United College of Engineering and Research
Department of Information Technology
Lecture Plan

Name of Course	Web Technology
AKTU Course Code	**KCS-602**
Branch	**Computer Science and Engineering**
Semester	**VI**
Section	
Total Number of Students	
Name of Faculty	**Abhishek Kesharwani**
Number of Lecture Proposed	**47**

S.No	Unit No	Topic	CO	No of Lectures Required	No of Student present	Actual Date of Completion	TLM	Signature of Incharge
1		Introduction and Web Development Strategies, History of Web and Internet		1				
2		Protocols governing Web,Writing Web Projects, Connecting to Internet		1				
3		Introduction to Internet services and tools, Introduction to client-server computing		1				
4		Core Java Introduction, Operator, Data type		1				
5		Variable, Arrays		1				
6		Methods & Classes		1				
7		Inheritance		1				
8	1	Package and Interface	1	1				
9		Exception Handling		1				
10		Multithread programming		1				
11		I/O,		1				
12		Java Applet		1				
13		String handling		1				
14		Introduction to AWT, AWT controls		1				
15		Layout managers, Event handling		1				
No of Lectures Required to complete Unit 1				**15**		**No of Lectures Taken:**		
16		HTML: List		**1**				
17		Table		**1**				
18	**2**	Images	**2**	**1**				
19		Frames		**1**				

20		Forms	1					
21		CSS	1					
22		CSS	1					
23		XML	1					
24		DTD	1					
25		XML Schema, Object Models, Using XML Processors: DOM and SAX	1					
26		Presenting and using XML	1					
27		Dynamic HTML	1					
No of Lectures Required to complete Unit 2			**12**		**No of Lectures Taken:**			
28		Introduction to JavaScript, Documents	1					
29		Forms, Statements	1					
30		Functions, Objects	1					
31		Introduction to AJAX	1					
32		Networking: Internet Addressing, InetAddress, Factory Methods, Instance Methods	1					
33	3	URL, URL Connection	1	3				
34		TCP/IP Client Socket, TCP/IP Server Socket, Datagram	1					
			7		**No of Lectures Taken:**			
35		Enterprise Java Bean: Preparing a Class to be a JavaBeans, Creating a JavaBeans JavaBeans Properties, Types of beans, Stateful Session bean, Stateless Session bean, Entity bean.	1					
36		Merging Data from Multiple Tables: Joining, Manipulating	1					
37	4	Transaction Processing, Stored Procedures	1	4				
38		Databases with JDBC,	1					
39		PreparedStatements	1					
No of Lectures Required to complete Unit 4			**5**		**No of Lectures Taken:**			
40		Servlets: Servlet Overview and Architecture, Interface Servlet and the Servlet LifeCycle	1					
41		Handling HTTP get Requests, Handling HTTP post Requests, Redirecting Requests to Another Page	1					
42		Session Tracking, Session Tracking with Http Session, Cookies	1					
43		Java Server Pages (JSP): Introduction, Java Server Pages Overview	1					
44		Scripting, Standard Actions, A First Java Server Page Example	1					
45	5	Implicit Objects	1					

46	Directives	1					
47	Custom Tag Libraries	1					
		8		No of Lectures Taken:			

Teaching and Learning Methods	
TLM1	Chalk and Talk
TLM2	PPT
TLM3	Tutorial
TLM4	Online

	Text Books & References
1	Burdman, Jessica, "Collaborative Web Development" Addison
2	Xavier, C, " Web Technology and Design" , New Age International
3	Ivan Bayross," HTML, DHTML, Java Script, Perl & CGI", BPB Publication
4	Tanveer Alam, Internet & Java Programming, Khanna Publishing House Wesley
5	Bhave, "Programming with Java", Pearson Education
6	Herbert Schieldt, "The Complete Reference:Java", TMH.
7	Hans Bergsten, "Java Server Pages", SPD O'Reilly
8	Margaret Levine Young, "The Complete Reference Internet", TMH
9	Naughton, Schildt, "The Complete Reference JAVA2", TMH

Course Outcomes (COs)	
At the end of this course students will demonstrate the ability to:	
CO1	To understand the basic concepts of Internet, protocols used and Java programming.
CO2	To develop static/dynamic web pages by the use of HTML, CSS, DHTML and XML.
CO3	To validate Forms using JavaScript and also able to create Client Server applications using Socket programming.
CO4	To establish connection between java programs and Database; also performs DML and DDL operationson database.
CO5	To develop dynamic web application (server-side scripting) using Servlet and JSP.

Faculty Instructor   Course Coordinator   Lecture Plan Incharge   Programme Coordinator   Head of Department