Workshop on Web Design and Development

This week-long course is designed to enable students to develop a standalone web application that they can customise and enhance according to their needs. Participants will learn how to build a website featuring a registration form, store form data in a file, and generate visualisations using third-party libraries to display results dynamically on the page. The course covers an engaging topic carefully selected to capture students' interest and provide a comprehensive understanding of end-to-end programming.

The following table details the concepts that will be covered day-wise.

Day	Concepts Covered	Resource Person(s)
Day 1	1. Web App Concepts 2. Components of Web Designing 3. IDE 4. HTML and CSS Basics	Ruchi Singhal Ayushi Gupta
Day 2	1. JavaScript Basics 2. Events and Event Handling 3. Form Validation	Ruchi Singhal Ayushi Gupta
Day 3	1. Form Enhancement 2. Introduction to Third Party Libraries 3. Introduction to Asynchronous Programming	Ruchi Singhal Ayushi Gupta
Day 4	1. Asynchronous Programming (Continued) 2. Local Storage Management	Ruchi Singhal Ayushi Gupta
Day 5	1. Visualisations and Result Analysis 2. Conversation with Industry Expert (Rishav Raj)	Ruchi Singhal Ayushi Gupta Rishav Raj

Resource Persons:

1. Ruchi Singhal, Assistant Professor, SSCBS, University of Delhi

2. Ayushi Gupta, Assistant Professor, SSCBS, University of Delhi

3. Rishav Raj, Industry Expert

Maximum Number of Participants: 25-30