J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CSE

Class: IV Year I Semester

SUB: **ADVANCED COMPUTER ARCHITECTURE**

Faculty Name: SAADH

Lesson Plan **Academic year: 2011**

Lecture No.	Unit No	Topic	Chapter nos. from Text Books and References
1.		Introduction of ACA	
		UNIT I	Hand out -1
2.	1	Fundamentals of Computer design	
3.	1	- Technology trends-	
4	1	measuring and reporting performance	
5	1	measuring and reporting performance	
6.	1	cost-price	
7.		cost-price	
8.	1	quantitative principles of computer design.	
9.		quantitative principles of computer design.	
		UNIT II	Hand out –2
10.	2	Instruction set principles and examples	
11.	2	classifying instruction set	

12.	2	memory addressing-	
13.		memory addressing-	
14.	2	type and size of operands	
15.	2	addressing modes for signal processing	
16.	2	operations in the instruction set	
17.		operations in the instruction set	
18.	2	instructions for control flow	
19.	2	encoding an instruction set	
20.	2	the role of compiler	
		UNIT III	Hand out –3
21.	3	Instruction level parallelism (ILP)	
22.	3	over coming data hazard	
23.	3	reducing branch costs	
24.	3	high performance instruction delivery- hardware	
25.	3	high performance instruction delivery hardware	
26.	3	based speculation	
27.	3	limitation of ILP	
		UNIT IV	Hand out –4
28.	4	ILP software approach-	

29.	4	compiler techniques-	
30.	4	static branch protection	
31.	4	VLIW approach	
32.	4	H.W support for more ILP at compile time	
33.		H.W support for more ILP at compile time	
34.	4	H.W verses S.W Solutions	
		UNIT V	Hand out –5
35.	5	Memory hierarchy design	
36.		Memory hierarchy design	
37.	5	cache performance-	
38.	5	reducing cache misses penalty and miss rate	
39.	5	virtual memory	
40.	5	protection and examples of VM.	
		UNIT VI	
41.	6	Multiprocessors and thread level parallelism	Hand out –6
42.	6	symmetric shared memory architectures	
43.	6	distributed shared memory	

44		distributed shared memory	
45.	6	Synchronization	
46	6	multi threading.	
		UNIT VII	
47.	7	Storage systems- Types	Hand out –7
48.	7	Buses	
49.	7	RAID	
50		RAID	
51.	7	errors and failures	
52.	7	bench marking a storage device	
53.	7	designing a I/O system	
		UNIT VIII	Hand out –8
54.	8	Inter connection networks and clusters	
55.	8	interconnection network media	
56.	8	practical issues in interconnecting networks examples	
57.	8	cluster	
58.	8	designing a cluster.	

Lesson Plan for Each Class:

Time	**Topic**
5 Minutes	Revision of Previous Chapter

5 Minutes	Outline of the Discussion
30 Minutes	Lecture
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts

References:

Type	**Detail**
Text 1 (T1)	Computer Architecture A quantitative approach 3rd edition John L. Hennessy & David A. Patterson Morgan Kufmann (An Imprint of Elsevier)
Reference (R1)	Computer Architecture and parallel Processing" Kai Hwang and A.Briggs International Edition McGraw-Hill.
Reference (R2)	Advanced Computer Architectures, Dezso Sima, Terence Fountain, Peter Kacsuk, Pearson.
Reference (R3)	Parallel Computer Architecture, A Hardware / Software Approach, David E. Culler, Jaswinder Pal singh with Anoop Gupta, Elsevier

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JB Institute of Engineering and Technology
CSE Department
IV B.Tech CSE

