

**SAMANTA CHANDRASEKHAR INSTITUTE  
OF TECHNOLOGY & MANAGEMENT**  
SEMILIGUDA-764 036, KORAPUT

DEPT. OF..... CSE [EVEN SEM.]

MAR-23 to AUG-23

**LESSON PLAN AND PROGRESS REGISTER**

(To be maintained by all members of the teaching staff)

SESSION..... 2023.....

NAME Kalpataaru Das.  
DESIGNATION H.O.D  
DEPT. CSE

SIGNATURE





### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 6<sup>th</sup>

Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
15/2	1. Possible attacks on computers	The need for Security	01
16/2		Security approach	01
17/2		Principles of Security	01
18/2		Types of attacks	01
20/2	2. Crypto-graphy concepts	Plain text & Cipher Text	01
21/2		Substitution Techniques	01
22/2		Transposition Techniques	01
23/2		Encryption & Decryption	01
24/2		Symmetric & Asymmetric Key Cryptography	01
25/2	3. Symmetric & Key algorithms	Symmetric key algorithm types	01
27/2	Asymmetric Key Algorithms	Overview of Symmetric Key Cryptography	01
28/2		Data Encryption Standards	01
1/3		Over view of asymmetric Key Cryptography	01
2/3		The RSA algorithm	01
3/3		Symmetric & asymmetric Key Cryptography	01

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 6<sup>th</sup>

Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
15/2	1. Possible attacks on computers	7	Confidentiality, authentication, Non-Repudiation, Integrity.		
16/2		7	Bottom-up approaches and Top-down approaches		
17/2		6	Confidentiality, authentication, Integrity.		
18/2		6	Brute force attack, ciphertext-only attack, chosen plaintext attack.		
20/2	2. Crypto-graphy concepts	7	plain text & cipher Text		
21/2		8	Substitution Techniques.		
22/2		8	Transposition techniques		
23/2		6	Encryption & Decryption		
24/2		6	Symmetric & asymmetric Key Cryptography.		
25/2	3. Symmetric & Key algorithms	6	Symmetric Key algorithm types		
27/2	Asymmetric Key Algorithms	7	overview of Symmetric Key Cryptography		
28/2		6	Data encryption Standards.		
1/3		7	over view of asymmetric Key Cryptography		
2/3		6	The RSA algorithm		
3/3		6	Symmetric & asymmetric Key Cryptography		

### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 3<sup>rd</sup>

Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
4/3		Digital Signature	01
6/3		Digital Certificates	01
9/3	4. Digital Certificate & public infrastructure	Private Key management	01
10/3		PKIX Model	01
11/3		Public Key Cryptography Standards	01
13/3	5. Internet Security protocols	Basic Concept	01
14/3		Secure Socket layer	01
15/3		Transport layer Security	01
16/3		Secure Hyper text transfer protocol (SHTTP)	01
17/3		Time Stamping protocol (TSP)	01
18/3		Secure electronic transaction (SET)	01
20/3	6. User authentication	Authentication basics	01
21/3		password	01
22/3		Authentication Tokens	01
23/3		Certificate based authentication.	01

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 3<sup>rd</sup>

Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/Signature of HOD/Director
24/3	4. Digital Certificate & public infrastructure	7	Digital Signature	[Signature]	
25/3		7	Digital Certificates		
27/3		7	Private Key management		
28/3		4	PKIX Model		
29/3		6	Public Key Cryptography Standards		
31/3		7	Basic Concept		
3/4		6	Secure Socket layer		
4/4		5	Transport layer Security		
5/4		4	Secure Hyper text transfer protocol (SHTTP)		
6/4		6	Time Stamping protocol (TSP)		
8/4		7	Secure electronic transaction (SET)		
10/4		6	Authentication basics		
11/4		5	password		
12/4		5	Authentication Tokens		
13/4		5	Certificate based authentication.		

