



Master Presenter's Manual

For

ACCP Term I

Curriculum Code: OV-7091

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1. Introduction

This Presenter's Manual is to be used for Term 1 of ACCP course. Term 1 focuses on developing the programming logic and Web development skills of the student.

The student will learn the following modules in this course:

- Logic Building and Elementary Programming
- Building Modern Websites
- UI/UX for Responsive Web Design
- Frontend Web Development with React
- eProject-Responsive Web Development
- Data Management with SQL Server
- PHP Development with Laravel Framework

After the completion of Term 1, students will be able to:

- Use programming constructs to write programs in C
- Use HTML5 /CSS3 /JavaScript to develop interactive Websites and apps
- Learn front end Web development with React
- Learn the basic principles of effective and responsive Web UI/UX design
- Normalize raw data into well organized database tables in SQL Server
- Create dynamic Web applications using PHP and Laravel Framework

The eProject in this Term will involve designing a responsive Website.

2. General Information on Session Schedule

The table below shows the details of the modules, the number of hours being spent on each module along with a break-up of the hours being spent on each module.

Refer to the respective module presenter's manuals to understand further details of each session.

Module Wise Session Allocation

Module	Duration (Instructional Hours)	Self-Study Hours	Skill Code
Logic Building and Elementary Programming	40	12	75
Building Modern Websites	40	12	177
UI/UX for Responsive Web Design	16	8	368
Frontend Web Development with React	24	10	1337
eProject-Responsive Web Development	20	0	177
Data Management with SQL Server	32	10	1291
PHP Development with Laravel Framework	48	16	1274
Total Hours	220	68	

WEEK WISE SCHEDULE

Topic\Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Logic Building and Elementary Programming	D1	TL1	TL5	TL9	TL13	TL17	E1								
	D2	TL2	TL6	TL10	TL14	TL18	R1								
				S3	S4	S5									
	D3	TL3	TL7	TL11	TL15	TL19									
	D4	TL4	TL8	TL12	TL16	TL20									
		S1	S2			S6									
Building Modern Websites	D1							TL3	TL7	TL11	TL15	TL19			
	D2							TL4	TL8	TL12	TL16	TL20			
								S1	S2			S6			
	D3						TL1	TL5	TL9	TL13	TL17	E2			
	D4						TL2	TL6	TL10	TL14	TL18	R2			
									S3	S4	S5				
UI/UX for Responsive Web Design	D1												TL1	TL5	E3
	D2												TL2	TL6	
													S1	S3	
	D3												TL3	TL7	
	D4												TL4	TL8	
													S2	S4	

Topic\Week		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Frontend Web Development with React	D1		TL4	TL8	TL12														
			S1		S5														
	D2	TL1	TL5	TL9	E4														
				S3															
	D3	TL2	TL6	TL10	R3														
	D4	TL3	TL7	TL11															
eProject-Responsive Web Development																			
	D1					EP2	EP6	EP10											
	D2					EP3	EP7												
	D3					EP4	EP8												
Data Management with SQL Server	D4				EP1	EP5	EP9												
	D1								TL4	TL8	TL12	TL16							
												S5							
	D2							TL1	TL5	TL9	TL13	E5							
											S4								
PHP Development with Laravel Framework	D3							TL2	TL6	TL10	TL14	R4							
									S2	S3									
	D4							TL3	TL7	TL11	TL15								
								S1											
	D1												TL2	TL6	TL10	TL14	TL18	TL22	R5
PHP Development with Laravel Framework	D2												TL3	TL7	TL11	TL15	TL19	TL23	
															S3 & S4				
	D3												TL4	TL8	TL12	TL16	TL20	TL24	
																S5 & S6		S7 & S8	
	D4																		
													TL1	TL5	TL9	TL13	TL17	TL21	E6
PHP Development with Laravel Framework													S1 & S2						

Where,

D = Day, TL = Online Session, EP = EProject

S = Self-Study Session (over and above the course duration)

E = Modular Examination (Objective)-**AoLEAP**

R = Modular Examination (Practical)

3. Deliverables of ACCP Term 1

The deliverables to be provided to the students and the faculty have been tabulated below:

➤ **Deliverables for Students:**

Module	Kit Code	Book Code	Book Name
Logic Building and Elementary Programming	Kit Code: OV-7091-KIT01-01-G Kit Name: Kit of 7 titles for OV-7091 ACCP Term 1	OV-C0056	Elementary Programming in C-INTL
Building Modern Websites		AINNFENDT10323E000	FrontEnd Technologies for Beginners
UI/UX for Responsive Web Design		AINNEUIUX10721E000	Elegant and Effective Web Design with UI and UX
Frontend Web Development with React		AINNREACT10423E000	Frontend Web Development with ReactJS
eProject-Responsive Web Development		AINNEPRWB10323E000	ePG-Build Responsive NextGen Websites
Data Management with SQL Server		AINNSQLSR10920E000	Intelligent Data Management with SQL Server
PHP Development with Laravel Framework		AINNPHPLV10821E000	PHP Web Development with Laravel