Subject Plan for SPM
By Fazal

Subject Plan **Academic year: 2011-2012**

Lecture No.	Unit No	Topic	Chapter nos. from Text Books and References
1.	1	**Conventional Software Management :** The waterfall model,	Hand out-1
2.	1	conventional software Management performance	
3.	1	**Evolution of Software Economics :** Software Economics,	
4.	1	pragmatic software cost estimation.	
5.	2	**Improving Software Economics :** Reducing Software product size	Hand out-2
6.	2	improving software processes	
7.	2	improving team effectiveness	
8.	2	improving automation	
9.	2	Achieving required quality, peer inspections	
10.	2	**The old way and the new :** The principles of conventional software Engineering	
11.	2	principles of modern software management	
12.	2	transitioning to an iterative process.	
13.	3	**Life cycle phases :** Engineering and production stages	Hand out-3
14.	3	Inception, Elaboration, construction, transition phases.	

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Subject Plan for SPM
By Fazal

15.	3	**Artifacts of the process :** The artifact sets	
16.	3	Management artifacts	
17	3	Engineering artifacts.	
18	3	programmatic artifacts.	
17.	4	**Model based software architectures :** A Management perspective and technical perspective.	Hand out-4
18.	4	**Work Flows of the process :** Software process workflows.	
19.	4	Iteration workflows.	
20.	5	**Checkpoints of the process :** Major mile stones	Hand out-5
21.	5	Minor Milestones, Periodic status assessments.	
22.	5	**Iterative Process Planning :** Work breakdown structures	
23.	5	planning guidelines	
24.	5	cost and schedule estimating	
25.	5	Iteration planning process	
26.	5	Pragmatic planning.	
27.	6	**Project Organizations and Responsibilities :** Line-of-Business Organizations	Hand out-6
28.	6	Project Organizations	
29.	6	evolution of Organizations.	

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Subject Plan for SPM
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30.	6	**Process Automation :** Automation Building blocks,	
31.	6	The Project Environment.	
32.	7	**Project Control and Process instrumentation :** The seven core Metrics	Hand out-7
33.	7	Management indicators	
34.	7	quality indicators	
35.	7	life cycle expectations	
36.	7	pragmatic Software Metrics	
37.	7	Metrics automation.	
38.	7	**Tailoring the Process :** Process discriminants.	
39.	8	**Future Software Project Management :** Modern Project Profiles	Hand out-8
40.	8	Next generation Software economics	
34.	8	modern process transitions.	
37		**Case Study:** The command Center Processing	
38		**Case Study:** Display system Replacement (CCPDS-R)	

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Subject Plan for SPM
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Text Book:

Type	Detail
Text 1 (T1)	1. Software Project Management, Walker Royce: Pearson Education, 2005.

References:

Type	Detail
Reference Book (Ref-1)	1. Software Project Management, Bob Hughes and Mike Cotterell: Tata McGraw-Hill Edition.
Reference Book (Ref-2)	2. Software Project Management, Joel Henry, Pearson Education.
Reference Book (Ref-3)	3. Software Project Management in practice, Pankaj Jalote, Pearson Education.2005.

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Subject Plan for SPM
By Fazal

Lesson Plan for Each Class:

Time	Topic
5 Minutes	Revision of Previous Chapter
5 Minutes	Outline of the Discussion
30 Minutes	Lecture
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts/attendance

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JB Institute of Engineering and Technology

