Module
Presenter's Manual
for

UI/UX for
Responsive Web Design

Effective from: October 2021
Ver. 1.0

Amendment Record

Version No.	Effective Date	Change	Replaced Pages
1.0	October 2021	New	-

Table of Contents

1. Introduction

At the end of this course, students will be able to:

- ➢ Define User Interface (UI) and User Interface design
- ➢ Describe the principles of User Interface Design
- ➢ Describe the types of User Interface Design
- ➢ Describe the models in User Interface Design
- ➢ Define Mobile User Interface
- ➢ Explain Color Theory
- ➢ Define User Experience (UX) and User Experience Design
- ➢ Describe the difference between UI and UX
- ➢ Describe different elements of UX Design
- ➢ Explain the significance of UX
- ➢ List and explain the principles of User Experience Design
- ➢ Describe the best practices in User Experience Design
- ➢ Describe the UX design process
- ➢ Distinguish between a good and bad UX design
- ➢ Define Responsive UI design
- ➢ Describe the evolution of RWD
- ➢ Describe the importance of Progressive Enhancement
- ➢ Outline the differences between Graceful Degradation and Progressive Enhancement
- ➢ Explain the RWD Workflow
- ➢ Describe the significance of RWD
- ➢ Explain the strategies for RWD in mobile phones, Android based devices, and laptops
- ➢ Describe necessity for content strategy in RWD
- ➢ Describe importance of content audit
- ➢ Explain performance optimization for a mobile-friendly site
- ➢ Explain differences between responsive and adaptive Website designs
- ➢ Use design best practices for Web accessibility
- ➢ Define Breakpoints
- ➢ Describe Navigation Drawers
- ➢ Describe Stacked Pagination
- ➢ Explain Fluid Images
- ➢ Define Bottom Bar and Top Bar
- ➢ Define Front Action Calls
- ➢ Explain the importance of usability studies
- ➢ List the steps for testing in usability studies
- ➢ Describe usability studies for Responsive Web Design
- ➢ Identify the usage of the Figma Tool
- ➢ List the steps to set up a Figma Account
- ➢ Explain the Figma interface
- ➢ Describe how to manage Figma Components
- ➢ Explain the process to create a first design in Figma
- ➢ Identify the UI sections of a Website
- ➢ Describe the Figma Auto Layout feature
- ➢ Define dynamic content in Figma
- ➢ Identify and build the components of Website
- ➢ Explain how to use Figma with HTML plugin

2. Information on Session Allocation

Module	Online (No. of Hours)	Self Study (No. of Hours)
UIUX	24	10

Throughout this Presenter's Manual, the module U**I/UX for Responsive Web Design** will be referred to as **UIUX**.

3. Week-wise Session Schedule

- **A Session is of 2 hours duration.**

➢ **Week-Wise Schedule**

Week	Day 1		Day 2		Day 3	
1	**Session 1 UIUX – TL1**		**Session 2 UIUX –TL2**		**Session 3 UIUX – TL3**	**S1**
2	**Session 4 UIUX – TL4**		**Session 5 UIUX – TL5**	**S2**	**Session 6 UIUX – TL6**	**S3**
3	**Session 7 UIUX – TL7**		**Session 8 UIUX – TL8**		**Session 9 UIUX – TL9**	
4	**Session 10 UIUX – TL10**	**S4**	**Session 11 UIUX – TL11**		**Session 12 UIUX – TL12**	**S5**

TL: Online Session
S: Self Study (over and above the module duration)

Resources available on OnlineVarsity for Students:

Icons	Feature - Description/Functionality
	Download Book - 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. Session Coverage

Session No.	Session Title	Session Details	Deliverables' Mapping
1	**UIUX – TL1**	All the topics as listed below from Session 1 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 1 – Introduction to User Interface Design** ➢ Define User Interface (UI) and User Interface design ➢ List and explain different elements of User Interface Design ➢ Describe the principles of User Interface Design ➢ Describe the types of User Interface Design ➢ Explain the User Interface Design process ➢ Describe the models in User Interface Design ➢ Define Mobile User Interface ➢ Explain Color Theory ➢ Understand the concepts of Design Thinking ➢ Use the best practices in UI Design	**Elegant and Effective Website Design with UI and UX** SG – Session 1 XP – Session 1 TG – Session 1
2	**UIUX – TL2**	All the topics as listed below from Session 2 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 2 – Introduction to User Experience Design** ➢ Define User Experience (UX) and User Experience Design ➢ Describe the difference between UI and UX ➢ Describe different elements of UX Design ➢ Explain the significance of UX ➢ List and explain the principles of User Experience Design ➢ Describe the best practices in	**Elegant and Effective Website Design with UI and UX** SG – Session 2 XP – Session 2 TG – Session 2

