

**Name of Faculty :** Er. Arushi Bansal, Assistant professor  
**Discipline :** CSE  
**Semester :** 8th  
**Subject :** information and cyber security (CSE-404-L)  
**Lesson Plan Duration:** 15 weeks (from January, 2018 to July, 2019)  
**Work Load (Lecture/Practical) per week (in hours):** Lectures-03hours, Practical-02 hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	Hod	Director-principal
1st	1	Overview of information security			
	2	Basic concepts			
	3	Cryptosystems			
	4	Cryptoanalysis			
2nd	5	Cipher and cipher modes			
	6	Symmetric key cryptography			
	7	DES			
	8	AES			
3rd	9	Asymmetric key cryptography			
	10	RSA algorithms			
	11	Key management protocols			
	12	Diffie hellman algorithm			
4th	13	Digital signature			
	14	Public key infrastructure			
	15	Program security			
	16	Security problems in coding			
5th	17	Malicious logic			
	18	Protection and its types			
	19	Database security			
	20	Access control			
6th	21	Security and its types			
	22	Integrated threats			
	23	Defence mechanism			
	24	.net security			
7th		-----1st Minor Test-----			
8th	25	User based security			
	26	Control access security			
	27	Form authentication			
	28	Privacy, intellectual property in cyberspace			
9th	29	Professional ethics			
	30	Freedom of speech			
	31	Fair user and ethical hacking			
	32	Trademarks, internet fraud			
10th	33	Electronic evidence			
	34	Forensic technology			
	35	Digital evidence collections			
	36	Tools and methods used in cybercrime			
11th	37	Proxy servers and anonymizers			
	38	Phishing, password cracking			
	39	Keyloggers and spywares			
	40	Virus, worms , phishing and identity thefts			
12th	41	Trojan horse and backdoors			
	42	Steganography, dos and dos attacks			
	43	SQL injections, bufferflow			
	44	Cybercrime and legal landscape around the world			
13th	45	Cyberlaws, digital signatures			
	46	Indian IT act and amendments			
	47	Cybercrime and punishment			
	48	Cost of cybercrime and IPR issues			
14th		-----2nd Minor Test-----			
15th	49	Web threats for organisations			
	50	Social computing			
	51	Associated challenges			
	52	Challenges for organisations			

## Lesson Plan

**Name of Faculty** : Prachi , Assistant Professor of CSE  
**Discipline** : Computer Science and Engineering  
**Semester** : 8<sup>th</sup> (even)  
**Subject** : web engg (IT 470 E)  
**Lesson Plan Duration** : 15 weeks (from FEB to MAY-2019)

**Work Load (Lecture/Practical) per week (in hours):** Lectures-03hours, Practical-02 hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Information Architecture			
	2	The role of the Information Architect			
	3	Collaboration and Communication			
	4	Organizing Information			
2 <sup>nd</sup>	5	Organizational Challenges			
	6	Organizing Web sites and Intranets			
	7	Creating Cohesive Organization Systems Designing Navigation Systems			
	8	Types of Navigation systems			
3 <sup>rd</sup>	9	Integrated Navigation Elements			
	10	Remote Navigation Elements			
	11	Designing Elegant Navigation Systems			
	12	Searching Systems			
4 <sup>th</sup>	13	Searching your Web Site			
	14	Designing the Search Interface			
	15	Indexing the Right Stuff			
	16	To search or Not To Search			
5 <sup>th</sup>	17	Grouping Content			
	18	Conceptual Design			
	19	High-Level Architecture Blueprints			
	20	Architectural Page Mockups			
6 <sup>th</sup>	21	Design Sketches			
	22	Dynamic HTML and Web Designing			
	23	HTML Basic Concepts			
	24	Good Web Design			
7 <sup>th</sup>	<b>1<sup>st</sup> Minor Test</b>				
8 <sup>th</sup>	25	Process of Web Publishing			
	26	Phases of Web Site development			
	27	Structure of HTML documents			
	28	HTML Elements-Core attributes			
9 <sup>th</sup>	29	Language attributes			
	30	Core Events, Block Level Events			
	31	Text Level Events, Linking Basics			
	32	Linking in HTML, Images and Anchors, Anchor Attributes			
10 <sup>th</sup>	33	Image maps, Semantic Linking Meta Information, Image Preliminaries			
	34	Image Download Issues, Image as Buttons			
	35	Introduction to Layout: Backgrounds, Colors and Text, Fonts, Layout with Tables			
	36	Advanced Layout: Frames and Layers			
11 <sup>th</sup>	37	HTML and other media types.			
	38	Audio Support in Browsers, Video Support, Other binary Formats			
	39	Style Sheets, Positioning with Style sheets			
	40	Basic Interactivity and HTML			