Department of Computer Science & Engineering

IV B.Tech (CSE) Section A & B

Subject: Network Programming **Faculty: G. Sreenivasulu**

Subject Plan

Lecture No.	Unit No	Topic	Text Books and References
1.	UNIT-I	Introduction to Network Programming	T1,
2.		OSI model vs Internet Protocol Suite, Unix standards	T1
3.		TCP , UDP and SCTP	T1,
4.		TCP connection establishment and Termination	T1
5.		SCTP Association Establishment and Termination	T1,
6.		Buffer sizes and limitation, standard internet services,	T1
7.		Protocol usage by common internet application.	T1,
			Handout – 1
8.	UNIT- II	Introduction to Socket Programming, IPC using Sockets	T1,
9.		Socket Address Structures, Generic , IPV4 and IPV6	T1
10.		Value – Result arguments, Byte ordering functions	T1,
11.		Byte Manipulation function and related functions	T1
12.		TCP Socket Time Line Diagram, socket(), bind(), listen(),	T1,
13.		connect(), accept() etc , fork and exec function	T1
14.		Concurrent servers. Close function and related function.	T1
			Handout – 2
15	UNIT- III	Simple TCP Client / Server	T1,
16		TCP Echo server functions	T1
17		Normal startup, terminate and signal handling	T1,
15.		server process termination	T1
16.		Crashing and Rebooting of server host	T1,
17.		shutdown of server host	T1
			Handout – 3
18.	UNIT- IV	Introduction to I/O Multiplexing and socket options	T2,R2
19.		I/O Models, select function	T2,R2
20.		Batch input, shutdown function, poll function	T2,R2
21.		TCP Echo server, getsockopt and setsockopt functions	T2,R2
22.		Socket states, Generic socket option IPV6 socket option	T2,R2
23.		ICMPV6 socket option IPV6 socket option	T2,R2
24.		TCP socket options	T2,R2
			Handout – 4
25.	UNIT- V	Introduction to Elementary UDP sockets	T2,R2
26.		UDP Echo server function	T2,R2
27.		lost datagram	T2,R2
28.		summary of UDP example	T2,R2
29.		Lack of flow control with UDP	T2,R2
30.		determining outgoing interface with UDP	T2,R2
			Handout – 5

JB Institute of Engineering and Technology

Department of Computer Science & Engineering

IV B.Tech (CSE) Section A & B

Subject: Network Programming **Faculty: G. Sreenivasulu**

31.	UNIT-VI	Elementary name and Address conversion	T2,R2
32.		Domain Naming System	T2,R2
33.		gethost by Name function, Resolver option	T2,R2
34.		Function and IPV6 support	T2,R2
34.		uname function,	T2,R2
35.		other networking information	T2,R2
			Handout – 6
36.	**UNIT-VII**	Introduction to Interprocess Communication	T2,R2
37.		Pipes	T2,R2
38.		Named Pipes or FIFOs	T2,R2
39.		FIFOs streams and messages	T2,R2
40.		Name spaces	T2,R2
41.		system IPC	T2,R2
42		Message queues	T2,R2
43.		Semaphores	**T2,R2**
			Handout – 7
44	**UNIT-VIII**	Remote Login	T2,R2
45		Terminal line disciplines	T2,R2
46		Pseudo-Terminals	T2,R2
47		Terminal modes	T2,R2
48		Control Terminals	T2,R2
49		rlogin Overview	T2,R2
50		RPC Transparency Issues	T2,R2
			Handout – 8

Text Books & Reference

Type	Detail
Text 1 (T1)	UNIX Network Programming, Vol. I, Sockets API, 2nd Edition. - W. Richard Stevens, Pearson Edn. Asia.
Text2 (T2)	UNIX Network Programming, 1st Edition, - W. Richard Stevens. PHI.
Reference (R1)	UNIX Systems Programming using C++ T CHAN, PHI.
Reference (R2)	UNIX for Programmers and Users, 3rd Edition Graham GLASS, King abls, Pearson Education
Reference (R3)	Advanced UNIX Programming 2nd Edition M. J. ROCHKIND, Pearson Education

JB Institute of Engineering and Technology

Department of Computer Science & Engineering

IV B.Tech (CSE) Section A & B

Subject: Network Programming **Faculty: G. Sreenivasulu**

Lesson Plan for Each Class:

Time	Topic
5 Minutes	Revision of Previous Chapter
5 Minutes	Outline of the Discussion
30 Minutes	Lecture on Scheduled Topic
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts/attendance

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J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
Class: 4th Year I Sem

