

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LECTURE SCHEDULE

NAME OF THE SUBJECT: **Cryptography and Network Security** ACADEMIC YEAR: **2019-20**

NAME OF THE FACULTY: **Mr.D.NageshBabu**

Year &Sem/Section: **IV CSE-I SEM 'B'**

No. of Lectures per week : **4**

S.NO	DATE	TOPICS	UNIT
1	10-Jun-19	U-I Basic Principles	1
2	11-Jun-19	Security Goals	
3	12-Jun-19	Cryptographic Attacks	
4	14-Jun-19	Services and Mechanisms	
5	17-Jun-19	Services and Mechanisms	
6	18-Jun-19	Mathematics of Cryptography	
7	19-Jun-19	Mathematics of Cryptography	
8	21-Jun-19	Mathematics of Cryptography	
9	24-Jun-19	Revision through PPT's	
10	25-Jun-19	Slip Test-I	
11	26-Jun-19	U-II Symmetric Encryption	2
12	28-Jun-19	Mathematics of Symmetric Key Cryptography	
13	01-Jul-19	Mathematics of Symmetric Key Cryptography	
14	02-Jul-19	Mathematics of Symmetric Key Cryptography	
15	03-Jul-19	Introduction to Modern Symmetric Key Ciphers	
16	05-Jul-19	Introduction to Modern Symmetric Key Ciphers	
17	08-Jul-19	Data Encryption Standard	
18	09-Jul-19	Data Encryption Standard	
19	10-Jul-19	Advanced Encryption Standard.	
20	12-Jul-19	Advanced Encryption Standard.	
21	15-Jul-19	Revision through PPT's	
22	16-Jul-19	Slip Test-II	
23	17-Jul-19	U-III Asymmetric Encryption	3
24	19-Jul-19	Mathematics of Asymmetric Key Cryptography	
25	22-Jul-19	Mathematics of Asymmetric Key Cryptography	
26	23-Jul-19	Mathematics of Asymmetric Key Cryptography	
27	24-Jul-19	Mathematics of Asymmetric Key Cryptography	
28	26-Jul-19	Asymmetric Key Cryptography	
29	29-Jul-19	Asymmetric Key Cryptography	
30	30-Jul-19	Asymmetric Key Cryptography	
31	31-Jul-19	Asymmetric Key Cryptography	
32	02-Aug-19	Revision through PPT's	
33	05-Aug-19	MID-I	
34	06-Aug-19	MID-I	
35	07-Aug-19	MID-I	
36	09-Aug-19	MID-I	
37	13-Aug-19	U-IV Data Integrity, Digital Signature Schemes & Key Management	4
38	14-Aug-19	Message Integrity and Message Authentication	
39	16-Aug-19	Message Integrity and Message Authentication	
40	19-Aug-19	Message Integrity and Message Authentication	
41	20-Aug-19	Cryptographic Hash Functions	
42	21-Aug-19	Cryptographic Hash Functions	
43	26-Aug-19	DigitalSignature	

44	27-Aug-19	DigitalSignature	
45	28-Aug-19	Key Management	
46	30-Aug-19	Key Management	
47	03-Sep-19	Revision through PPT's	
48	04-Sep-19	Slip Test-III	5
49	06-Sep-19	U-V Network Security-I	
50	09-Sep-19	Security at application layer: PGP and S/MIME	
51	11-Sep-19	Security at application layer: PGP and S/MIME	
52	13-Sep-19	Security at application layer: PGP and S/MIME	
53	16-Sep-19	Security at the Transport Layer: SSL and TLS	
54	17-Sep-19	Security at the Transport Layer: SSL and TLS	
55	18-Sep-19	Security at the Transport Layer: SSL and TLS	
56	20-Sep-19	Revision through PPT's	
57	23-Sep-19	Slip Test-IV	
58	24-Sep-19	U-VI Network Security-II	6
59	25-Sep-19	Security at the Network Layer: IPSec	
60	27-Sep-19	Security at the Network Layer: IPSec	
61	30-Sep-19	System Security	
62	01-Oct-19	System Security	
63	04-Oct-19	Revision through PPT's	
64	07- Oct-19	MID-II	
65	09- Oct-19	MID-II	
66	11- Oct-19	MID-II	

TEXT BOOKS:

- 1) Cryptography and Network Security, Behrouz A Forouzan, DebdeepMukhopadhyay, (3e) McGraw Hill.
- 2) Cryptography and Network Security, William Stallings, (6e) Pearson.
- 3) Everyday Cryptography, Keith M.Martin, Oxford.

REFERENCE BOOKS:

- 1) Network Security and Cryptography, Bernard Meneges, Cengage Learning.

FACULTY

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