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## BCSL057: WEB PROGRAMMING LAB

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### 1.0 INTRODUCTION

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This lab course provides you information about the tool that you need to use for practical of Web programming course. This lab course supports the course BCS053: Web Programming. We propose that you use an IDE such as Netbeans, Eclipse or any other IDE for web development. You are advised to install the latest version of these IDEs. This lab course includes 10 practical sessions of 3 hours each. This lab manual lists the lab exercises that you need to perform during each of the lab sessions. You should try to use the available time by coming fully prepared with the exercise.

First two sessions are focused on HTML and CSS. You should try to create a small web site using HTML tags and CSS. Session 3 is about creating simple XML document and viewing those documents. Session 4 focusses on creating a small web page using WML that can be viewed on a mobile. Session 5 and 6 focusses on use of JavaScript. Last four sessions are devoted to writing JSP and JDBC oriented code.

You may need a web server to display the web pages that you may create. Fortunately, the present day IDEs also include a web server. For example Netbeans is bundled with web servers – Apache and Glassfish. For the purpose of back end database we will demonstrate the use of MySQL. However, you may use any database technology at your study centre. In such case you have to use the necessary drivers.

In this lab manual, we have used Netbeans IDE 7.3.1. We first discuss about the process of installation of Netbeans along with the web server and database system. We then explain creating HTML, XML, Web Application, JSP pages etc using it.

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### 1.1 OBJECTIVES

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After completing this lab section, you should be able to:

# L Scheme Lab Manual For Web Programming

**Huangqi Zhang**



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