12 <sup>th</sup>	41	FORMS, Form Control, New and emerging Form elements.			
	42	Java Server Pages and Active Server Pages			
	43	Basics, Integrating Script, JSP/ASP Objects and Components			
	44	configuring and troubleshooting			
13 <sup>th</sup>	45	Request and response objects			
	46	Retrieving the contents of a an HTML form			
	47	Retrieving a Query String			
	48	Cookies, Creating and Reading Cookies			
14 <sup>th</sup>		<b>2<sup>nd</sup> Minor Test</b>			
15 <sup>th</sup>	49	Using application Objects and Events			
	50	Overview of advance features of XML			
	51	advance features of XML			
	52	advance features of XML			

**Lesson Plan**

**Name of Faculty** : **Dr. Sanjay Dahiya, Assistant Professor of CSE**  
**Discipline** : **Computer Science and Engineering**  
**Semester** : **VIII<sup>th</sup> (Even)**  
**Subject** : **Colloquium (CSE-490 E)**  
**Lesson Plan Duration** : **15 weeks (from January/ February-2019 to April/ May-2019)**  
**Work Load (Lecture/Practical) per week (in hours):** **Colloquium /Lectures-02/4hours.**

Week	Seminar/ Colloquium (G-I/II)		Topic Covered Date and Remarks		
	Lecture- Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Seminar/ Colloquium Skills			
2 <sup>nd</sup>	2	Presentation and Communications Skills			
3 <sup>rd</sup>	3	Literature Review & Topic Selection			
4 <sup>th</sup>	4	Power Point Preparation (PPT) and Presentation Skills			
5 <sup>th</sup>	5	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151001 to 1511151005)			
6 <sup>th</sup>	6	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151006 to 1511151010)			
7 <sup>th</sup>		<b>1<sup>st</sup> Minor Test</b>			
8 <sup>th</sup>	7	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151011 to 1511151015)			
9 <sup>th</sup>	8	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151016 to 1511151020)			
10 <sup>th</sup>	9	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151021 to 1511151026)			
11 <sup>th</sup>	10	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151901 to 1511151905)			
12 <sup>th</sup>	11	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151906 to 1511151910)			
13 <sup>th</sup>	12	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151911 to 1511151915)			
14 <sup>th</sup>		<b>2<sup>nd</sup> Minor Test</b>			
15 <sup>th</sup>	13	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151916 to 1511151920 or Any Remaining Students)			

Lesson Plan

Name of Faculty : Dr. Sanjay Dahiya, Assistant Professor of CSE  
 Discipline : Computer Science and Engineering  
 Semester : VIII<sup>th</sup> (Even)  
 Subject : Major Project Part-II (Group-I & Group-II) (CSE-499 E)  
 Lesson Plan Duration : 15 weeks (from January/ February-2019 to April/ May-2019)  
 Work Load (Lecture/Practical) per week (in hours): Project-12/24 hours

