Master Presenter's Manual

for

A C C P   P r i m e
T e r m   2

Curriculum Code: OV-7062

Release Date: March, 2022
Version 1.1

Amendment Record

Version No.	Effective Date	Change	Replaced Page Nos.
1.0	December 2021	New	-
1.1	March 2022	Term End Examination added	10

Table of Contents

1. Introduction

This Presenter's Manual is to be used for ACCP Pakistan-Term 2 course.

The student will learn the following modules in this course:

- ➤ Distributed Version Control
- ➤ Markup Language and JSON
- ➤ Programming with JavaScript
- ➤ Working with MySQL
- ➤ Dynamic Website Development using PHP
- ➤ Laravel Framework for Web Applications using PHP
- ➤ eProject-PHP Web Application Development
- ➤ Fundamentals of Millennial Entrepreneurship

After the completion of this course, students will be able to:

- ➤ Understand working of Git and GitHub commands
- ➤ Use XML & JSON to store and exchange data
- ➤ Perform pattern matching in JavaScript
- ➤ Use JavaScript Tools such as Firebug, Chrome Developer tools, Internet Explorer Developer Tools and so on
- ➤ Use MySQL, the world's most popular open-source database
- ➤ Normalize raw data into well-organized database tables in SQL Server
- ➤ Understanding Laravel Framework to view the Laravel Directory structure and enhance the presentation of an application
- ➤ Explore the fundamentals of Millennial Entrepreneurship

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.

A session is of two hours duration.

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

Module Wise Session Allocation

Module	Theory Hrs.	Online Hrs.	Total Hrs.	Self-Study Hrs.	Skill Code
Distributed Version Control	0	12	**12**	6	1273
Markup Language & JSON	0	12	**12**	6	17
Programming with JavaScript	0	24	**24**	10	65
Working with MySQL	0	24	**24**	10	1299
Dynamic Website Development using PHP	0	40	**40**	10	1274
Laravel Framework for Web Applications using PHP	0	12	**12**	6	1274
eProject-PHP Web Application Development	2	18	**20**	0	1274
Fundamentals of Millennial Entrepreneurship	0	10	**10**	0	31
Total	**2**	**152**	**154**	**48**	

WEEK WISE SCHEDULE

Topic\Week		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Distributed Version Control	D1	TL1	TL4	**E1**											
			S2												
	D2	TL2	TL5												
		S1													
	D3	TL3	TL6												
			S3												
Markup Language & JSON	D1				TL3	TL6									
						S3									
	D2			TL1	TL4	**E2**									
					S2										
	D3			TL2	TL5										
				S1											
Programming with JavaScript	D1					TL2	TL5	TL8	TL11						
							S2								
	D2					TL3	TL6	TL9	TL12						
						S1		**S4**	**S5**						
	D3					TL1	TL4	TL7	TL10	**E3**					
							S3		**R1**						
Working with MySQL	D1										TL1	TL4	TL7	TL10	**E4**
													S3		**R2**
	D2										TL2	TL5	TL8	TL11	
												S2			
	D3										TL3	TL6	TL9	TL12	
											S1		**S4**	**S5**	

Topic\Week		14	15	16	17	18	19	20	21	22	23
Dynamic Website Development using PHP	D1		TL3	TL6	TL9	TL12	TL15	TL18	**E5**		
									R3		
	D2	TL1	TL4	TL7	TL10	TL13	TL16	TL19			
					S2						
	D3	TL2	TL5	TL8	TL11	TL14	TL17	TL20			
			S1			**S3**	**S4**	**S5**			
Laravel Framework for Web Applications using PHP	D1									TL3	TL6
											S3
	D2								TL1	TL4	**E6**
										S2	**R4**
	D3								TL2	TL5	
									S1		
eProject	D1										
	D2										
	D3										**EP1**

Topic\Week		24	25
Fundamentals of Millennial Entrepreneurship	**D1**	TL1	TL4
	D2	TL2	TL5
	D3	TL3	

Where,
D = Day
TL = Online Session; E = Modular Exam (Objective); R = Modular Exam (Practical)
S = Self-Study Hours (over and above the course duration)
EP = eProject

3. Deliverables

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

➢ **Deliverables for Students:**

Module	Deliverable	OV KIT Code
Distributed Version Control	**Book Name:** Version Control with Git and GitHub **Book Code:** AINNGITHB11221E000	Kit Code: **OV-7062-KIT01-02-H** Kit Name: **Kit of 8 titles for OV-7062 ACCP Prime Term 2**
Markup Language & JSON	**Book Name:** Modern Markup for Data Interchange-INTL **Book Code:** OV-XML0027	
Programming with JavaScript	**Book Name:** Programming with JavaScript **Book Code:** AINNPJSRT11118E000	
Working with MySQL	**Book Name:** Practical MySQL **Book Code:** AINNPMSQL11221E000	
Dynamic Website Development using PHP	**Book Name:** Architecting Web Applications using PHP **Book Code:** AINNARPHP11221E000	
Laravel Framework for Web Applications using PHP	**Book Name:** Laravel Framework for Web Applications with PHP **Book Code:** AINNLRLFW10419E000	
eProject-PHP Web Application Development	**Book Name:** ePG-Building Modernized Applns with PHP Laravel **Book Code:** AINNEPPHL11221E000	
Fundamentals of Millennial Entrepreneurship	**Book Name:** Fundamentals of Millennial Entrepreneurship **Book Code:** AINNENTRP11221E000	

