disk Problems
- Keyboard and Mouse Problems
- Monitor Problems
- Floppy Drive Problems
- Sound Card Problems
- Printer Problems
- Other Peripheral Problems

13. Software Troubleshooting (DOS, Windows)

Text Books:
T.B-1. David Groth-Sybex, A+ Complete study Guide, Third Edition, 2003.   .
T.B-2. Manahar Lotia, Pradeep Nair, Payal Lotia, Modern Computer Hardware, BPB Publication,
        Updated & Revised Edition, 2006.

Book for Reference:
1. Stephen J. Bigelow, Troubleshooting, Maintaining and Repairing PCs, Osborne/McGraw-Hill,
5th Edition, 2001.

Web Reference:
1. https://turbofuture.com/computers/Computer-Basics-Examples-of-Hardware

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√	√	√	√	√	√		√	√
CO 2	√	√		√	√	√		√	√	√
CO 3	√	√	√	√	√	√	√		√	√
CO 4	√					√				
CO 5	√			√	√	√		√	√	√
Number of Matches = 35						Relationship: 70% - High				

   Prepared by: Checked by:

1. Mr.R.Mohamed Abu Backar Sidhik   1. Mr.A.Yasar Arabath
2. Mr.S.Mohamed Saibullah

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
II	20ADCAA2CC7P	Core- VII	**MS Office with Arabic – Practical**	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Ability to use MS Word and its application in Arabic documentation format.
2. Develop creativity, innovative methods in MS Word by using Arabic alignments.
3. Develop presentation skills in MS-Power point by Arabic format.
4. Apply the computer operator functions and its applications in Arabic.
5. Develop the student to use the computer system like professionalism.

Notepad With Arabic

1.   (i) Create a document in notepad and format it

      (ii) Find and Replace the text

MS-Word With Arabic

2. (i) Prepare a Letter with correct alignment

   (ii) Prepare a Resume

   (iii) Prepare a document in newspaper format

   (iv) Prepare a document with bullets, Headers and Footers

3. (i) Create a Mark Sheet using table and find out the total marks

   (ii) Prepare a Greeting Card

4. Creation of Documents using template creation of template

   (i) Prepare a letter using any Template

5. Mail Merge Concept

  (i) Prepare a business letter for more than one company using mail merge

6. Copying text and Pictures from excel

  (i) Draw a chart in excel and paste it on word

MS-Excel With Arabic

7. (i) Usage of formulae and built -in functions

(ii) Data sorting- Ascending and Descending

(iii) Worksheet –preparation

8.(i)Mark list Preparation for a Student

(ii)Individual Pay Bill Preparation

(iii)Electricity Bill Preparation

(iv)Inventory Report Preparation

(v)Invoice Report Preparation

9.(i)Drawing Graphs

MS-PowerPoint with Arabic

10. (i)Creating Presentation using Blank Presentation

(ii)Creating Presentation using Auto Content Wizard

(iii) Customizing background of slide master

11.(i)Working with Graph and Objects

(ii) Slide transition and animation

(iii)Usage of Design templates

MS-ACCESS With Arabic

12. Creating and updating a data base

Text Books:

T.B-1 1.Dr.Haneef Palliyath, Secretarial Practice in Arabic,by Al-Huda Book Stall, Calicut, Kerala.Third Revised Edition,2003.

Book for Reference:

1. Kumar Bittu, Mastering MS Office, V&S Publishers, Kindle Edition, 2017**.**

Web Reference:

1. https://study.com/academy/lesson/what-is-computer-hardware-components-definition-examples.html

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√	√	√	√	√	√	√	√	√
CO 2	√	√				√		√		
CO 3	√	√	√			√	√			√
CO 4	√		√	√	√	√	√	√	√	√
CO 5	√	√	√		√	√		√		√
Number of Matches = 36					Relationship: 72% - High					

Prepared by: Checked by:

1. Mr.W.Mohamed Abdul Raheem   1. Mr.A.Yasar Arabath
2. Mr.Y.Satham Hussain

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
II	20ADCAA2CC8P	Core- VIII	**Corel Draw, Page Maker and Photoshop - Practical**	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Acquire the knowledge of various graphics software.

