



Master Presenter's Manual

for

ACCP Term I

Curriculum Code: OV-6715

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Version 1.0*

Amendment Record

Version No.	Effective Date	Change	Replaced Page Nos.
1.0	March 2018	New	-

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1. Introduction

This Presenter's Manual is to be used for ACCP Term 1 curriculum. The syllabus aims at introducing students to programming basics and Web designing.

The student will learn the following modules in this course:

- Logic Building and Elementary Programming
- Building Next Generation Websites
- Bootstrap and jQuery
- eProject (Website Development)
- Introduction to Cloud Computing
- Data Management (SQL Server)

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

- Solve programming problems using flowcharts and pseudocodes
- Use programming constructs to write programs in C
- Use HTML5/CSS3/JavaScript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured applications
- Design and develop responsive Web sites and single page applications using Bootstrap, jQuery, and AngularJS
- Develop an interactive Web site using HTML5, CSS3, JavaScript, Bootstrap, jQuery and so on
- Normalize raw data into well-organized database tables in SQL Server

The eProject in this term will involve developing a responsive Website using HTML.

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.

Each session will be of two hours duration.

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

Module Wise Session Allocation

Module	Duration (Instructional Hours)	Skill Code
Logic Building and Elementary Programming	40	75
Building Next Generation Websites	40	177
BootStrap and JQuery	16	177
eProject-Website Development (HTML5)	2	177
Database Design and Development	24	1216
Database Management (SQL Server)	40	1216
Total Hours	162	

WEEK WISE SCHEDULE

Topic\Week		1	2	3	4	5	6	7	8	9	10	11
Logic Building and Elementary Prg.	D1	T1	L2	L4	L6	L8	E1					
	D2	T2	T4	T6	T8	T10	R1					
	D3	L1	L3	L5	L7	T11						
	D4	T3	T5	T7	T9	L9						
Building Next Generation Web Sites	D1							T2	T4	T6	T8	T10
	D2							L2	L4	L6	L8	L10
	D3						T1	T3	T5	T7	T9	E2
	D4						L1	L3	L5	L7	L9	R2
Topic\Week		12	13	14	15	16	17	18	19	20	21	22
Bootstrap and jQuery	D1	TL1	TL5	E3								
	D2	TL2	TL6									
	D3	TL3	TL7									
	D4	TL4	TL8									
eProject-Website Development (HTML5)	D1											
	D2			P1								
	D3											
	D4											
Database Design and Development	D1				TL3	TL7	TL11					
	D2				TL4	TL8	TL12					
	D3			TL1	TL5	TL9						
	D4			TL2	TL6	TL10						
Database Management (SQL Server)	D1							TL3	TL7	TL11	TL15	TL19
	D2							TL4	TL8	TL12	TL16	TL20
	D3						TL1	TL5	TL9	TL13	TL17	E4
	D4						TL2	TL6	TL10	TL14	TL18	R3

Where,

D = Day

TL = Online Session; T = Theory Session; L = Lab Session

E = Modular Exam (Objective)

R = Modular Exam (Practical)

P = EProject

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	Deliverable
Logic Building and Elementary Programming	Kit Code: OV-6715-KIT01-01-E Kit Name: Kit of 5 titles for OV-6715 ACCP Term 1
Building Next Generation Websites	
BootStrap and JQuery	
eProject-Website Development (HTML5)	
Database Management (SQL Server)	
Database Design and Development	NCC Module

➤ **Deliverables for Faculty**









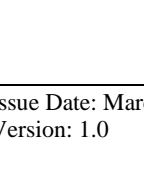
Module	Deliverable
Logic Building and Elementary Programming	Kit Code: OV-6715-KIT01-01-E Kit Name: Kit of 5 titles for OV-6715 ACCP Term 1
Building Next Generation Websites	
BootStrap and JQuery	
eProject-Website Development (HTML5)	
Database Management (SQL Server)	
Database Design and Development	NCC Module
Term I	Master PM, Module PMs Classroom Presentations Trainer Guide eProject Supplement

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 this course is as follows:

- Modular Examination (Objective + Practical)
- eProject

4.1 Award of Grades

Overall Weighted Marks $\geq 40\%$ but $< 60\%$ qualifies for **PASS**

Overall Weighted Marks $\geq 60\%$ but $< 75\%$ qualifies for **CREDIT and**

Overall Weighted Marks $\geq 75\%$ qualifies for **DISTINCTION**

Note: To attain a PASS/CREDIT/DISTINCTION grade, a student should achieve at least 40% in each of the elements of Internal Examination as well as Final 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 Exam (E1)

Marks: 20

Duration: 40 minutes

Type: Objective

Sr. No.	Name of the Subject	Marks
1.	Logic Building and Elementary Programming	20

Modular Exam (E2)

Marks: 20

Duration: 40 minutes

Type: Objective

Sr. No.	Name of the Subject	Marks
1.	Building Next Generation Websites	20

Modular Exam (E3)

Marks: 20

Duration: 40 minutes

Type: Objective

Sr. No.	Name of the Subject	Marks
1.	Bootstrap and JQuery	20

Modular Exam (E4)

Marks: 20
Duration: 40 minutes
Type: Objective

Sr. No.	Name of the Subject	Marks
1.	Database Management (SQL Server 2016)	20

Modular Exam (R1)

Marks: 20
Duration: 60 minutes
Type: Practical

Sr. No.	Name of the Subject	Marks
1.	Logic Building and Elementary Programming	20

Modular Exam (R2)

Marks: 20
Duration: 60 minutes
Type: Practical

Sr. No.	Name of the Subject	Marks
1.	Building Next Generation Websites	20

Modular Exam (R3)

Marks: 20
Duration: 60 minutes
Type: Practical

Sr. No.	Name of the Subject	Marks
1.	Database Management (SQL Server 2016)	20

eProject

Marks: 100
Duration: Centre to decide
Type: Practical

Sr. No.	Name of the Subject	Marks
1.	eProject-Website Development (HTML5))	100

Evaluation Details

OES- 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 8.1 or Windows 10
CoffeeCup Free HTML5 Editor
MS SQL Server 2016 Standard Edition
Microsoft Office Standard 2013
Bootstrap libraries (Bootstrap and jquery libraries and plugins, Bootstrap 3.3.7 stable release and jQuery 1.1.2.4 stable release)
Java Development Kit (JDK) version 8
Log4J binary file for Java

5.2 Recommended Hardware

Intel Core i3 Processor or higher
4 GB RAM or above
Color SVGA
120 GB Hard Disk space
Mouse
Keyboard

5.3 Other Requirements (For Classroom)

Computer for giving demonstrations wherever applicable
LCD projector

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