

S.No.	Lab Name	Class Name	Block	Faculty Incharge	Lab Technical Staff	Room Number
1	Web Technology	IV Year (IT-B)	GBS	Mr. Akshay Tiwari	Mr. Nivesh Bhardwaj	105

S.No.	Lab Name	Software	Hardware Configuration	Description
1	Web Technology	<ul style="list-style-type: none"> <li>• Windows 10</li> <li>• MS Office</li> <li>• Turbo C++</li> <li>• Java</li> <li>• Python</li> <li>• Prolog</li> <li>• SQL</li> </ul>	Intel(R) Core(TM) i5-2400 CPU @ 3.10GHz	Web Technologies Lab enables students to develop skills in building modern web applications. Through practical exercises and projects, students gain proficiency in HTML, CSS, JavaScript, and frameworks like React or Angular. This lab fosters creativity, problem-solving, and collaboration, preparing students for careers in web development and user interface design. This lab equips students with the skills to create engaging and interactive web experiences.

Exp. No.	Name of Experiment
1	Write HTML/Java scripts to display your CV in navigator, your Institute website, Department Website and Tutorial website for specific subject
2	Write an HTML program to design a Form with name, email and password fields. Use java script to validate these fields.
3	Write a program in java to print volume and surface area of a BOX.
4	Write a java Program to implement Inheritance and Polymorphism.
5	Write a Java applet to display the Application Program screen i.e. calculator and other.
6	Writing program in XML for creation of DTD, which specifies set of rules. Create a style sheet in CSS/ XSL & display the document in internet explorer.
7	Program to illustrate JDBC connectivity. Write a program for maintaining database by sending queries. Design and implement.a simple servlet book query with the help of JDBC & SQL. Create MS Access Database, Create on ODBC link, Compile & execute JAVA JDVC Socket.
8	nstall TOMCAT web server and APACHE. Access the above developed static web pages for books web site, using these servers by putting the web pages developed.

9	Assume four users user1, user2, user3 and user4 having the passwords pwd1, pwd2, pwd3 and pwd4 respectively. Write a servlet for doing the following. Create a Cookie and add these four user id's and passwords to this Cookie. 2. Read the user id and passwords entered in the Login form and authenticate with the values available in the cookies.
10	Install a database (Mysql or Oracle). Create a table which should contain at least the following fields: name, password, email-id, phone number. Write a java program/servlet/JSP to connect to that database and extract data from the tables and display them. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page.
11	Write a JSP which insert the details of the 3 or 4 users who register with the web site by using registration form. Authenticate the user when he submits the login form using the user name and password from the database
12	Design and implement a simple shopping cart example with session tracking API.