SUBJECT PLAN

Date of commencement of class work: 04-07-2011

S.no	No of classes requird	Topics to be covered	Text Books and References
Unit-1 Introduction To Mobile Computing &Computing			
1.	1	Introduction to Mobile Computing	**T1,R1**
2.	1	Novel Applications	**T1,R1**
3.	1	Limitations & Architecture	**T1,R1**
4.	1	Mobile services, System Architecture	**T1,R1**
5.	1	Radio Interfaces	**T1,R1**
6.	1	Protocols, Localization & Calling	**T1,R1**
7	1	Handover , Security	**T1,R1**
8.	2	New Data Services.	**T1,R1**
			Hand out –1
Unit-2 (Wireless) Medium Access Control			
9.	1	Motivation for a specialized MAC (Hidden and Exposed Terminals,Near and far Terminals)	**T1,R1**
10.	1	SDMA,FDMA	**T1,R1**
11.	2	TDMA	**T1,R1**
12.	2	CDMA	**T1,R1**
			Hand out –2
Unit -3 Mobile Network Layer			
13.	5	Mobile IP	**T1**
14.	1	Dynamic Host Configuration Protocol	**T1**
			Hand out –3

Unit-4 Mobile Transport Layer			
15	1	Traditional TCP	**T1,R1**
16.	1	Indirect TCP, Snooping TCP	**T1,R1**
27.	1	Entities & Terminology	**T1,R1**
18	1	TCP fast retransmit/fast recovery,Transmission/time out freezing	**T1,R1**
19	1	Selective Retransmission, Transmission Oriented TCP	**T1,R1**
			Hand out –4
Unit-5 Data Base Issue			
20	1	Hoarding TEchniques	**T1,T2,R1,R2**
21	1	Catching Invalid Mechanismss	**T1,T2,R1,R2**
22	1	Client server computing with adaptation	**T1,T2,R1,R2**
23.	1	Power aware & context Aware	**T1,T2,R1,R2**
24	2	Transaction models,query processing	**T1,T1,R1,R2**
25	1	Recovery and Quality of service issues	**T1,T2,R1,R2**
			Hand out –5
Unit-6 Data Dissemination			
26.	1	Communications assymetry	**T1,T2,R1,R2**
27	1	Classifications of new data mechanisms	**T1,R1,R2**
28	1	Push based mechanisms	**T1,R1,R2**
29	1	Pull based mechanisms	**T1,R1,R2**
30	2	Hybrid mechanisms,selective mechanisms.	**T1,R1,R2**
Hand out –6			
Unit-7 Mobile Ad hoc Networks (MANET'S)			
31.	1	Overview,Properties of a MANET	**T1,T2**
32.	2	Spectrum Of MANET Applications.	**T1,T2**
33.	2	Routing and various Algorithms	**T1,T2**
34.	1	Security in MANET's	**T1,T2**
			Hand out –7

Unit-8 Protocols & Tools			
35.	1	Wireless Application Protocol-WAP-Introduction	**T1,R1,R2**
36.	2	Protocol Architecture & Treatment of protocols of all layers	**T1,R1,R2**
37.	3	Blue Tooth(User scenarios,physical Layer,MAC layer,Networking,Security,Link management	**T1,R1,R2**
38.	2	J2ME	**T1,R1,R2**
Total no of classes - 60			**Hand out –8**

Allotment of Sessional Marks

Two mid Exams : 20 marks each
Two Quiz Exams : 20 marks each

From the above 4 exams best of 3 will be considered for evaluation.

Sesson Plan for Each Class:

Time	Topic
5 Minutes	Revision of Previous Chapter
5 Minutes	Outline of the Discussion
30 Minutes	Lecture
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts

SUBJECT PLAN

DATA WARE HOUSING AND DATA MINING

Class	**: 4/4 B.tech I SEMESTER (Section-B)**
Subject	**: DATA WAREHOUSING AND DATA MINING**
Academic Year	**: 2011-2012 (July to December)**
Instructor	**: T L SIVARAMAKRISHNA, Asst. Professor**
Department	**: COMPUTER SCIENCE AND ENGG**

J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
Class: 4th Year I Sem

COURSE SYLLABUS

DATA WAREHOUSING AND DATA MINING
SPRCA – 304

UNIT-1 Introduction:

Fundamentals of data mining, Data Mining functionalities, Classification of data mining systems, Major issues in data Mining.

