SCHOOL OF COMPUTER ENGINEERING
SPECIALIZATION: INFORMATION SECURITY

SEMESTER - I

Sl. No.	Subject Code	Subject Name	Contact Hours per Week			Credit
Theory						
			L	**T**	**P**	
1	MA-6001	Advanced Mathematics	3	1	0	4
2	CS-6101	Algorithm & Complexity Analysis	3	1	0	4
3	CS-6201	Cryptography	3	1	0	4
4	CS-6203	Information Theory & Coding Techniques	3	1	0	4
5		Elective I	3	0	0	3
Total Theory						**19**
Practical						
1	CS-6291	Information Security Lab	0	0	3	2
2	CS-6191	Computing Lab	0	0	3	2
Sessional						
1	CS-6281	Seminar	0	0	2	1
Total Practical & Sessional						**5**
Semester Total						**24**

SEMESTER - II

Sl. No.	Subject Code	Subject Name	Contact Hours per Week			Credit
Theory						
			L	**T**	**P**	
1	CS-6102	Computational Intelligence	3	1	0	4
2	CS-6302	Big Data Analytics	3	1	0	4
3	CS-6202	Cyber Law & Security Policy	3	1	0	4
4		Elective – II	3	0	0	3
5		Elective – III	3	0	0	3
Total Theory						**18**
Practical						
1	CS-6192	Computational Intelligence Lab	0	0	3	2
Sessional						
1	CS-6284	Comprehensive Viva Voce	-	-	-	2
2	CS-6282	Seminar	0	0	2	1
Total Practical & Sessional						**5**
Semester Total						**23**

SEMESTER-III

Sl.No	Subject Code	Subject Name	Credit
1	CS-6287	**Thesis Part-I**	**15**

SEMESTER-IV

Sl.No	Subject Code	Subject Name	Credit
1	CS-6288	**Thesis Part-II**	**20**

LIST OF DEPARTMENT ELECTIVES

Dept. Elective - I

Sl. No	Subject Code	Subject Name	Credit
1.	CS-6221	Data & Knowledge Security	3
2.	CS-6223	Intrusion Detection System	3
3.	CS-6225	Digital Forensics	3

Dept. Elective - II & III

1.	CS-6222	Mobile Wireless Security	3
2.	CS-6224	Biometric Security	3
3.	CS-6226	Steganography and Digital Water Marking	3
4.	CS-6228	Performance Evaluation of Information Systems	3