➤ **Deliverables for Faculty**

Module	Kit Code	Book Code	Book Name
Logic Building and Elementary Programming	Kit Code: OV-7091-KIT01-01-G Kit Name: Kit of 7 titles for OV-7091 ACCP Term 1	OV-C0056	Elementary Programming in C-INTL
Building Modern Websites		AINNFENDT10323E000	FrontEnd Technologies for Beginners
UI/UX for Responsive Web Design		AINNEUIUX10721E000	Elegant and Effective Web Design with UI and UX
Frontend Web Development with React		AINNREACT10423E000	Frontend Web Development with ReactJS
eProject-Responsive Web Development		AINNEPRWB10323E000	ePG-Build Responsive NextGen Websites
Data Management with SQL Server		AINNSQLSR10920E000	Intelligent Data Management with SQL Server
PHP Development with Laravel Framework		AINNPHPLV10821E000	PHP Web Development with Laravel
Term 1	Master PM, Module PMs Classroom Presentations Trainer Guide eProject Supplement		

OnlineVarsity Deliverables

To aid the teaching process, following are the deliverables











Faculty Deliverables:

1. Presenter Manual (PM)

Student Deliverables:

1. Learner's Guide (eBook)

Resources available on OnlineVarsity for Students:

Icons	Feature - Description / Functionality
	Download eBook - Student has the option to download the subject related e-book and read offline
	Glossary - Student can access a list of subject related specialized words with their definitions.
	FAQ - Student can access frequently asked questions and their answers
	Show Me How - Student can view a step-wise simulation / demonstration of the module related topics.
	Practice 4 Me - Student can test and evaluate their understanding of module related topics.
	Work Assignments - Student can solve scenario based lab assignments (Hands-on). The faculty will evaluate and give their feedbacks.
	Download Source code / Files – Student can download courseware related source files.
	References - Student can access additional subject related material for reading.
	Feedback - Student can provide feedback on the course material
	Ask to Learn – Student can submit subject related technical queries. Queries submitted will be directed to the particular course coordinator/head.

4. Evaluation Strategy

The Evaluation Strategy for this course is as follows:

- Modular Examination (Objective-AoLEAP)
- Practical Examination
- eProject

4.1 Award of Grades

Overall Weighted Marks > = 40% but < 60% qualifies for **PASS**

Overall Weighted Marks > = 60% but < 75% qualifies for **CREDIT** and

Overall Weighted Marks > = 75% qualifies for **DISTINCTION**

Note: To attain a PASS/CREDIT/DISTINCTION grade, a student should achieve at least 40% in Modular Examination, otherwise he/she will be declared as 'Referred'.

4.2 Modular Examination

Below is the list of modules to be covered in the exams along with their weightages:

Modular Examination (E1)-AoLEAP

Marks: 20

Duration: 40 minutes

Type: Objective

S#	Name of the Subject	Marks
1.	Logic Building and Elementary Programming	20

Modular Examination (E2)-AoLEAP

Marks: 20

Duration: 40 minutes

Type: Objective

S#	Name of the Subject	Marks
1.	Building Modern Websites	20

Modular Examination (E3)-AoLEAP

Marks: 20

Duration: 40 minutes

Type: Objective

S#	Name of the Subject	Marks
1.	UI/UX for Responsive Web Design	20

Modular Examination (E4)-AoLEAP

Marks: 20

Duration: 40 minutes

Type: Objective

S#	Name of the Subject	Marks
1.	Frontend Web Development with React	20

Modular Examination (E5)-AoLEAP

Marks: 20
Duration: 40 minutes
Type: Objective

S#	Name of the Subject	Marks
1.	Data Management with SQL Server	20

Modular Examination (E6)-AoLEAP

Marks: 20
Duration: 40 minutes
Type: Objective

S#	Name of the Subject	Marks
1.	PHP Development with Laravel Framework	20

Modular Examination (R1)

Marks: 20
Duration: 60 minutes
Type: Practical

S#	Name of the Subject	Marks
1.	Logic Building and Elementary Programming	20

Modular Examination (R2)

Marks: 20
Duration: 60 minutes
Type: Practical

S#	Name of the Subject	Marks
1.	Building Modern Websites	20

Modular Examination (R3)

Marks: 20
Duration: 60 minutes
Type: Practical

S#	Name of the Subject	Marks
1.	Frontend Web Development with React	20

Modular Examination (R4)

Marks: 20
Duration: 60 minutes
Type: Practical

S#	Name of the Subject	Marks
1.	Data Management with SQL Server	20

Modular Examination (R5)

Marks: 20

Duration: 60 minutes

Type: Practical

S#	Name of the Subject	Marks
1.	PHP Development with Laravel Framework	20

eProject

Marks: 100

Duration: 20 Hours

Type: Practical

S#	Name of the Subject	Marks
1.	eProject-Responsive Web Development	100

Evaluation Details

OES (AoLEAP)- 50%

Practical- 30%

eProject - 20%

5. Classroom and Lab Pre-requisites

The requirements for conducting the sessions of the new curriculum have been described as follows:

5.1 Software Requirements

Microsoft Windows 11
CoffeeCup Free HTML5 Editor
MS SQL Server 2019 Standard Edition
Microsoft Office Standard 2019 or higher
jQuery libraries, plugins, and jQuery 1.1.2.4 stable release)
React 18.x or higher
Figma ToolKit
PHP 8.0 & Laravel FW

5.2 Recommended Hardware

Intel Core i5 Processor or higher
8 GB RAM or above
Color SVGA
500 GB Hard Disk space
Mouse
Keyboard

5.3 Other Requirements (For Classroom)

Computer for giving demonstrations wherever applicable
LCD projector

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