**Department of CSE (Data Science) (2023-2024)**

**SDC LAB**

**LIST OF EXPERIMENTS**

1. Build a responsive web application for shopping cart with registration, login, catalog and cart pages using CSS3 features, flex and grid.
2. Make the above web application responsive web application using Bootstrap framework.
3. Use JavaScript for doing client – side validation of the pages implemented in experiment 1 and experiment2.
4. Explore the features of ES6 like arrow functions, callbacks, promises, async/await. Implement an application for reading the weather information from openweathermap.org and display the information in the form of a graph on the web page.
5. Create an xml for the bookstore. Validate the same using both DTD and XSD.
6. Maintaining the transactional history of any user is very important. Explore the various session tracking mechanism (Cookies, HTTP Session).
7. Create a django application for the student management system having registration, login, contact, about pages and implement routing to navigate through these pages.
8. Create a service in django that fetches the weather information from openweathermap.org and the display the current and historical weather information using graphical representation using chart.js.
9. Create a TODO application in django with necessary components and deploy it into github.
10. Develop a django web application that can interact with REST API to perform CRUD operations on student data. (Use Postman).