

UNIVERSITY OF MADRAS
M.Sc. DEGREE PROGRAMME IN COMPUTER SCIENCE
SYLLABUS WITH EFFECT FROM 2023-2024

Title of the Paper	Web Technology and Advanced Java Practical		
Core–VIII - Practical	I Year & II Semester	Credit:3	436C2D

COURSE OBJECTIVES:

Learn how to create a program in java beans.

Learn how to connect relational database to Java

Develop the program using concepts servlets and JSP

Course Outcomes

1.	Implement Remote method invocations.	K1, K2
2.	Apply servlet in web applications	K2, K3
3.	Develop Servlets for creating Web based applications using JDBC.	K3, K4
4.	Develop JSP for creating Web based applications using JDBC.	K5
5.	Test java beans and session tracking	K5, K6
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate; K6-Create		

List of Experiments:

Use CSS where ever applicable

1. Create a simple calculator application that demonstrates the use of RMI. You are not required to create GUI.
2. Create Servlet That Prints Hello World.
3. Create Servlet That Prints Today's Date
4. Create Servlet for login page, if the username and password is correct then prints message "Hello username" else a message "login failed".
5. Create Servlet that uses cookies to store the number of times a user has visited the servlet.
6. Create a Servlet for demo of KBC game.
7. There will be continuous two or three pages with different MCQs. Each correct answer
8. carries Rs. 10000. At the end as per user's selection of answers total prize he won should be declared. User should not be allowed to backtrack.
9. Create a Servlet filter that calculates server's response time and add it to response when giving it back to client.
10. Create a jsp that prints hello world.

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11. Create jsp that prints current date and time.
12. Create a jsp that add and subtract two numbers.
13. Create a jsp for login module.
14. Create a web page that prints 1 to 10 using JSTL
15. Create a custom JSP tag that prints current date and time. Use this tag into JSP page.

Mapping with Programme Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	S	S	S	S	S	S	S	S	M	M	M	M
CO2	S	S	S	S	S	S	S	S	S	S	M	M
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

S- Strong; M-Medium; L-Low