Week	Major Project Part-II (Group-I & Group-II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs : 8 Hrs G-I + 4 Hrs G-II	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Evaluation of Problems Formulation (G-I)			
	2	Evaluation of Problems Formulation (G-II)			
2 <sup>nd</sup>	3	Development Steps : Design (G-I)			
	4	Development Steps : Design (G-II)			
3 <sup>rd</sup>	5	Macro / System Design (G-I)			
	6	Macro / System Design (G-II)			
4 <sup>th</sup>	7	Micro / Functional Design (G-I)			
	8	Micro / Functional Design (G-II)			
5 <sup>th</sup>	9	Coding System : Unit / Functional (G-I)			
	10	Coding System : Unit / Functional (G-II)			
6 <sup>th</sup>	11	Integration and System Coding (G-I)			
	12	Integration and System Coding (G-II)			
7 <sup>th</sup>		<b>1<sup>st</sup> Minor Test</b>			
8 <sup>th</sup>	13	Testing Strategies (Black-box, White-box and Gray -box) (G-I)			
	14	Testing Strategies (Black-box, White-box and Gray -box) (G-II)			
9 <sup>th</sup>	15	Integration and System Testing (G-I)			
	16	Integration and System Testing (G-II)			
10 <sup>th</sup>	17	Final Project Report Writing Skills (G-I)			
	18	Final Project Report Writing Skills (G-II)			
11 <sup>th</sup>	19	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151001 to 1511151005)			
	20	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151021 to 1511151026)			
12 <sup>th</sup>	21	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills (G-I Students), Query & Redresses (Roll No. 1511151006 to 1511151010)			
	22	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151901 to 1511151907)			
13 <sup>th</sup>	23	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151011 to 1511151015)			
	24	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) ((Roll No. 1511151908 to 1511151914)			
14 <sup>th</sup>		<b>2<sup>nd</sup> Minor Test</b>			
15 <sup>th</sup>	25	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151016 to 1511151020)			
	26	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151915 to 1511151920 or Any Remaining Students)			

### Lesson Plan

**Name of Faculty** : Seema Rani, Assistant Professor  
**Discipline** : Computer Science and Engineering  
**Semester** : VIII<sup>th</sup> (Even)  
**Subject** : Major Project Part-II (Group-I & Group-II) (CSE-499 E)  
**Lesson Plan Duration** : 15 weeks (from January/ February-2018 to April/ May-2018)  
**Work Load (Lecture/Practical) per week (in hours):** Project-08 hours

Week	Major Project Part-II (Group-I & Group-II)	
	Practical Day	Topics/ Programs 4 Hrs G-I + 4 Hrs G-II
1 <sup>st</sup>	1	Evaluation of Problems Formulation (G-I)
	2	Evaluation of Problems Formulation (G-II)
2 <sup>nd</sup>	3	Development Steps : Design (G-I)
	4	Development Steps : Design (G-II)
3 <sup>rd</sup>	5	Macro / System Design (G-I)
	6	Macro / System Design (G-II)
4 <sup>th</sup>	7	Micro / Functional Design (G-I)
	8	Micro / Functional Design (G-II)
5 <sup>th</sup>	9	Coding System : Unit / Functional (G-I)
	10	Coding System : Unit / Functional (G-II)
6 <sup>th</sup>	11	Integration and System Coding (G-I)
	12	Integration and System Coding (G-II)
7 <sup>th</sup>		
8 <sup>th</sup>	13	Testing Strategies (Black-box, White-box and Gray-box) (G-I)
	14	Testing Strategies (Black-box, White-box and Gray-box) (G-II)
9 <sup>th</sup>	15	Integration and System Testing (G-I)
	16	Integration and System Testing (G-II)
10 <sup>th</sup>	17	Final Project Report Writing Skills (G-II)
	18	Final Project Report Writing Skills (G-II)
11 <sup>th</sup>	19	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 411151001 to 1411151008)
	20	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 411151911 to 1411151918)
12 <sup>th</sup>	21	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills (G-I Students), Query & Redresses (Roll No. 411151009 to 1411151016)
	22	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 411151919 to 1411151928)

13 <sup>th</sup>	23	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 411151017 to 1411151027)
	24	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 411151929 to 1411151938)
14 <sup>th</sup>		
15 <sup>th</sup>	25	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 411151902 to 1411151910)
	26	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 411151939 to 1411151942 and Any Remaining Students)

Seema Rani ,  
Assistant Professor,  
Computer Science & Engineering.

