

MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY

SANTOSH, TANGAIL-1902



DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

Lab Report

Lab Report No: 05

Lab Report on: Servlet Controller in Java EE – Managing Model and View (MVC)

Course Title: Software Engineering and Project Management Lab

Course Code: ICT-3108

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In a Java EE application, a servlet works as a controller. The controller manages the flow between model and view. The model contains business data and logic. The servlet gets data from the model. Then it sends this data to the view. JSP is used as the view to show data to the user. The servlet forwards the request to JSP using Request Dispatcher. Data is sent using request attributes. JSP reads the data and displays it. Thus the servlet controller controls the application flow.

Java code:

```
import java.io.*  
import javax.servlet.*;  
import javax.http.*;  
public class HelloServlet extends HttpServlet {
```

```

protected void doGet (HttpServletRequest req,
    HttpServletResponse res)
    throws ServletException, IOException {
    String name = "Student";
    req.setAttribute ("msg", name);
    RequestDispatcher rd = req.getRequestDispatcher
        ("hello.jsp");
    rd.forward (req, res);
}

```

JSP code for view:

```

<html>
<body>
<h2> Hello, & $ {msg} </h2>
</body>
</html>

```