➢ **Deliverables for Trainer:**

| Module	Deliverable	Deliverable
Distributed Version Control	**Book Name:** Version Control with Git and GitHub **Book Code:** AINNGITHB11221E000	Kit Code: **OV-7062-KIT01-02-H** Kit Name: **Kit of 8 titles for OV-7062 ACCP Prime Term 2**
Markup Language & JSON	**Book Name:** Modern Markup for Data Interchange-INTL **Book Code:** OV-XML0027	
Programming with JavaScript	**Book Name:** Programming with JavaScript **Book Code:** AINNPJSRT11118E000	
Working with MySQL	**Book Name:** Practical MySQL **Book Code:** AINNPMSQL11221E000	
Dynamic Website Development using PHP	**Book Name:** Architecting Web Applications using PHP **Book Code:** AINNARPHP11221E000	
Laravel Framework for Web Applications using PHP	**Book Name:** Laravel Framework for Web Applications with PHP **Book Code:** AINNLRLFW10419E000	
eProject-PHP Web Application Development	**Book Name:** ePG-Building Modernized Applns with PHP Laravel **Book Code:** AINNEPPHL11221E000	

Fundamentals of Millennial Entrepreneurship	**Book Name:** Fundamentals of Millennial Entrepreneurship **Book Code:** AINNENTRP11221E000	
Course		**Master PM Module PMs Trainer Guide (wherever applicable) Classroom Presentations (wherever applicable)**

OnlineVarsity Deliverables

Onlinevarsity is a digital content access and collaboration platform for Aptech students. The numerous interesting features of the platform will enhance learning experience of the students.

(*Faculties can access eBooks and other components in Onlinevarsity through Aptrack.*)

Resources available on OnlineVarsity (as applicable):

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.
	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 the Course is as follows:

➢ Modular Examination (Objective + Practical)
➢ Term End Examination (Objective)
➢ Project

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 each of the elements of Modular Examination as well as Term End Examination; otherwise he/she will be declared as 'Referred'.

4.2   Modular Examination

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

Modular Examination 1 (E1)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Distributed Version Control	20

Modular Examination 2 (E2)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Markup Language & JSON	20

Modular Examination 3 (E3)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Programming with JavaScript	20

Modular Examination 4 (E4)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Working with MySQL	20

Modular Examination 5 (E5)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Dynamic Website Development using PHP	20

Modular Examination 6 (E6)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Laravel Framework for Web Applications using PHP	20

Modular Examination 7 (R1)

Marks: 20
Duration: 60 minutes
Type: Practical

Sr. No.	Name of the Subject	Distribution of Marks
1.	Programming with JavaScript	20

Modular Examination 8 (R2)

Marks: 20
Duration: 60 minutes
Type: Practical

Sr. No.	Name of the Subject	Distribution of Marks
1.	Working with MySQL	20

Modular Examination 9 (R3)

  Marks: 20
  Duration: 60 minutes
  Type: Practical

Sr. No.	Name of the Subject	Distribution of Marks
1.	Dynamic Website Development using PHP	20

Modular Examination 10 (R4)

  Marks: 20
  Duration: 60 minutes
  Type: Practical

Sr. No.	Name of the Subject	Distribution of Marks
1.	Laravel Framework for Web Applications using PHP	20

Project

  Marks: 100
  Duration: 20 Hours
  Type: eProject

Sr. No.	Name of the Subject	Distribution of Marks
1.	eProject-PHP Web Application Development	100

4.3   Final Examination (E7)

  Marks: 50
  Duration: 60 minutes
  Type: Objective

Sr. No.	Name of the Subject	Distribution of Marks
1.	Distributed Version Control	10
2.	Markup Language and JSON	10
3.	Programming with JavaScript	10
4.	Working with MySQL	12
5.	Fundamentals of Millennial Entrepreneurship	8

Evaluation Details

OES – 50%
Practical – 30%
eProject – 20%

5. Classroom and Lab Pre-requisites

The requirements for conducting the sessions of this course have been described as follows:

5.1 Software Requirements

  Windows 10
  NetBeans IDE 8.0 or higher
  Apache Web Server 2.2 or higher
  MySQL 8.x (for Windows 10)
   PHP 8.x
   Laravel 5.0

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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