TGMC Agenda – Eclipse, WASCE, DB2

1. **Overview of J2EE & Server side programming (60 mins)**
   a. Basics of J2EE programming
   b. Introduction to JSP & Servlets
2. **Eclipse IDE (120 mins)**
   a. Introduction
      i. Open Source Users and Developers community
      ii. Reusable GUI Framework
      iii. Plug-ins extend Eclipse beyond Java programming
      iv. Uniform Developer Experience across platforms
   b. Downloading & Installing Eclipse
      i. Downloading Eclipse
      ii. Unzip & Install the Eclipse Distribution
      iii. Application Server Eclipse Plug-in Installation
   c. Java Tooling in Eclipse – Just the basics

   d. Workbench Basics (Workspace, Workbench, Perspectives, Views, File Import & Export, Preference & Properties, Projects)
   e. Java Development (Java Project, Creation of Java packages & classes, Run Java program, Add & Organize imports, Local history, Scrapbook page)
   f. Web development (Enterprise application structure, Create Project(Dynamic & Static Web projects), Running Applications – Server Instance, Configuration)

3. **Working with DB2 (100 mins)**
   Introduction to DB2
      i. Connecting Eclipse to DB2 Express – 'C'
      ii. Creating a DB2 Express – 'C' connection in the Database Explorer

   a. Working with Data in the Data Output and Data Explorer Views
      iii. Examining Table schema
      iv. Viewing the table content
      v. Modifying the table content
      vi. Generating Data definition language (DDL) for your table

   b. Creating a Web Application with Eclipse & WTP
      vii. Kick-start components working together
      viii. Creating a new Eclipse project
      ix. Generated deployment descriptor and plan
      x. Coding a JSP to access Employee data
      xi. Linking an Application data source reference to an Application Server database pool
      xii. Downloading and copying JSTL library JARs
      xiii. Application Server as a Web server: Adding static content
      xiv. Deploying applications to application server
4. **WASCE (60 mins)**
   Introduction about WASCE
   Application server and Web server
   Usage of Application server in Web development

   a. Configuring Application Server for an Internet website
      xv. Application server as a web server
      xvi. Modifying the application deployment context