### Lesson Plan

**Name of Faculty** : Seema Rani, Assistant Professor  
**Discipline** : Computer Science and Engineering  
**Semester** : VIII<sup>th</sup> (Even)  
**Subject** : Colloquium (CSE-490 E)  
**Lesson Plan Duration** : 15 weeks (from January/ February-2018 to April/ May-2018)  
**Work Load (Lecture/Practical) per week (in hours):** Colloquium /Lectures-02hours

<b>Seminar/ Colloquium</b>	
<b>Lecture Day</b>	<b>Topic (Including Assignment/Test)</b>
1	Seminar/ Colloquium Skills
2	Presentation and Communications Skills
3	Literature Review & Topic Selection
4	Power Point Preparation (PPT) and Presentation Skills
5	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151001 to 1411151008)
6	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151009 to 1411151018)
<b>1<sup>st</sup> Minor Test</b>	
7	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151019 to 1411151027)
8	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151902 to 1411151908)
9	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills (Roll No. 411151909 to 1411151916)
10	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151917 to 1411151924)
11	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151925 to 1411151932)
12	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 411151934 to 1411151942)
<b>2<sup>nd</sup> Minor Test</b>	
13	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. : Any Remaining Students)



**Lesson Plan**

**Name of Faculty** : Er.Seema Rani, Assistant Professor of CSE  
**Discipline** : Computer Science and Engineering  
**Semester** : VIII<sup>th</sup> (Even)  
**Subject** : Colloquium (CSE-490 E)  
**Lesson Plan Duration** : 15 weeks (from January/ February-2019 to April/ May-2019)  
**Work Load (Lecture/Practical) per week (in hours):** Colloquium /Lectures-02/4hours.

Week	Seminar/ Colloquium (G-I/II)		Topic Covered Date and Remarks		
	Lecture- Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Seminar/ Colloquium Skills			
2 <sup>nd</sup>	2	Presentation and Communications Skills			
3 <sup>rd</sup>	3	Literature Review & Topic Selection			
4 <sup>th</sup>	4	Power Point Preparation (PPT) and Presentation Skills			
5 <sup>th</sup>	5	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151001 to 1511151005)			
6 <sup>th</sup>	6	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151006 to 1511151010)			
7 <sup>th</sup>	<b>1<sup>st</sup> Minor Test</b>				
8 <sup>th</sup>	7	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151011 to 1511151015)			
9 <sup>th</sup>	8	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151016 to 1511151020)			
10 <sup>th</sup>	9	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151021 to 1511151026)			
11 <sup>th</sup>	10	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151901 to 1511151905)			
12 <sup>th</sup>	11	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151906 to 1511151910)			
13 <sup>th</sup>	12	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151911 to 1511151915)			
14 <sup>th</sup>	<b>2<sup>nd</sup> Minor Test</b>				
15 <sup>th</sup>	13	Evaluation of Students Based on Topic, Resource, PPT, Presentation & Communications Skills, Query & Redresses (Roll No. 1511151916 to 1511151920 or Any Remaining Students)			

**Lesson Plan**

**Name of Faculty** : Er.Seema Rani, Assistant Professor of CSE  
**Discipline** : Computer Science and Engineering  
**Semester** : VIII<sup>th</sup> (Even)  
**Subject** : Major Project Part-II (Group-I & Group-II) (CSE-499 E)  
**Lesson Plan Duration** : 15 weeks (from January/ February-2019 to April/ May-2019)  
**Work Load (Lecture/Practical) per week (in hours):** Project-12/24 hours

Week	Major Project Part-II (Group-I & Group-II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs :8 Hrs G-I + 4 Hrs G-II	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Evaluation of Problems Formulation (G-I)			
	2	Evaluation of Problems Formulation (G-II)			
	3	Development Steps : Design (G-I)			
2 <sup>nd</sup>	4	Development Steps : Design (G-II)			
	5	Macro / System Design (G-I)			
3 <sup>rd</sup>	6	Macro / System Design (G-II)			
	7	Micro / Functional Design (G-I)			
4 <sup>th</sup>	8	Micro / Functional Design (G-II)			
	9	Coding System : Unit / Functional (G-I)			
5 <sup>th</sup>	10	Coding System : Unit / Functional (G-II)			
	11	Integration and System Coding (G-I)			
6 <sup>th</sup>	12	Integration and System Coding (G-II)			
	7 <sup>th</sup>	<b>1<sup>st</sup> Minor Test</b>			
8 <sup>th</sup>	13	Testing Strategies (Black-box, White-box and Gray-box) (G-I)			
	14	Testing Strategies (Black-box, White-box and Gray-box) (G-II)			
	15	Integration and System Testing (G-I)			
9 <sup>th</sup>	16	Integration and System Testing (G-II)			
	17	Final Project Report Writing Skills (G-II)			
10 <sup>th</sup>	18	Final Project Report Writing Skills (G-II)			
	19	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151001 to 1511151005)			
11 <sup>th</sup>	20	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151021 to 1511151026)			
	21	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills (G-I Students), Query & Redresses (Roll No. 1511151006 to 1511151010)			
12 <sup>th</sup>	22	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151901 to 1511151907)			
	23	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151011 to 1511151015)			
13 <sup>th</sup>	24	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151908 to 1511151914)			
	14 <sup>th</sup>	<b>2<sup>nd</sup> Minor Test</b>			
15 <sup>th</sup>	25	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-I Students) (Roll No. 1511151016 to 1511151020)			
	26	Evaluation of Final Project Report Based on Topic, Resource, PPT, Presentation and Communications Skills, Query & Redresses (G-II Students) (Roll No. 1511151915 to 1511151920 or Any Remaining Students)			

