LIST OF EXPERIMENTS

(AS PER GGSIP UNIVERSITY SYLLABUS)

Laboratory Name: **WEB TECHNOLOGY LAB**

Course Code: **ETCS 356**

1. Prepare a stepwise instruction set to configure Apache/XAMPP/WAMPP web Server for web application. Ensure that the server includes Apache.

2. Design a static home page based on your interest (using basic HTML tags). *

3. Design webpages to demonstrate use of Tables and Forms. *

4. Design webpages to demonstrate use of Cascading Style Sheets (Internal, Embedded, and External). *

5. Design an XML Catalogue of your choice to understand the working structure of XML. You may choose a Food Menu, CD database or any other to understand the child-parent relationship in XML.

6. Design a webpage that displays Current Date and Time using JavaScript. *

7. Design a simple form that includes Email, Password and Phone Number as a field and use JavaScript to validate the Email Address (for proper Structure), Phone number (to follow 10-Digit norms) and Password (to include at-least one Alphanumeric and one number). *

8. Deploy a Content Management System (CMS) and prepare a stepwise instruction on how to configure the CMS on Apache/XAMPP/WAMPP. *

9. In a Team of Two, choose a topic to design a website and decide upon the content. Prepare the content in a word file that will appear on the website. Also, Design a Visual site-map for the website (Pictorial representation of page linkage)

10. Configure the CMS and Add the content according to the design and visual site-map for the website. *

11. Configure the CMS and choose addons to improve upon the aesthetics for improving the visual appeal of the website. *

12. Use an Online Website builder to build the same website and similar aesthetics to understand and compare the complexity of website deployment in both online and offline environment. You may choose a free service like wix.com, weebly.com, wordpress.com or any other option of your choice.

NOTE: Experiments marked '*' are to be deployed on XAMPP/WAMPP/Apache web server and tested.