



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	Communication System	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	Minor Project	C025624(025)	-	-	2	40	-	20	60	1
10.	Humanities	Technical Communication and Soft Skill	C000625(025)	-	-	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	Digital Signal Processing	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.))

B Tech (Sixth Semester)

List of Open Elective – I (Table III) (For 6th Semester)

S.N.	Board of Studies	Subject	Course Code
1	Agriculture Engg.	Food Packaging Technology	C000601(094)
2	Agriculture Engg	Energy Management & Audit	C000602(094)
3	Agriculture Engg	Energy Conservation & Management	C000603(094)
4	Agriculture Engg	Disaster Management	C000604(094)
5	Agriculture Engg	Ecology and Sustainable Development	C000605(094)
6	Agriculture Engg	Non Conventional Energy Sources	C000606(094)
7	Mechanical Engineering	Safety Engineering	C000607(037)
8	Mechanical Engineering	Value Engineering	C000608(037)
9	Mechanical Engineering	Managing Innovation & Entrepreneurship	C000609(037)
10	Mechanical Engineering	Environment Pollution & Control	C000610(037)
11	Management	Enterprise Resource Planning	C000611(076)
12	Computer Science Engg.	Artificial Intelligence	C000612(022)
13	Computer Science Engg	Quantum Computing	C000613(022)
14	Computer Science Engg	Cyber Security	C000614(022)
15	Civil Engg	Construction engineering and management	C000615(020)
16	Civil Engg	Metro system and engineering	C000616(020)
17	Civil Engg	Infrastructure Planning and Management	C000617(020)
18	Computer Science Engg	Cyber Security	C000618(022)
19	Computer Science Engg	Parallel Processing & Computing	C000619(022)
20	Computer Science Engg	Cryptography & Network Security	C000620(022)
21	Computer Science Engg	Cloud Computing	C000621(022)
22	Electrical Engineering	Fibre Optics	C000622(024)
23	Electrical Engineering	Microcontroller and Embedded System	C000623(024)
24	Electrical Engineering	Hybrid Electric vehicle	C000624(024)
25	Electrical Engineering	Digital Control System	C000625(024)
26	Electrical and Electronics Engg	Electrical Estimation and Costing	C000626(025)
27	Electrical and Electronics Engg	Energy Auditing and Management	C000627(025)
28	Management	Finance Management	C000628(076)
29	Mechanical Engineering	Safety Engineering	C000629(037)
30	Electronics & Telecom.	AI and Machine learning	C000630(028)
31	Electronics & Telecom.	Operating Systems	C000631(028)
32	Electronics & Telecom.	Internet & Web Technology	C000632(028)
33	Electronics & Telecom.	Database Management Systems (DBMS)	C000633(028)
34	Electronics & Telecom.	Device Modelling	C000634(028)
35	Electronics & Telecom.	Introduction to MEMS	C000635(028)
36	Mechanical Engineering	Principles of Management	C000636(037)
37	Mechanical Engineering	Advanced I.C. Engines	C000637(037)

38	Mechanical Engineering	Mechanical Vibrations & Condition Monitoring	C000638(037)
39	Mechatronics	Entrepreneurship Developments	C000639(067)
40	Mechatronics	Enterprise Resource Planning (Except CSE & IT Branch)	C000640(067)
41	Plastic Engineering	Heat Transfer Operation	C000641(095)
42	Plastic Engineering	Process Economics and Management	C000642(095)
43	Plastic Engineering	Adhesive and Surface Coating	C000643(095)
44	Information Technology	E-Commerce	C000644(033)
45	Information Technology	Industrial Economics and Management	C000645(033)
46	Information Technology	Project Planning & Management	C000646(033)
47	Information Technology	Bio-Informatics	C000647(033)
48	Information Technology	Management Information System	C000648(033)