

**Suggested Course Practical List:**

1. Install Bootstrap framework and understand various tags, attributes of HTML and other necessary files to make responsive web page.

w.e.f. 2024-25

<http://syllabus.gtu.ac.in/>

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**GUJARAT TECHNOLOGICAL UNIVERSITY**

**Program Name: Engineering**

**Level: Diploma**

**Branch: Computer Engineering / Computer Science & Engineering**

**Subject Code : DI03000061**

**Subject Name : Responsive Web Page Design**

2. Design web page that shows department name, college name at center of web page by using bootstrap framework and without using bootstrap framework.
3. Display student information content on responsive web page by using container and container-fluid classes.
4. Use offset column, reordering column and Nesting column to create responsive web page for given format.
5. Create responsive web page of your class time table by using bootstrap grid system.
6. Shows at least five to six co-curricular/Extra activities of student that includes multiple images and short description of each activity on responsive web page using responsive images with different styles and responsive tables with 3 to 4 different styles such as hover state when mouse over, different color of each row, table with striped row etc.

7. Use bootstrap typography to create responsive web page on given blog topic.
8. Design responsive web page for student registration form using bootstrap form layout, form control, bootstrap buttons.
9. Create various types of menus using bootstrap menu components such as right aligned dropdown menu, drop up menu, adding headers of each item etc. and glyphs components.
10. 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.
11. Use different bootstrap input groups components to create responsive webpage for job application or any other kind of application.
12. Use Navigation tabs/Pills to create responsive web page for summarize of all individual units of any one course.
13. Use Nav bar component to create responsive fixed to top menu design includes logo, menu, drop down menu, form input elements such as sign-up button, search mechanism etc. And fixed to bottom menu design contains footer information.
14. Create responsive web page of education website using bootstrap breadcrumb, pagination, labels/badge, Jumbotron/page header, thumbnail components.
15. 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
16. Use media, rounded media, Nested media object to create responsive web page for all family members in hierarchical order.
17. Create responsive webpage of various service provider information using bootstrap panel component, List group component, various alert messages and show message after bootstrap alert has been closed.
18. Design a smooth page transition between homepage, about and contact us page using bootstrap transition plugin.
19. Design a webpage with different modal dialog for "Save record confirmation", "Delete record confirmation" using model dialog plugin of bootstrap.
20. Design news story page to demonstrate usage of Scrollspy for multiple section, Tooltip for different photos and Collapsible and popover plugins of bootstrap.
21. Design animated photo gallery page using Carousel bootstrap plugin with minimum seven photos.
22. Design header and footer of webpage of any domain using Bootstrap Utility class.
23. Create responsive webpage to demonstrate usage of Customizing Bootstrap with Sass.
24. Design webpage to demonstrate usage of Customize bootstrap components and themes.
25. Develop advanced responsive website with minimum Five to seven pages on any of following domains (Tourism, Hospitality, Airline reservation, Medical, E commerce etc.)