



SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY
 (AUTONOMOUS)
 Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by
 NAAC with 'A' Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956.
 Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinaada
 Seetharamapuram, W.G. DT., Narasapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY

TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20CC6L01	CRYPTOGRAPHY AND NETWORK SECURITY LAB	VI	CSE CS	3 Periods	2024-25	18/11/24

COURSE OUTCOMES

1	Identify basic security attacks and services	Experiment Number	Experiment	Contact Hours
2	Use symmetric and asymmetric key algorithms for cryptography			
3	Make use of Authentication functions			

1	Write a C program that contains a string (char pointer) with a value \Hello World'. The program should XOR each character in this string with 0 and display the result.	3
2	Write a C program that contains a string (char pointer) with a value \Hello World'. The program should AND or and XOR each character in this string with 127 and display the result.	3
3	Implementation of Caesar Cipher technique	3
4	Implement the Play fair Cipher	3
5	Implement the Pure Transposition Cipher	3
6	Implement DES Encryption and Decryption	6
7	Implement the AES Encryption and Decryption	6
8	Implement RSA Encryption Algorithm	3
9	Implement the Diffie-Hellman Key Exchange mechanism	3

Principal

H. H. H.

iii. Programme Coordinator	Dr.RVSV Prasad	<i>[Signature]</i>
ii. Module Coordinator	Mr.K.Bhannu Chand	<i>[Signature]</i>
i. Faculty	Mr.K.Bhannu Chand	<i>[Signature]</i>
Name		Signature with Date
CUMULATIVE PROPOSED PERIODS		
33		

SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY
 (AUTONOMOUS)
 Accredited by National Board of Accreditation, AICTE, New Delhi. Accredited by
 NAAC with 'A' Grade - 3.32 CGPA Recognized under 2(f) & 12(B) of UGC Act 1956
 Approved by AICTE, New Delhi. Permanent Affiliation to JNTU, Kakinada
 Seetharamapuram, W.G. DT, Narsapur-534280, (Andhra Pradesh)

