

Week-5 Bootstrap Experiments

Experiment 1: Design a Student Timetable using Bootstrap Containers, Grid, Images, and Buttons

- Create a timetable webpage using **container/container-fluid** and **grid system**.
- Each cell should display subject info and a small **Bootstrap button** for “Details”.
- Add subject logos/icons using .img-fluid.
- **Analyze:** Compare the effect of using .container vs .container-fluid on layout width.

Experiment 2: Build a College Website Header with Navbar, Tabs/Pills, and Alerts

- Create a **Navbar** with brand name and menu items (Home, Departments, Contact).
- Add a **Tabs/Pills section** below it to switch between content (Overview, Notices, Help).
- Show **Bootstrap Alerts** inside the Notices tab (e.g., “Admissions Open!”).
- **Analyze:** Discuss when Tabs/Pills are better than separate pages.

Experiment 3: Design a Student Registration System using Forms and Modals

- Create a **Registration Form** (Name, Email, Password, Gender, Skills, Country).
- Add **validation** (is-valid, is-invalid).
- Open the form inside a **Modal** when “Register” button is clicked from navbar.
- **Analyze:** Compare usability of placing the form inside a Modal vs a standalone page.

Experiment 4: Create a Campus Gallery using Bootstrap Carousel and Cards

- Implement a **Carousel** with 3 images of campus life (auto-sliding).
- Add captions and a **call-to-action button** inside each slide.
- Below the carousel, display **Cards** for “Library”, “Labs”, “Sports” in a grid layout.
- **Analyze:** Modify data-bs-interval and compare how it changes carousel behavior.

Experiment 5: Develop a Student Records Dashboard using Bootstrap Tables and Alerts

- Create a **responsive table** (.table, .table-striped, .table-hover) to show student details.
- Add a **filter form** above the table.
- Show a **dismissible Alert** if no records are found.
- **Analyze:** Compare .table-responsive at table-level vs container-level for mobile view.