

Lesson Plan

Name of the Faculty : Rajesh Dawar

Discipline : MCA

Semester : 4th Semester

Subject : Network Security

Lesson Plan Duration : 15 weeks(from January, 2018 to April, 2018)

Work Load (Lecture/Practical)per week(in hours): Lecture:3 , Practical:

Week	Theory		Practical	
	Lecture Day	Topic(including Assignment/Test)	Practical Day	Topic
1st	1 st	Introduction to NS & different types of security	1 st	
	2 nd	Different cipher techniques	2 nd	
	3 rd	Different cipher techniques		
2nd	4 th	Different cipher techniques	3 rd	
	5 th	Stream ciphers vs block ciphers	4 th	
	6 th	Cryptanalysis, Encryption techniques		
3rd	7 th	RSA /public key algos	5 th	
	8 th	DES technique	6 th	
	9 th	Deffie hellman exchange algo		
4th	10 th	Authentication Algos	7 th	
	11 th	Digital signatures	8 th	
	12 th	Assignment of unit -1		
5th	13 th	Revision of unit-1	9 th	
	14 th	Assignment of unit-2	10 th	
	15 th	Problem session of unit-1		

6th	16 th	Test of unit-1	11 th	
	17 th	Revision of unit-2	12 th	
	18 th	Problem session of unit-2		
7th	19 th	Test of unit-2	13 th	
	20 th	Cryptology of speech signals	14 th	
	21 st	Narrow and wide band systems		
8th	22 nd	Digital system of speech recognition	15 th	
	23 rd		16 th	
	24 th	Hashing and hash functions		
9th	25 th	Authentication protocols	17 th	
	26 th		18 th	
	27 th			
10th	28 th	Digital Signature standards	19 th	
	29 th	E-mail security	20 th	
	30 th	Revision/Problems of unit-3		
11th	31 st	PGP	21 st	
	32 nd	Test of unit-3	22 nd	
	33 rd	MIME and data compression techniques		
12th	34 th	IP Security	23 rd	
	35 th		24 th	
	36 th	Key Management		
13th	37 th	Web Security –SSL	25 th	
	38 th	Transport Layer Security	26 th	
	39 th	Securing electronic transactions		
14th	40 th	Concept of Firewalls	27 th	
	41 st	Designing Firewalls	28 th	
	42 nd	Elliptic curve based systems		
15th	43 rd	Revision of unit-4	29 th	
	44 th	Problem session of unit-4	30 th	
	45 th	Test of unit-4		