**Python for Data Science**

**Basic Concept: Python and JavaScript - Form Validation:** Design any case study that creates and validates a HTML form. On the server side, use Python to display the details entered by the user at the client side along with appropriate validation messages. Use Display appropriate messages if error occurs, and redirect to the another HTML page if successful.

1. **Python and JavaScript - ATM Application:** Design a HTML form that displays user’s current balance, an input field to enter amount and buttons to withdraw or deposit money. Validate the form such thatnegative amount cannot be entered and Users cannot withdraw more than 5000 at one time
2. **Python and JavaScript - Shopping Cart Application**: Design a simple Shopping Cart application which allows users to add items to their cart from a list of products. Allow users to view their cart (items and quantities of each).
3. **Python and JavaScript – Student Registration:** Design a HTML form that displays two text fields to input the user’s USN and Date of Birth. Validate the data entry on the server side using Python so that null values are not accepted, USN is accepted in a proper pattern as well as date validations are done.