



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

SCHEME OF TEACHING AND EXAMINATION

B.Tech (Third Semester – Electrical & Electronics Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Basic Science	Mathematics - III	B000311(014)	3	1	-	100	20	30	150	4
2.	EEE	Electrical Circuit Analysis	B025312(025)	3	1	-	100	20	30	150	4
3.	EEE	Electrical Machine-I	B025313(025)	3	1	-	100	20	30	150	4
4.	EEE	Electronics Devices & Circuits	B025314(025)	2	1	-	100	20	30	150	3
5.	EEE	Renewable & Environment Engineering	B025315(025)	2	-	-	100	20	30	150	2
6.	EEE	Electrical Machine-I Lab	B025321(025)		-	2	40	-	20	60	1
7.	EEE	Electronics Devices & Circuits I Lab	B025322(025)		-	2	40	-	20	60	1
8.	EEE	Electrical Circuit Analysis Lab	B025323(025)		-	2	40	-	20	60	1
9.	EEE	Software Lab	B025324(025)		-	2	40	-	20	60	1
10.	Humanities	Personality Development	B000306(046)	-	-	2	-	-	10	10	-
Total Marks				13	4	10	660	100	240	1000	21

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

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

SCHEME OF TEACHING AND EXAMINATION

B Tech (ELECTRICAL& ELECTRONICS ENGINEERING) IV Semester

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credits
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	EEE	Electro Magnetic Field	B025411(025)	3	1	-	100	20	30	150	4
2.	EEE	Electrical Machine-II	B025412(025)	3	1	-	100	20	30	150	4
3.	EEE	Network Analysis & Synthesis	B025413(025)	3	1	-	100	20	30	150	4
4.	EEE	Electrical Measurement & Instrumentation	B025414(025)	2	1	-	100	20	30	150	3
5.	EEE	Digital Electronics	B025415(025)	2	0	-	100	20	30	150	2
6.	EEE	Electrical Measurement & Instrumentation Lab	B025421(025)	-	-	2	40	-	20	60	1
7.	EEE	Electrical Machine-II Lab	B025422(025)	-	-	2	40	-	20	60	1
8.	EEE	Digital Electronics Lab	B025423(025)	-	-	2	40	-	20	60	1
9.	EEE	Virtual Lab	B025424(025)	-	-	2	40	-	20	60	1
10.	Non-Credit	Indian Culture and Constitution of India	B000406(046)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L: Lecture, T: Tutorial, P: Practical, ESE: End Semester Exam, CT: Class Test, TA: Teachers Assessment

Note: Duration of all theory papers will be of Three Hours.

Note:

- Duration of End Semester Exam of all theory papers will be of Three Hours.
- Industrial Training of eight weeks is mandatory for B.Tech.. Student. It is to be completed in two parts.
 - The first part will be in summer after IV semester after which students have to submit a training report which will be evaluated by the college teachers during B.E. V semester.



Chhattisgarh Swami Vivekanand Technical University (CSVTV, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Fifth Semester - ELECTRICAL & ELECTRONICS ENGINEERING)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	L	T	P	Theory/Lab			Total Marks	Credits
							ESE	CT	TA		
1.	EEE	Signal & System	C025511(025)	3	1	-	100	20	30	150	4
2.	EEE	Control System	C025512(025)	3	1	-	100	20	30	150	4
3.	EEE	Electrical Power System-I	C025513(025)	3	1	-	100	20	30	150	4
4.	EEE	Micro Processor and Micro Controller	C025514(025)	2	1	-	100	20	30	150	3
5.	EEE	Professional Elective –I (Refer Table I)		2	0	-	100	20	30	150	2
6.	EEE	Control System Lab	C025521(025)	-	-	2	40	-	20	60	1
7.	EEE	Electrical Power System-I Lab	C025522(025)	-	-	2	40	-	20	60	1
8.	EEE	Micro Processor and Micro Controller Lab	C025523(025)	-	-	2	40	-	20	60	1
9.	EEE	Project-I based on Summer Internship/ Industrial Training	C025524(025)	-	-	2	40	-	20	60	1
10.	Civil Engg.	Environmental Studies	C000506(020)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer
P – Practical,
TA – Teacher's Assessment

T – Tutorial,
ESE – End Semester Exam,

CT – Class Test

Professional Elective I

S.N.	Board of Studies	Course Code	Subject
1	EEE	C025531(025)	Linear Integrated Circuit
2	EEE	C025532(025)	Electrical Machine Design
3	EEE	C025533(025)	Modern Instrumentation Techniques
4	EEE	C025534(025)	Wind and Solar Energy Systems
5	EEE	C025535(025)	Testing & Commissioning of Electrical Equipments

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

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



SCHEME OF TEACHING AND EXAMINATION

B Tech (Sixth Semester – Electrical and Electronics Engineering)

