

# *Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.)*

## Scheme of Teaching & Examination

### M.Tech. (Information Security)

#### UNDER COMPUTER SCIENCE & ENGINEERING BOARD

#### 1<sup>st</sup> Semester

S. N.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
							Theory /Practical				
				L	T	P	ESE	CT	TA		
1	Computer Science & Engg.	571111 (22)	Mathematical Foundations of Information Security	3	1	-	100	20	20	140	4
2	Computer Science & Engg.	571112 (22)	Introduction to Information Security	3	1	-	100	20	20	140	4
3	Computer Science & Engg.	571113 (22)	Operating System Security	3	1	-	100	20	20	140	4
4	Computer Science & Engg.	571114 (22)	Digital Signal and Image Processing	3	1	-	100	20	20	140	4
5	Refer Table – I		Elective – I	3	1	-	100	20	20	140	4
6	Computer Science & Engg.	571121 (22)	Operating System Security Lab	-	-	3	75	-	75	150	2
7	Computer Science & Engg.	571122 (22)	Digital Signal and 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's Assessment

Table – I			
Elective – I			
S.N.	Board of Study	Subject Code	Subject
1	Computer Science & Engg.	571131 (22)	Data Encryption and Compression
2	Computer Science & Engg.	571132 (22)	Information Theory and Coding
3	Computer Science & Engg.	571133 (22)	Wireless Communication

**Note (1) → Choice of elective once made for an examination cannot be changed in future examinations.**

**Note (2) → Examination Duration of all Theory papers will be of THREE hours.**

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### M.Tech. (Information Security)

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#### 2<sup>nd</sup> Semester

S. No	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P) /2
							Theory/Practical				
				L	T	P	ESE	CT	TA		
1	CSE	571211(22)	Network Simulation and Security	3	1	-	100	20	20	140	4
2	CSE	571212(22)	Biometric Security Systems	3	1	-	100	20	20	140	4
3	CSE	571213(22)	Cryptography and Security threats	3	1	-	100	20	20	140	4
4	CSE	571214(22)	Software Engineering and Security	3	1	-	100	20	20	140	4
5	Refer Table – II		Elective – II	3	1	-	100	20	20	140	4
6	CSE	571221(22)	Network Simulation and Security Lab.	-	-	3	75	-	75	150	2
7	CSE	571222(22)	Biometric Security Systems Lab.	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

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Table – II			
Elective – II			
S.N.	Board of Study	Subject Code	Subject
1	Computer Science & Engg.	571231 (22)	Intelligent Systems
2	Computer Science & Engg.	571232 (22)	Information Security policies and Procedures
3	Computer Science & Engg.	571233 (22)	Grid Computing

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## Scheme of Teaching & Examination

### M.Tech. (Information Security)

#### UNDER COMPUTER SCIENCE & ENGINEERING BOARD

#### 3<sup>rd</sup> Semester

S.N.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
							Theory/Practical				
				L	T	P	ESE	CT	TA		
1	Computer Science & Engg.	571311 (22)	Wireless Security Systems	3	1	-	100	20	20	140	4
2	Refer Table – III		Elective – III	3	1	-	100	20	20	140	4
3	Computer Science & Engg.	571321 (22)	Preliminary work on Dissertation	-	-	28	100	-	100	200	14
4	Computer Science & Engg.	571322 (22)	Technical Seminar	-	-	3	-	-	20	20	2
Total				6	2	31	300	40	160	500	24

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Table – III			
Elective – III			
S.N.	Board of Study	Subject Code	Subject
1	Computer Science & Engg.	571331 (22)	Security Audit and Risk Assessment
2	Computer Science & Engg.	571332(22)	Cloud Computing
3	Computer Science & Engg.	571333(22)	Information Security in Industries

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**Scheme of Teaching & Examination**

**M.Tech. (Information Security)**

**UNDER COMPUTER SCIENCE & ENGINEERING BOARD**

**4<sup>th</sup> Semester**

S.N.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
							Theory /Practical				
				L	T	P	ESE	CT	TA		
1	Computer Science & Engg.	571421 (22)	Dissertation + Seminar + Viva-Voce	6	-	34	300	-	200	500	23
Total				6	-	34	300	-	200	500	23

**L**-Lecture, **T**- Tutorial, **P**- Practical, **ESE**- End Semester Examination, **CT**- Class Test, **TA**- Teacher's Assessment