



SECOND-YEAR DIPLOMA COMPUTER ENGINEERING SYLLABUS

Semester: 3RD

Course Code: 002204310

Type of Course: PCC-LC-9

Course Name: **Responsive web pageLAB**

Course Prerequisites: Basic knowledge of Responsive web page.

COURSE OBJECTIVE(S):

Bootstrap CSS Contains global CSS classes for typography, tables, grids, forms, buttons, images etc.

- High built-in Support for layout, grids, fluid grids, and responsive and mobile first web designs.
- Bootstrap Components which contain various reusable components including Icons,
- Dropdowns, Navbars, Breadcrumbs, Popovers, Alerts, and many more.
- Various jQuery and JavaScript Plug-ins which added one by one in webpages to enhance user experience.

TEACHING & EXAMINATION SCHEME:

Teaching Scheme (Hrs/Week)				Examination Scheme				
Theory	Tutorial	Practical	Credit	SEE		CA		
				Th	Pr	MSE	PLE	LA
0	0	2	1	00	25	00	00	25
				Total				
				50				

Th: Theory; Pr: Practical; FA: Final Assessment; CAT: Continuous Assessment Theory; CAP: Continuous Assessment Practical;

TOTAL Practical Hours: No. of Practical Hrs/Week*15 = 30

LIST OF PRACTICALS: (sample for 2 hrs/week)*15 weeks

Sr. No.	Content	Unit No.	Time Duration
1	Install Bootstrap framework and understand various tags, attributes of HTML and other necessary files to make responsive web page.	1	2
2	Design web page that shows department name, college name at center of web page by using bootstrap framework and without using bootstrap framework.	1	2
3	Display student information content on responsive web page by using container and container-fluid classes.	2	2
4	Use offset column, reordering column and Nesting column to create responsive web page for given format.	2	2



SECOND-YEAR DIPLOMA COMPUTER ENGINEERING SYLLABUS

5	Create responsive web page of your class time table by using bootstrap grid system.	2	2
6	Design responsive web page that shows odd (sem1, sem3, sem5) and even (sem2, sem4, sem6) semester consider as menu, courses of each semester as submenu using button groups and button toolbar component.	3	2
7	Create responsive web page of education web site using boot strap bread crumb, pagination, labels/badge, Jumbo tron/page header, thumbnail components.	3	4
8	Following tasks to be performed using bootstrap progress bars component. A) Creating progress bars B) Adding label to progress bars C) Creating multi-color, stripped and animated progress bars D) Changing value of progress bar dynamically using JavaScript	3	4
9	Use media, rounded media, Nested media object to create responsive web page for all family members in hierarchical order.	3	2
10	Design a smooth page transition between home page, about and contact us page using bootstrap transition plugin.	4	2
11	Design animated photo gallery page using Carousel bootstrap plugin with minimum seven photos.	4	2
12	Develop advanced responsive website with minimum Five to seven pages on any of following domains (Tourism, Hospitality, Airlinereservation, Medical, Ecommerce etc.)	4	4
		TOTAL	30

Text Book(s):

Title of the Book	Author(s)	Publication
Responsive web page	Ben fraim	Fourth edition

Reference Book(s):

Title of the Book	Author(s)	Publication
Bootstrap	JakeSpurlock	O'ReillyMedia
BootstrapReferenceGuide	JacobLett	BootstrapCreative.
Bootstrap4Cookbook	AjdinImsirovic	PacktPublishingLimited.
HTML&CSS:TheCompleteReference	ThomasPowell	TataMcGrawHills,

Web Material Link(s):



SECOND-YEAR DIPLOMA COMPUTER ENGINEERING SYLLABUS

- <https://www.geeksforgeeks.org/bootstrap/>
- <https://www.getbootstrap.com>
- <https://www.w3schools.com/bootstrap/>
- <https://www.websitesetup.org/bootstrap-tutorial-for-beginners/>
- <https://www.tutorialrepublic.com/twitter-bootstrap-tutorial/>
- <https://www.tutorialspoint.com/bootstrap/index.htm>
- 12 Awesome CSS3 Features That You Can Finally Start Using - Tutorialzine
- Twitter Bootstrap Tutorial for Beginners (ieatcss.com)
- CSS3 - Tutorial (tutorialspoint.com)
- CSS3 Tutorial - An Ultimate Guide for Beginners (tutorialrepublic.com)

Equivalent/Corresponding Course on NPTEL (SWAYAM):

NPTEL course on

https://onlinecourses.nptel.ac.in/noc21_cs02/preview

<https://nptel.ac.in/courses/106/105/106105151/>

PRACTICAL EVALUATION:

Sr. No.	Activity	Marks	Weightage
1	Semester End Examination (External Practical)	30	60%
2	Continuous Assessment Practical (CAP)	20	40%
	Semester End Examination (External Practical)		
1(a)	Lab Experiment/Exercise		30%
1(b)	Viva-voce		20%
1(c)	Certified Record		10%
	Continuous Assessment Practical (CAP)		
2(a)	Day to day Laboratory Work & Attendance		15%
2(b)	Submission of Laboratory Work/Journal		10%
2(c)	Exam		15%

* For 4 Credit Subjects

1 Credit = 25 Marks

Theory: 3 Credits = 75 Marks

Practicals: 1 Credit = 25 Marks

SEE Evaluation will be of 100 marks and converted to 50 Marks (75 Th + 25 Pr)

CA Evaluation will be of 100 Marks and converted to 50 Marks. (75 Th + 25 Pr)

Distribution of Marks for Theory Evaluation as per Bloom's Taxonomy Level:

Level	Remember	Understand	Apply	Analyze	Evaluate	Create
% Weightage	20%	20%	25%	15%	10%	10%

COURSE OUTCOMES:



SECOND-YEAR DIPLOMA COMPUTER ENGINEERING SYLLABUS

CO1	Prepare environment for Bootstrap framework for first time use.
CO2	Build different web page layouts adhering to all at forms and sizes.
CO3	reusable bootstrap components to design effective user-friendly web pages.
CO4	Develop interactive features rich web pages using Bootstrap jQuery plug-ins.