Data Processing:
Needs Preprocessing the data, Data cleaning, Data integration and Transformation, Data Reduction, Discretization and Concept Hierarchy Generation.

UNIT-2

Data warehouse and OLAP Technology for Data mining data warehouse, Multidimensional data model, Data Warehouse Architecture, Data Warehouse.

Implementation, Further Development of Data Cube Technology, From Data Warehousing to Data Mining.

UNIT-3

Data Mining Primitives, Languages and System Architectures:
Data Mining Primitives, Data Mining Query Languages, Designing Graphical user interfaces Based on a Data Mining Query Language Architectures of Data Mining Systems.

UNIT-4

Concepts description: characterization and Comparison :
Data Generalization and Summarization-Based Characterization, Analytical Characterization: Analysis of attribute Relevance, Mining class Comparisons: Discriminating between Different Classes, Mining Descriptive Statistical Measures in Large Databases.

UNIT-5

Mining Association Rules In Large Databases:
Association Rule Mining, Mining Single Dimensional Boolean Association Rules from Transactional Databases, Mining Multilevel Association Rules from Transactional Databases, Mining Multidimensional Association Rules from Relational Databases and Data Warehouses,From Association Mining To Correlation Analysis, Constraint-Based Association Mining.

UNIT-6

Classification and Prediction :
Issues Regarding Classification and Prediction, Classification By Decision Tree Induction, Bayesian Classification by Back propagation, Classification based on Concepts from Association Rule mining, Other Classification Methods, Prediction, Classifier Accuracy.

UNIT-7

Cluster Analysis Introduction :
Types of Data in Cluster Analysis, A Categorization of Major Clustering Methods, Partitioning Methods, Density-Based Methods, Grid-Based Methods, Model-Based Clustering Methods, Outlier Analysis.

UNIT-8

Mining Complex Types of Data :
Multimensional Analysis and Descriptive Mining of Complex, Data Objects, Mining Spatial Databases, Mining Multimedia Databases, Mining Time-series and Sequence Data , Mining Text Databases, Mining the World Wide Web.

Text Books:

1. Data mining- concepts and Techniques- JIAWEI HAN & MICHELINE KAMBER Harcourt india.

Reference Books:

1. Data mining Introductory and advanced topics –MARGARET H DUNHAM, PEARSON EDUCATION
2. Data Mining Techniques – ARUN K PUJARI, University press.
3. Data Warehousing in the Real World – SAM ANAHORY & DENNIS MURRAY. Pearson Edn Asia.
4. Data Warehousing Fundamentals – PAULRAJ PONNAIAH WILEY STUDENT EDITION.
5. The data Warehouse Life cycle Tool Kit – RALPH KIMBALL WILEY STUDENT EDITION

J.B.INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE
Class: 4th Year I Sem

SUBJECT PLAN

Date of commencement of class work: 04-07-2011

S.no	No of classes requird	Topics to be covered	Text Books and References
Unit-1 Introduction & Data Processing			
1.	1	Fundamentals of data mining	**T1,R1**
2.	1	Data Mining functionalities	**T1,R1**
3.	1	Classification of data mining systems	**T1,R1**
4.	1	Major issues in data Mining	**T1,R1**
5.	1	Needs Preprocessing the data	**T1,R1**
6.	1	Data cleaning	**T1,R1**
7	1	Data integration and Transformation	**T1,R1**
8.	1	Data Reduction, Discretization and Concept Hierarchy Generation.	**T1,R1**
			Hand out –1
Unit-2 Data warehouse and OLAP Technology			
9.	2	Data warehouse and OLAP Technology for Data mining data warehouse	**T1,R3**
10.	1	Multidimensional data model	**T1,R3**
11.	1	Data Warehouse Architecture, Data Warehouse	**T1,R3**
12.	1	Implementation	**T1,R3**
13.	1	Further Development of Data Cube Technology	**T1,R3**
14.	1	From Data Warehousing to Data Mining.	**T1,R3**
			Hand out –2
Unit-3 Data Mining Primitives, Languages and System Architectures			
15.	1	Data Mining Primitives	**T1**
16.	2	Data Mining Query Languages	**T1**
17	3	Designing Graphical user interfaces Based on a Data Mining Query Language Architectures of Data Mining Systems.	**T1**

