

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI (C.G.)**

**Scheme of Teaching & Examination**

**M.E. Electronics & Telecommunication (Communication)**

**I Semester**

S. No.	Board of Study	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	Electronics & Telecom	551111 (28)	Modern Digital Communication Techniques	3	1	-	100	20	20	140	4
2	Electronics & Telecom	551112 (28)	Communication Hardware Design Using VH DL	3	1	-	100	20	20	140	4
3	Electronics & Telecom	551113 (28)	High performance communication network	3	1	-	100	20	20	140	4
4	Electronics & Telecom	551114 (28)	Microwave & Radar Engineering	3	1	-	100	20	20	140	4
5	Refer Table –I		Elective-I	3	1	-	100	20	20	140	4
6	Electronics & Telecom	551121 (28)	VHDL Design Lab	-	-	3	75	-	75	150	2
7	Electronics & Telecom	551122 (28)	Modern Digital Communication Techniques Lab	-	-	3	75	-	75	150	2
<b>Total</b>				<b>15</b>	<b>5</b>	<b>6</b>	<b>650</b>	<b>100</b>	<b>250</b>	<b>1000</b>	<b>24</b>

L- Lecture  
P- Practical ,  
CT- Class Test

T- Tutorial  
ESE- End Semester Exam  
TA- Teacher's Assessment

**Table-I**

ELECTIVE - I			
S.No.	Board of Study	Subject Code	Subject
1	Applied Mathematics	551131 (14)	Applied Mathematics for Electronics Engineer
2	Electronics & Telecom	551132 (28)	Satellite Communication
3	Electronics & Telecom	551133 (28)	Digital System Design

**Note (1) –** 1/4<sup>th</sup> of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

**Note (2) –** Choice of elective course once made for an examination cannot be changed in future examinations.

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**II Semester**

S. No.	Board of Study	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	Electronics & Telecom	551211 (28)	Secure Communication	3	1	-	100	20	20	140	4
2	Electronics & Telecom	551212 (28)	Advanced Mobile Communication	3	1	-	100	20	20	140	4
3	Electronics & Telecom	551213 (28)	Digital Communication Receivers	3	1	-	100	20	20	140	4
4	Electronics & Telecom	551214 (28)	Embedded Technology in communication System	3	1	-	100	20	20	140	4
5	Refer Table –II		Elective-II	3	1	-	100	20	20	140	4
6	Electronics & Telecom	551221 (28)	Embedded Technology in Communication Systems Lab	-	-	3	75	-	75	150	2
7	Electronics & Telecom	551222 (28)	Signal Processing Lab	-	-	3	75	-	75	150	2
<b>Total</b>				<b>15</b>	<b>5</b>	<b>6</b>	<b>650</b>	<b>100</b>	<b>250</b>	<b>1000</b>	<b>24</b>

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**Table-II**

<b>ELECTIVE II</b>			
S.No.	Board of Study	Subject Code	Subject
1	Electronics & Telecom	551231 (28)	Advanced Digital Signal Processing & Applications
2	Electronics & Telecom	551232 (28)	Microwave Integrated Circuits
3	Electronics & Telecom	551233 (28)	Optical Communication System

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**Scheme of Teaching & Examination**

**M.E. Electronics & Telecommunication (Communication)**

**III Semester**

S. No.	Board of Study	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	Electronics & Telecom	551311 (28)	Broad Band Communication Technology	3	1	-	100	20	20	140	4
2	Refer Table – III		Elective III	3	1	-	100	20	20	140	4
3	Electronics & Telecom	551321 (28)	Project Work	-	-	28	100	-	100	200	14
4	Electronics & Telecom	551322 (28)	Seminar on Industrial Training & Dissertation.	-	-	3	-	-	20	20	2
<b>Total</b>				<b>6</b>	<b>2</b>	<b>31</b>	<b>300</b>	<b>40</b>	<b>160</b>	<b>500</b>	<b>24</b>

L- Lecture  
P- Practical,  
CT- Class Test

T- Tutorial  
ESE- End Semester Exam  
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<b>Table – III</b>		
<b>Elective – III</b>		
<b>Board of Study</b>	<b>Code</b>	<b>Subject</b>
Electronics & Telecom.	551331 (28)	Electromagnetic Interference and Compatibility
Electronics & Telecom.	551332 (28)	Soft Computing
Electronics & Telecom.	551333 (28)	Global Tracking & Positioning System

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**IV Semester**

S. No.	Board of Study	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	Electronics & Telecom	551421 (28)	Project + Seminar	6	-	34	300	-	200	500	23
<b>Total</b>				<b>6</b>	<b>-</b>	<b>34</b>	<b>300</b>	<b>-</b>	<b>200</b>	<b>500</b>	<b>23</b>

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

**Note (1) –**                    **1/4<sup>th</sup> of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.**

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**Scheme of Marks Allotment**

Semester	Total Marks	Grand Total
<b>I</b>	<b>1000</b>	<b>3000</b>
<b>II</b>	<b>1000</b>	
<b>III</b>	<b>500</b>	
<b>IV</b>	<b>500</b>	