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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 & BS	3 Periods	2024-25	18/11/24

COURSE OUTCOMES

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

Experiment Number	Experiment	Contact Hours
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



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CUMULATIVE PROPOSED PERIODS

Name	Signature with Date
i. Faculty	Mr.K.Bhannu Chand <i>[Signature]</i>
ii. Module Coordinator	Mr.K.Bhannu Chand <i>[Signature]</i>
iii. Programme Coordinator	Dr.RVVSV Prasad <i>[Signature]</i>

[Signature]
Principal