			Hand out –3
Unit-4 Concepts description: characterization and Comparison			
18	1	Data Generalization	**T1,R1**
19.	1	Summarization-Based Characterization	**T1,R1**
20.	1	Analytical Characterization: Analysis of attribute Relevance	**T1,R1**
21	2	Mining class Comparisons: Discriminating between Different Classes	**T1,R1**
22.	2	Mining Descriptive Statistical Measures in Large Databases.	**T1,R1**
			Hand out –4
Unit-5 Mining Association Rules In Large Databases			
23.	1	Association Rule Mining	**T1,R1,R2**
24.	2	Mining Single Dimensional Boolean Association Rules from Transactional Databases	**T1,R1,R2**
25.	1	Mining Multilevel Association Rules from Transactional Databases	**T1,R1,R2**
26.	2	Mining Multidimensional Association Rules from Relational Databases and Data Warehouses	**T1,R1,R2**
27.	1	Association Mining To Correlation Analysis	**T1,R1,R2**
28.	1	Constraint-Based Association Mining.	**T1,R1,R2**
			Hand out –5
Unit-6 Classification and Prediction			
29.	1	Issues Regarding Classification and Prediction.	**T1,R1,R2**
30.	2	Classification By Decision Tree Induction	**T1,R1,R2**
31.	1	Bayesian Classification by Back propagation	**T1,R1,R2**
32.	2	Classification based on Concepts from Association Rule mining.	**T1,R1,R2**
33	2	Other Classification Methods, Prediction, Classifier Accuracy.	**T1,R1,R2**
Hand out –6			
Unit-7 Cluster Analysis Introduction			
34.	1	Types of Data in Cluster Analysis	**T1,R1,R2**
35.	2	A Categorization of Major Clustering Methods.	**T1,R1,R2**

36.	2	Density-Based Methods	**T1,R1,R2**
37.	1	Grid-Based Methods,	**T1,R1,R2**
38	2	Model-Based Clustering Methods, Outlier Analysis.	**T1,R1,R2**
			Hand out –7
Unit-8 Mining Complex Types of Data			
39.	2	Multimensional Analysis and Descriptive Mining of Complex, Data Objects	**T1,R1,R2**
40.	2	Mining Spatial Databases, Mining Multimedia Databases	**T1,R1,R2**
41.	2	Mining Time-series and Sequence Data	**T1,R1,R2**
42.	2	Mining Text Databases, Mining the World Wide Web.	**T1,R1,R2**
Total no of classes - 60			**Hand out –8**

Allotment of Sessional Marks

Two mid Exams : 20 marks each
Two Quiz Exams : 20 marks each

From the above 4 exams best of 3 will be considered for evaluation.

Sesson Plan for Each Class:

Time	Topic
5 Minutes	Revision of Previous Chapter
5 Minutes	Outline of the Discussion
30 Minutes	Lecture
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts

