

Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.)

Scheme of Teaching and Examination

M.Tech. Computer Science & Engineering

Specialization in Cyber Forensic & Information Security

Semester – I

S.No	Board of studies	Subject Code	Subject	Periods per week			Scheme Of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Applied Mathematics	571111(22)	Mathematical Foundation of Information Security	3	1	-	100	20	20	140	4
2.	Computer Sc. & Engg.	587112(22)	Data Communication	3	1	-	100	20	20	140	4
3.	Computer Sc. & Engg.	587113(22)	Cryptography & Network Security	3	1	-	100	20	20	140	4
4.	Computer Sc. & Engg	587114(22)	Cyber forensics	3	1	-	100	20	20	140	4
5.	Refer Table – I		Elective – I	3	1	-	100	20	20	140	4
6.	Computer Sc. & Engg	587121(22)	Information Security Lab	-	-	3	75	-	75	150	2
7.	Computer Sc. & Engg	587122(22)	Digital Signal & Image Processing Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L – Lecture, T – Tutorial, P – Practical, ESE – End Semester Examination, CT – Class Test, TA – Teacher Assessment.

Table - I		
Elective – I		
S. No.	Board of Study	Subject
1.	Computer Science & Engg. 571132(22)	Information Theory & Coding
2.	Computer Science & Engg. 571133(22)	Wireless Communication
3.	Computer Science & Engg. 587131(22)	Data Mining & Warehousing

Semester – II

S.No	Board of studies	Subject Code	Subject	Periods per week			Scheme Of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Computer Sc. & Engg.	587211(22)	Security Threats & Vulnerability	3	1	-	100	20	20	140	4
2.	Computer Sc. & Engg.	587212(22)	Security Architecture Design	3	1	-	100	20	20	140	4
3.	Computer Sc. & Engg.	587213(22)	Ethetical Hacking & Digital Forensics	3	1	-	100	20	20	140	4
4.	Computer Sc. & Engg	587214(22)	Advanced Data Base Technology	3	1	-	100	20	20	140	4
5.	Refer Table – II		Elective – II	3	1	-	100	20	20	140	4
6.	Computer Sc. & Engg	587221(22)	Ethical Hacking Lab	-	-	3	75	-	75	150	2
7.	Computer Sc. & Engg	587222(22)	Network Simulation & Security Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L – Lecture, T – Tutorial, P – Practical, ESE – End Semester Examination, CT – Class Test, TA – Teacher Assessment.

Table - II		
Elective – II		
S. No.	Board of Study	Subject
1.	Computer Science & Engg. 587231(22)	Information security Policies & Procedure
2.	Computer Science & Engg. 587232(22)	Professional Ethical Cyber Security
3.	Computer Science & Engg. 587233(22)	Storage Management & Security

Semester – III

S.No	Board of studies	Subject Code	Subject	Periods per week			Scheme Of Examination			Total Marks	Credit L+(T+P)/2
				L	T	P	Theory/Practical				
							ESE	CT	TA		
1.	Computer Sc. & Engg.	587311(22)	Cyber Laws & Legislation	3	1	-	100	20	20	140	4
2.	Refer Table – III		Elective – III	3	1	-	100	20	20	140	4
3.	Computer Sc. & Engg.	587321(22)	Preliminary work on Dissertation	-	-	28	100	-	100	200	14
4.	Computer Sc. & Engg.	587322(22)	Technical Seminar	-	-	3	-	-	20	20	2
Total				6	2	31	300	40	160	500	24

L – Lecture, T – Tutorial, P – Practical, ESE – End Semester Examination, CT – Class Test, TA – Teacher Assessment.

Table – III		
Elective – III		
S. No.	Board of Study	Subject
1.	Computer Science & Engg. 587331(22)	Preserving & Recovering Digital Evidence
2.	Computer Science & Engg. 587332(22)	Cloud Computing
3.	Computer Science & Engg. 587333(22)	Information Security in Industry

Semester – IV

S.No	Board of studies	Subject Code	Subject	Periods per week			Scheme Of Examination			Total Marks	Credit $L+(T+P)/2$
							Theory/Practical				
				L	T	P	ES E	CT	TA		
1.	Computer Sc. & Engg	587421(22)	Dissertation + Seminar	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23