Sl. No.	Board of Studies	Courses (Subject)	Course Code	Period per Week			Theory/Lab			Total Marks	Credits
				L	T	P	ESE	CT	TA		
1.	EEE	Power Electronics	C025611(025)	3	1	-	100	20	30	150	4
2.	EEE	Electrical Power System-II	C025612(025)	3	1	-	100	20	30	150	4
3.	EEE	Digital Signal Processing	C025613(025)	3	1	-	100	20	30	150	4
4.	Professional Elective-II (Refer Table I)			2	1	-	100	20	30	150	3
5.	Open Elective – I (Refer Table II)			2	0	-	100	20	30	150	2
6.	EEE	Power Electronics lab	C025621(025)	-	-	2	40	-	20	60	1
7.	EEE	Electrical Power System-II Lab	C025622(025)	-	-	2	40	-	20	60	1
8.	EEE	Computer Simulation Lab	C025623(025)	-	-	2	40	-	20	60	1
9.	EEE	Digital Signal Processing lab	C025624(025)	-	-	2	40	-	20	60	1
10.	Humanities	Technical Communication and Soft Skill	C000601(046)	-	-	2	-	-	10	10	-
Total				13	4	10	660	100	240	1000	21

L – Lecturer
P – Practical,

T – Tutorial, TA – Teacher's Assessment
ESE – End Semester Exam, CT – Class Test

Table I (Professional Elective II)

S.N.	Board of Studies	Subject	Course Code
1.	EEE	Communication System	C025631(025)
2.	EEE	Distributed Generation	C025632(025)
3.	EEE	Testing & Commissioning of Electrical Equipments	C025633(025)
4.	EEE	Simulation & Programming	C025634(025)
5.	EEE	Medical Electronics	C025635(025)

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

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



Chhattisgarh Swami Vivekanand Technical University (CSV TU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Seventh Semester – Electrical & Electronics Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Marks	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	EEE	Power System Protection	D025711(025)	3	1	-	100	20	30	150	4
2.	EEE	Electrical Drives	D025712(025)	2	1	-	100	20	30	150	3
3.	EEE	High Voltage Engineering	D025713(025)	2	1	-	100	20	30	150	3
4.	Professional Elective –III (Refer to Table I)			1	1	-	100	20	30	150	2
5.	Open Elective- II (Refer to Table II)			2	0	-	100	20	30	150	2
6.	EEE	Power System Protection Lab	D025721(025)	-	-	2	40	-	20	60	1
7.	EEE	High Voltage Engineering Lab	D025722(025)	-	-	2	40	-	20	60	1
8.	EEE	Project (Phase I)	D025723(025)	-	-	6	60	-	40	100	3
9.	EEE	Industrial Training	D025724(025)			2			20	20	1
10.	Humanities	Universal Human Values 2	D000701(046)	-	-	2	-	-	10	10	-
Total Marks				10	4	14	640	100	260	1000	20

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

➤ Note: - The students have to attend the four weeks industrial training / summer internship in B. Tech program after sixth semester, which will be evaluated in seventh semester.

Table I (Professional Elective III)

S.N.	Board of Studies	Course Code	Subject
1.	EEE	D025731(025)	Soft Computing Techniques
2.	EEE	D025732(025)	Illumination Engineering
3.	EEE	D025733(025)	Industrial Electrical Systems
4.	EEE	D025734(025)	Electric and Hybrid vehicle
5.	EEE	D025735(025)	VLSI Design

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

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



Chhattisgarh Swami Vivekanand Technical University (CSV TU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

B Tech (Eight Semester – Electrical & Electronics Engineering)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Course Code	Period per Week			Scheme of Examination			Total Mark	Credit
				L	T	P	Theory/Lab				
							ESE	CT	TA		
1.	Electrical & Electronics Engineering	Computer Aided Power System	D025811(025)	3	1	-	100	20	30	150	4
2.	Professional Elective–IV (Refer to Table-I)			2	1	-	100	20	30	150	3
3.	Open Elective–III (Refer to Table-III)			2	0	-	100	20	30	150	2
6.	Electrical & Electronics Engineering	Computer Aided Power System (Lab)	D025821(025)	-	-	2	40	-	20	60	1
7.	Electrical & Electronics Engineering	Installation, Maintenance and Testing of Electrical Equipment (Lab)	D025822(025)	-	-	2	40	-	20	60	1
8.	Electrical & Electronics Engineering	Project (Phase-II)	D025823(025)	-	-	14	350	-	80	430	7
Total Marks				7	2	18	730	60	210	1000	18

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

Table-I (Professional Elective-IV)

S.N.	Board of Studies	Course Code	Subject
1.	Electrical & Electronics Engineering	D025831(025)	Power Apparatus System
2.	Electrical & Electronics Engineering	D025832(025)	Power System Dynamics and Control
3.	Electrical & Electronics Engineering	D025833(025)	Control Systems Design
4.	Electrical & Electronics Engineering	D025834(025)	EHV AC & DC Transmission
5.	Electrical & Electronics Engineering	D025835(025)	Flexible AC Transmission System

Note: (1) 1/4th of total strength of students subject to minimum of 20 students is required to offer and elective in the college in a particular academic session.

(2) Choice of elective course once made for an examination cannot be changed in future Examinations.