T.L.S.R. Krishna

JB Institute of Engineering and Technology

CSE Department

IV B.Tech CSE

Subject Plan for WEB TECHNOLOGIES

by

B.RAVINDRA KUMAR

Subject Plan **Academic year: 2011-2012**

Lecture No.	Unit No	Topic	Chapter nos. from Text Books and References
1.	1	HTML Common tags,	Hand out-1
2.	1	Access Control, Class Scope,	
3.	1	List	
4.	1	Tables	
5.	1	Images	
6.	1	Forms,	
7.	1	Frames	
8.	1	Cascading Style sheets	
9.	1	Cascading Style sheets	
10.	2	review	Hand out-2
11.	2	Introduction to Java Scripts	
12.	2	Objects in Java Script,	
13.	2	Dynamic HTML with Java Script	
14.	2	Methods in JavaScript	
15.	2	Functions in JavaScript	
16.	2	Events	
17	3	Document type definition	
18	3	XML Schemas, Document	
17.	3	Document Object model	
18.	3	Presenting XML	Hand out-3
19.	3	Using XML Processors: DOM and SAX	
20.	3	DOM	
21.	3	SAX	
22.	4	Introduction to Java Beans	
23.	4	Advantages of Java Beans,	
24.	4	BDK Introspection	
25.	4	Using Bound properties,	
26.		Bean Info Interface	
27.	4	Constrained properties	
28.	4	Persistence	
29.	4	Customizes	

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Subject Plan for WEB TECHNOLOGIES
by
B.RAVINDRA KUMAR

30.	4	Java Beans API	
31.	4	Introduction to EJB‘s	Hand out-4
32.	5	Tomcat web server, Introduction to Servelets	
33.	5	Introduction to Servelets: Lifecycle of a Serverlet,	
34.	5	JSDK, The Servelet API	
35.	5	The javax.servelet Package	
36.	5	Reading Servelet parameters	
37.	5	Initialization parameters	
38.	5	The javax.servelet HTTP package	
39.	5	Handling Http Request & Responses	
40.	5	Using Cookies-	
34.	5	Session Tracking	
37	5	Security Issues	Hand out-5
38	6	The Problem with ServeletDevelopment Kit	
39	6	JSP Processing. JSP	
40	6	Application Design with MVC Setting Up	
41	6	JSP Environment: Installing the Java Software	
42	6	The Anatomy of a JSP Page,	
43	6	Tomcat Server	
44	6	Testing Tomcat	Hand out-6
45	7	JSP Application Development, Generating Dynamic content	
46	7	Using Scripting Elements , JSP implicit objects	
47	7	Conditional Processing, Displaying values using an Expression	
48	7	Declaring variables , methods and Error handling and Detection	
49	7	Sharing data between jsps-sharing session and application data	
50	7	Sharing data from a java bean to jsp pages	

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Subject Plan for WEB TECHNOLOGIES
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51	7	Introduction to Struts Framework	Hand out-7
52	7	JSP Application Development, Generating Dynamic content	
53	8	Database Access : Database Programming using JDBC	Hand out-8
54	8	Database Programming using ODBC,	
55	8	Database Programming using ODBC, Database from a JSP Page	
56	8	Studying Javax.sql.*	
57	8	package,Accessing a Database from a JSP Page	
58	8	Application – Specific Database Actions,Deploying	
59	8	JAVA Beans in a JSP Page	
60	8	Introduction to struts framework	

References:

Type	Detail
Text 1 (T1)	Web Programming, building internet applications, Chris Bates 2 edition, WILEY Dreamtech (UNIT s 1,2 ,3) (Chapters: 25) (UNIT 4)
Text2 (T2)	The complete Reference Java 2 Fifth Edition by Patrick Naughton and Herbert Schildt. TMH
Text2 (T2)	Java Server Pages –Hans Bergsten, SPD O'Reilly (UNITs 5,6,7,8)

JB Institute of Engineering and Technology
CSE Department
IV B.Tech CSE

Subject Plan for WEB TECHNOLOGIES
by
B.RAVINDRA KUMAR

Lesson Plan for Each Class:

Time	Topic
5 Minutes	Revision of Previous Chapter
5 Minutes	Outline of the Discussion
30 Minutes	Lecture
5 Minutes	Summary of The Lecture
5 Minutes	Any Queries / Doubts/attendance

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