2. Create application form, design in Corel Draw.

3. Develop the Knowledge of objects, frames, visiting card, Banners in various graphics software.

4. Apply various menu bars of Photoshop.

5. Handle the various tools bar in Photoshop.

Corel Draw

1. Create an Application form with correct alignment

2. Prepare a visiting Card

3. Create a Marriage Invitation

4. Design a Banner

Page Maker

5. Drawing objects, Frames, text blocks

6. Create a newsletter

7. Design a Brochure

Photoshop

8. Design a Visiting card for a company.

9. Create an image with Text Effects

10. Design a Banner.

Text Books:

T.B-1 Stephen Copestake,Corel Draw in easy steps, Computer Step, Third Edition, Illustrated, (January 1, 2010).
T.B-2 Scott Basham, Adobe Page Maker 7, Adobe; Pap/Cdr edition (25 October 2001)
T.B-3 Robert Shuffle botham, Photoshop 7 in Easy Steps, Computer Step, Illustrated, 2002.

Book for Reference:

1. Teach yourself PageMaker 6.5, B.P.B Publication.
2. Teach yourself CorelDraw, B.P.B Publication.
3. Photoshop Visual Jump Start, B.P.B Publication.

Web Reference:
1. https://www.educba.com/what-is-coreldraw/
2. https://www.youtube.com/watch?v=BT0nQNmh3_g
3. https://www.youtube.com/watch?v=IyR_uYsRdPs

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√	√	√	√	√	√		√	√
CO 2	√	√		√	√	√		√	√	√
CO 3	√	√	√	√	√	√	√		√	√
CO 4	√					√				
CO 5	√			√	√	√		√	√	√
Number of Matches = 35					Relationship: 70% - High					

Prepared by: Checked by:

 1. Dr. R. Sheik Farid Oliyullah   1. Mr.A.Yasar Arabath
 2. Mr.A. Mohamed Abdur Rawoof

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Sem	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
II	20ADCAA2CC9P	Core- IX	**Basic web page creation - Practical**	3	3	100	20	80

Course Outcomes:

By end of the course the student will be able to:

1. Acquire the knowledge of fundamental concept of Internet.
2. Develop the knowledge about HTML tags.
3. Obtain the knowledge of web page.
4. Create basic HTML web pages
5. Design multiple Web Pages.

1. Develop a HTML document and perform the basic alignments on the headers and format the document using suitable tags

2. Develop a HTML document to display the Computer components.

3. Develop a HTML document to display the advantages and disadvantages of Internet using ordered and unordered list tags facilities.

4. Develop a home page for your company with suitable name, logo, pictures, background design and color text with links.

5. Design a web page of your meals menu for a week using table tag with its attributes.

6. Develop basic images WebPages in HTML
7. Create mark list by using tags.
8. Develop a simple application by using frame controls

9. Develop a web page to display the Resume registration form with suitable controls.
10. Create a images with marquee ordered show by using HTML

Text Books:

T.B-1. Thomas A. Powell, HTML & XHTML, The Complete Reference, McGraw-Hill Education,
  4 Edition, 2003.

Book for Reference:

1. Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics, by Jennifer Niederest Robbins, 5th Edition, 2012.

Web Reference:
1. https://www.w3schools.com/html/html_responsive.asp

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme.

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	√	√	√	√	√	√	√		√	√
CO 2	√			√		√	√	√	√	√
CO 3		√			√	√				
CO 4	√		√	√	√		√	√		√
CO 5	√	√	√		√	√			√	√
Number of Matches = 33					Relationship: 66% - Moderate					

Prepared by: Checked by:

1. Mr.R.Mohamed Abu Backar Sidhik   1. Mr.A.Yasar Arabath
2. Mr.A. Mohamed Abdur Rawoof

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High