

### Lesson Plan

Name of faculty: Vinit Kumar Lohan

Discipline: M.TECH CSE

Semester: 2<sup>nd</sup>

Subject: IWD

Lesson plan duration: 15 Weeks from (January,2018 to April, 2018)

week	Theory	
	Lecture Day	Topic
1st	1	Internet Protocol Model
	2	Internet Addresses
	3	IP Routing Concepts
2nd	4	Table Driven
	5	Next Hop Routing
	6	Other Routing Related Protocols
3rd	7	Internet Access
	8	Methods
	9	Routing Protocols
4th	10	PPP
	11	SLIP
	12	WWW
5th	13	Revision of Unit-I
	14	Revision of Unit-I Continues.....
	15	Test of Unit-I
		<b>UNIT -II</b>
6th	16	Router Technology

	17	Hubs
	18	Bridges
7th	19	Routers
	20	Routing Protocols
	21	Routing Security, Switch Based Routing, unicast environment, multicasting, mobile routing
8th	22	Revision of Unit-II
	23	Test of Unit-II

		<b>UNIT-III</b>
	24	Web Servers and Browsers
9th	25	IIS
	26	PWS
	27	Apache
10th	28	HTTP request type, System architecture,
	29	client side scripting, accessing web servers
	30	WWW Proxies, Web Browser
11th	31	Browsing Tricks, Next Generation Web Browsing
	32	Search Engines, Architecture of Search Engines
	33	Search Tools, Web Crawlers
12th	34	Revision of Unit-III
	35	Test of Unit-III
		<b>UNIT-IV</b>
	36	Website development
13th	37	DHTML
	38	XDHTML AJAX
	39	XML: Structural Data, XML namespaces
14th	40	Active Server Pages (ASP)
	41	Working of ASP
	42	ASP Objects, File Systems
15th	43	Objects, ASP.NET
	44	Revision of Unit-IV
	45	Test of Unit-IV

## Lesson Plan

Name of Faculty: Mr. Kulvinder Singh  
 Discipline: M.Tech, CSE  
 Semester: 2<sup>nd</sup>  
 Subject: Soft Computing  
 Lesson Plan Duration: 15 Weeks from (January, 2018 to April, 2018)  
 4 Hrs Lecture and 2 Hrs Lab in a week

Weeks	Theory		Practical	
	Lecture Day	Topic	weeks	Topic
1 <sup>st</sup>	1	History, Overview of Biological Neuro-System	1 <sup>st</sup>	Practical 1 Based on Theory Classes
	2	Mathematical Models of Neurons		
	3	ANN architecture		
	4	Learning rules,		
2 <sup>nd</sup>	5	Gradient Descent Algorithm	2 <sup>nd</sup>	Practical 2 Based on Theory Classes
	6	Learning		
	7	Paradigms-Supervised		
	8	Unsupervised and Reinforcement Learning		
3 <sup>rd</sup>	9	ANN Training Algorithms-	3 <sup>rd</sup>	Practical 3 Based on Theory Classes
	10	Perceptrons		
	11	Training Rules		
	12	Delta, Back Propagation Algorithm		
4 <sup>th</sup>	13	ANN Training Algorithms-	4 <sup>th</sup>	Practical 4 Based on Theory Classes
	14	Perceptrons		
	15	Training Rules		
	16	Delta, Back Propagation Algorithm		
5 <sup>th</sup>	17	Multilayer Perceptron Model	5 <sup>th</sup>	Practical 5 Based on Theory Classes
	18	Hopfield Networks		
	19	Associative Memories		
	20	Associative Memories continue.		

Weeks	Theory		Practical	
	Lecture Day	Topic	weeks	Topic
6 <sup>th</sup>	21	Applications of Artificial Neural Networks	6 <sup>th</sup>	Practical 6 Based on Theory Classes
	22	Introduction to fuzzy Logic		
	23	Classical and Fuzzy Sets		
	24	Overview of Classical Sets		
7 <sup>th</sup>	25	Membership Function	7 <sup>th</sup>	Practical 7 Based on Theory Classes
	26	Fuzzy Rule generation		
	27	Operations on Fuzzy Sets		
	28	Compliment, Intersection,		
8 <sup>th</sup>	29	Class Test-1	8 <sup>th</sup>	Practical 8 Based on Theory Classes
	30	Union		
	31	Combination of Operations		
	32	Aggregation Operation		
9 <sup>th</sup>	33	Fuzzy Arithmetic	9 <sup>th</sup>	Practical 9 Based on Theory Classes
	34	Fuzzy Numbers		
	35	Linguistic Variables		
	36	Arithmetic Operations on Intervals & Numbers		
10 <sup>th</sup>	37	Arithmetic Operations on Intervals & Numbers continue..	10 <sup>th</sup>	Practical 10 Based on Theory Classes
	38	Arithmetic Operations on Intervals & Numbers Numerical		
	39	Lattice of Fuzzy Numbers		
	40	Fuzzy Equations		
11 <sup>th</sup>	41	Classical Logic	11 <sup>th</sup>	Practical 11 Based on Theory Classes
	42	Multi-Valued Logics		
	43	Fuzzy Propositions		
	44	Fuzzy Qualifiers, Linguistic Hedges.		
12 <sup>th</sup>	45	Uncertainty Based Information	12 <sup>th</sup>	Practical 12 Based on Theory Classes
	46	Information & Uncertainty		
	47	Assignment		
	48	Non specificity of Fuzzy & Crisp Sets		
13 <sup>th</sup>	49	Fuzziness of Fuzzy Sets.	13 <sup>th</sup>	Practical 13 Based on Theory Classes
	50	Class Test-2		
	51	Revision		
	52	Revision		
14 <sup>th</sup>	53	Revision	14 <sup>th</sup>	Practical 14 Based on Theory Classes
	54	Revision		
	55	Revision		
	56	Revision		
15 <sup>th</sup>	57	Revision	15 <sup>th</sup>	Practical 15 Based on Theory Classes
	58	Revision		
	59	Revision		
	60	Revision		