## Lesson Plan

**Name of Faculty** : Ms. Sonam Bajaj , Assistant Professor of CSE  
**Discipline** : Computer Science and Engineering  
**Semester** : 8th (even)  
**Subject** : Advance Java Lab (IT-407 E)  
**Lesson Plan Duration** : 15 weeks (from Jan2019 to May 2019)  
**Work Load (Practical) per week (in hours):** Practical-04 hours

Week	Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Basics concept of JDBC			
2 <sup>nd</sup>	2	Development a program through JDBC			
3 <sup>rd</sup>	3	History of Servlets			
4 <sup>th</sup>	4	Development of program using servlets			
5 <sup>th</sup>	5	Introduction about Beans			
6 <sup>th</sup>	6	Development of program through Beans			
7 <sup>th</sup>		<b>1<sup>st</sup> Minor Test</b>			
8 <sup>th</sup>	7	1 <sup>st</sup> viva voce			
9 <sup>th</sup>	8	Problems regarding program and their solutions			
10 <sup>th</sup>	9	Basics of RMI			
11 <sup>th</sup>	10	Development of a program using RMI			
12 <sup>th</sup>	11	History of JSP			
13 <sup>th</sup>	12	Development of program through JSP			
14 <sup>th</sup>		<b>2<sup>nd</sup> Minor Test</b>			
15 <sup>th</sup>	13	2 <sup>nd</sup> viva voce			

## Lesson Plan

**Name of Faculty** : Sonam Bajaj, Assistant Professor of CSE  
**Discipline** : Computer Science and Engineering  
**Semester** : 8<sup>th</sup> (even)  
**Subject** : Network Programming (IT-302E)  
**Lesson Plan Duration** : 15 weeks (from Jan to May-2019)  
**Work Load (Lecture/Practical) per week (in hours):** Lectures-04hours

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1 <sup>st</sup>	1	Basics of networking			
	2	TCP/IP protocol architecture			
	3	Classful internet address			
	4	Problems and Solutions			
2 <sup>nd</sup>	5	Subnets , super netting			
	6	ARP and RARP			
	7	IP datagram format			
	8	UDP and TCP data gram			
3 <sup>rd</sup>	9	ICMP and its purpose			
	10	FINGER , NET STAT details			
	11	IP configuration & PING			
	12	TRACERT ROUTE			
4 <sup>th</sup>	13	Basics of sockets			
	14	Elementary TCP socket			
	15	TCP client server			
	16	Problems and Solutions			
5 <sup>th</sup>	17	I/O function			
	18	Select function			
	19	Poll function			
	20	Problems and Solutions			
6 <sup>th</sup>	21	Elementary UDP socket			
	22	Elementary node			
	23	Address conversion			
	24	Problem and Solution			
7 <sup>th</sup>		<b>1<sup>st</sup> Minor Test</b>			
8 <sup>th</sup>	25	Echo service ( TCP )			
	26	Echo service ( UDP )			
	27	Problems and solution			
	28	Assignment 1			
9 <sup>th</sup>	29	Algorithm and issue in server software design			
	30	Iterative connectionless server ( UDP )			
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