Session No.	Session Title	Session Details	Deliverables' Mapping
		User Experience Design ➢ Describe the UX design process ➢ Distinguish between a good and bad UX design	
3	UIUX – TL3	All the topics as listed below from Session 3 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 3 – Understanding Responsive Web Design** ➢ Define Responsive UI design ➢ Describe the evolution of RWD ➢ Describe the importance of Progressive Enhancement ➢ Outline the differences between Graceful Degradation and Progressive ➢ Enhancement ➢ Explain the RWD Workflow ➢ Describe the significance of RWD	**Elegant and Effective Website Design with UI and UX** SG – Session 3 XP – Session 3 TG – Session 3
	S1	All the Assignment topics from *Session 1* to Session 3 of *Elegant and Effective Website Design with UI and UX* course should be covered in this session.	**Elegant and Effective Website Design with UI and UX (OnlineVarsity)** Session 1-3
4	UIUX – TL4	All the topics as listed below from Session 4 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 4 – Understanding Strategies for Responsive Web Design** ➢ Explain the strategies for RWD in mobile phones, Android based devices, and laptops ➢ Describe necessity for content strategy in RWD ➢ Describe importance of content audit ➢ Explain performance	**Elegant and Effective Website Design with UI and UX** SG – Session 4 XP – Session 4 TG – Session 4

Session No.	Session Title	Session Details	Deliverables' Mapping
		optimization for a mobile-friendly site ➢ Explain differences between responsive and adaptive Website designs ➢ Understand concept of Web accessibility ➢ Use design best practices for Web accessibility	
5	UIUX – TL5	All the topics as listed below from Session 5 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 5 – Using Common RWD Patterns in Mobile Designs** ➢ Define Breakpoints ➢ Describe Navigation Drawers ➢ Describe Stacked Pagination ➢ Explain Fluid Images ➢ Define Bottom Bar ➢ Describe Top Bar ➢ Define Front Action Calls ➢ Explain Short and Simple Menus	**Elegant and Effective Website Design with UI and UX** SG – Session 5 XP – Session 5 TG – Session 5
	S2	All the Assignment topics from Session *4* and Session 5 of *Elegant and Effective Website Design with UI and UX* course should be covered in this session.	**Elegant and Effective Website Design with UI and UX (OnlineVarsity)** Session 4 & 5
6 & 7	UIUX – TL6 & TL7	All the topics as listed below from Session 6 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 6 – Usability Studies in Responsive Web Design** ➢ Describe usability studies ➢ Explain the importance of usability studies ➢ List the steps for testing in usability studies ➢ Describe usability studies for	**Elegant and Effective Website Design with UI and UX** SG – Session 6 XP – Session 6 TG – Session 6

Session No.	Session Title	Session Details	Deliverables' Mapping
		Responsive Web Design	
	S3	All the Assignment topics from Session *6* of *Elegant and Effective Website Design with UI and UX* course should be covered in this session.	**Elegant and Effective Website Design with UI and UX (OnlineVarsity)** Session 4 & 5
8	**UIUX – TL8**	All the topics as listed below from Session 7 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 7 – Understanding the Figma Tool** ➢ Identify the usage of the Figma Tool ➢ List the steps to set up a Figma Account ➢ Explain the Figma interface ➢ Describe how to manage Figma Components ➢ Explain the process to create a first design in Figma	**Elegant and Effective Website Design with UI and UX** SG – Session 7 XP – Session 7 TG – Session 7
9	**UIUX – TL9**	All the Lab topics from Session 7 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session.	**Elegant and Effective Website Design with UI and UX** Session 7
	S4	All the Assignment topics from Session *7* of *Elegant and Effective Website Design with UI and UX* course should be covered in this session.	**Elegant and Effective Website Design with UI and UX (OnlineVarsity)** Session 7
10 & 11	**UIUX – TL10 & TL11**	All the topics as listed below from Session 8 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session. **Session 8 – Designing Websites with Figma Tool** ➢ Identify the UI sections of a	**Elegant and Effective Website Design with UI and UX** SG – Session 8 XP – Session 8 TG – Session 8

Session No.	Session Title	Session Details	Deliverables' Mapping
		Website ➢ Describe the Figma Auto Layout feature ➢ Define dynamic content in Figma ➢ Identify and build the components of Website ➢ Explain how to use Figma with HTML plugin ➢ Explain prototypes	
12	UIUX – TL12	All the Lab topics from Session 8 of *Elegant and Effective Website Design with UI and UX* book should be covered in this session.	**Elegant and Effective Website Design with UI and UX** Session 8
	S5	All the Assignment topics from Session *8* of *Elegant and Effective Website Design with UI and UX* course should be covered in this session.	**Elegant and Effective Website Design with UI and UX (OnlineVarsity)** Session 8

5. Library References

➢ **Learning Responsive Web Design** by Clarissa Peterson
➢ **The Essential Guide to User Interface Design: An Introduction to GUI Design Principles and Techniques** by Wilbert O Galitz
➢ **Designing in Figma-The complete guide to designing with reusable components and styles in Figma** by Eugene Fedorenko

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