



# Module Presenter's Manual

*for*

## **Bootstrap and Jquery**

***Effective From: August 2021  
Ver. 1.0***

## Amendment Record

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

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## 1. Introduction

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At the end of this course, students will:

- Learn basics of Bootstrap and set up Bootstrap
- Work with Plug-ins, templates and programming in Bootstrap
- Learn jQuery
- Understand Selectors, functions, widgets in jQuery
- Learn the Responsive Web layout in Bootstrap
- Learn Headers and classes in Bootstrap
- Build Webpages using Bootstrap and jQuery

## 2. Information on Session Allocation

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Module	Online Hours	Self Study Hours
Bootstrap and JQuery	16	6










### 3. Module Deliverables available on OnlineVarsity

To aid the learning process, following are the deliverables

#### Student Deliverables:

1. Learner's Guide (eBook)

Resources available on OnlineVarsity for Students:

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

#### 4. Week-wise Session Schedule

- A Session is of 2 hours duration

##### ➤ Week-Wise Schedule



Week	Day 1		Day 2		Day 3
1	Session 1 BOOTSTRAP – TL1		Session 2 BOOTSTRAP – TL2	S1	Session 3 BOOTSTRAP – TL3
2	Session 4 BOOTSTRAP – TL4	S2	Session 5 BOOTSTRAP – TL5		Session 6 BOOTSTRAP – TL6
3	Session 7 BOOTSTRAP – TL7		Session 8 BOOTSTRAP – TL8	S3	

**BOOTSTRAP:** Bootstrap and jQuery

**TL:** Online Session

**S:** Self Study (over and above the module duration)

## 5. Session Coverage

Session No.	Session Title	Session Details	Deliverables' Mapping
1	BOOTSTRAP – TL1	<p>All the topics as listed below from Session 1 and Session 2 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> book should be covered in this session.</p> <p><b><u>Session 1: Basics of Bootstrap</u></b></p> <ul style="list-style-type: none"> <li>➤ Introduction to Bootstrap</li> <li>➤ Uses of Bootstrap</li> <li>➤ Setting up Bootstrap</li> <li>➤ File structure and source code in Bootstrap</li> <li>➤ Bootstrap with CSS and Javascript</li> <li>➤ Templates in Bootstrap</li> </ul> <p><b><u>Session 2: Understanding Programming in Bootstrap</u></b></p> <ul style="list-style-type: none"> <li>➤ Components in Bootstrap</li> <li>➤ Bootstrap Layout components</li> <li>➤ Programming in Bootstrap</li> </ul>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p>SG - Session 1 and 2 XP - Session 1 and 2 TG - Session 1 and 2</p>
2	BOOTSTRAP – TL2	<p>The workshop lessons of Session 1 and Session 2 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 1 and 2</p>
	S1	<p>All the Assignment topics of Session 1 and Session 2 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 1 and 2</p>

Session No.	Session Title	Session Details	Deliverables' Mapping
3	<b>BOOTSTRAP – TL3</b>	<p>All the topics as listed below from Session 3 and Session 4 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> book should be covered in this session.</p> <p><b><u>Session 3: Basics of jQuery</u></b></p> <ul style="list-style-type: none"> <li>➤ Introduction to jQuery and integrating with Bootstrap</li> <li>➤ jQuery Selectors</li> <li>➤ Functions in jQuery</li> <li>➤ JSON and conversions to JSON</li> <li>➤ Event delegation in jQuery</li> </ul> <p><b><u>Session 4: Functions, widgets, plugins in jQuery</u></b></p> <ul style="list-style-type: none"> <li>➤ jQuery live function</li> <li>➤ jQuery AJAX</li> <li>➤ Callbacks in jQuery</li> <li>➤ Autocomplete functions in jQuery</li> <li>➤ Widgets in jQuery</li> <li>➤ Datatables plugin in jQuery</li> </ul>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p>SG - Session 3 and 4 XP - Session 3 and 4 TG - Session 3 and 4</p>
4	<b>BOOTSTRAP – TL4</b>	<p>The workshop lessons of Session 3 and Session 4 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 3 and 4</p>
	<b>S2</b>	<p>All the Assignment topics of Session 3 and Session 4 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 3 and 4</p>
5	<b>BOOTSTRAP – TL5</b>	<p>All the topics as listed below from Session 5 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> book</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p>



Session No.	Session Title	Session Details	Deliverables' Mapping
		<p>should be covered in this session.</p> <p><b><u>Session 5: Creating Bootstrap Responsive layout</u></b></p> <ul style="list-style-type: none"> <li>➤ Bootstrap Responsive layout</li> <li>➤ Responsive Web design with Bootstrap</li> <li>➤ Headers, grids in Bootstrap</li> <li>➤ Creating and Working with Headers and grids</li> <li>➤ Text Transformation classes in Bootstrap</li> </ul>	<p>SG - Session 5 XP - Session 5 TG - Session 5</p>
6	<b>BOOTSTRAP - TL6</b>	<p>The workshop lessons of Session 5 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 5</p>
7	<b>BOOTSTRAP - TL7</b>	<p>All the topics as listed below from Session 6 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> book should be covered in this session.</p> <p><b><u>Session 6: Creating Responsive Webpages using Bootstrap and jQuery</u></b></p> <ul style="list-style-type: none"> <li>➤ Introduction to Responsiveness</li> <li>➤ Tables in Bootstrap</li> <li>➤ Styling Blockquotes</li> <li>➤ Building a Website using Bootstrap and jQuery</li> </ul>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p>SG - Session 6 XP - Session 6 TG - Session 6</p>
8	<b>BOOTSTRAP - TL8</b>	<p>The workshop lessons of Session 6 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.</p>	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 6</p>

Session No.	Session Title	Session Details	Deliverables' Mapping
	<b>S3</b>	All the Assignment topics of Session 5 and Session 6 of <i>Developing Responsive Websites with Bootstrap and jQuery</i> course should be covered in this session.	<p><b><u>Developing Responsive Websites with Bootstrap and jQuery</u></b></p> <p><b>(Onlinevarsity)</b></p> <p>Session 5 and 6</p>

## 6. Library References

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<b>Bootstrap: Responsive Web Development</b> by Jake Spurlock
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<b>Step By Step Bootstrap 3: A Quick Guide to Responsive Web Development Using Bootstrap 3</b> by Riwanto Megosinarso
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