



Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG)

Scheme for B. Tech. First Semester (Electrical and Electronics (Power System 3146))

S.No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Assessment/ assignment hours per week	Teaching Hours/sem
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1.	Applied Mathematics	Engineering Mathematics-1	3000A02AT014	BFC-BSC	3	1		100	20	20	140	4	1	60
2.	Applied Physics	Engineering Physics (circuit)	3000A03AT015	BFC-BSC	3	-	-	100	20	20	140	3	1	45
3.	Electrical Engineering	Basic Electrical Engineering	3000A05AT024	BFC-ESC	3	-	-	100	20	20	140	3	1	45
4.	Electrical & Electronics Engineering	Fundamentals of Electrical & Electronics Engineering-I	3025A01CT025	SBS-PCC	3	1	-	100	20	20	140	4	1	60
5.	Humanities	Professional Communication Skills	3000A06DT046	AEC-HSM C	2		-	50	10	10	70	2	1	30
6.	Humanities	Foundation course on Ancient Indian Knowledge System	3000A07ET046	IKS	2	-	-	50	10	10	70	2	1	30
7.	Computer Science Engineering	Fundamentals of Computer & IT Lab	3000A02CL022	SBS-ESC	-	-	4	40	-	20	60	2	1	60
8.	Electrical & Electronics Engineering	Fundamentals of Electrical & Electronics Engineering-I (Lab)	3025A01CL025	SBS-PCC	-	-	2	40	-	20	60	1	-	30
9.	Applied Physics	Engineering Physics Lab (circuit)	3000A03AL015	BFC-BSC	-	-	2	40	-	20	60	1	-	30
10.	Electrical Engineering	Basic Electrical Engineering Lab	3000A05AL024	BFC-ESC	-	-	2	40	-	20	60	1	-	30
11.	Humanities	Sports & Yoga	3000A06FL046	VAC-MNC AU	-	-	2	-	-	30	30	-	-	30
12.	Humanities	Social Service/Community Services	3000A07FL046	VAC-MNC AU	-	-	2	-	-	30	30	-	-	30
13.		Library				1								15
Total					16	3	14	660	100	240	1000	23	105	495
Total Learning Hours/Semester													600	

L-Lecture, P-Practical, ESE-End semester Exam, CT-Class Test, TA-Teacher's Assessment

Note: Abbreviations of Course category

BFC- Basics Foundation Course

SBS- Skilled Based Subject (Branch Specific)

IKS- Indian Knowledge System

AEC- Ability Enhancement Course

VAC- Value Added Course

BSC- Basic Science Courses

ESC- Engineering Science Courses

PCC- Professional Core Courses

HSMC- Humanities, Social Sciences & Management Courses

MNC AU-Mandatory Non Credit Courses – Audit Course



Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG)

Scheme for B. Tech. Second Semester (Electrical and Electronics (Power Systems 3146))

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Assessment/assignment hours per week	Teaching Hours
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1.	Applied Mathematics	Engineering Mathematics-II	3000B02AT014	BFC-BSC	3	1	-	100	20	20	140	4	2	60
2.	EEE	Electrical Measurement Techniques	3025B01CT025	SBS-PCC	3	-	-	100	20	20	140	3	2	45
3.	Applied Chemistry	Environmental Chemistry	3000B03AT011	BFC-BSC	3	-	-	100	20	20	140	3	2	45
4.	Computer Science Engineering	Concepts of Programming Language	3000B04AT022	BFC-ESC	3	-	-	100	20	20	140	3	1	45
5.	Humanities	Indian Culture and Constitution	3000B05ET046	IKS	2	-	-	50	10	10	70	2	1	30
6.	Management	Cyber Law and Ethics	3000B06FT076	VAC	1	-	-	50	10	10	70	1	1	15
7.	Computer Science Engineering	Concepts of Programming Language (Lab)	3000B02AL022	BFC-ESC	-	-	2	40	-	20	60	1	1	30
8.	Mechanical Engineering	Engineering Graphics (Lab)	3000B03AL037	BFC-BSC	-	-	4	40	-	20	60	2	1	60
9.	Applied Chemistry	Environmental Chemistry (Lab)	3000B04AL011	BFC-BSC	-	-	2	40	-	20	60	1	-	30
10.	EEE	Electrical Measurement Techniques (Lab)	3025B01CL025	SBS-PCC	-	-	2	40	-	20	60	1	-	30
11.	Humanities	Value Education	3000B07FT046	VAC-MNCAU	1	-	-	-	-	30	30	-	-	15
12.	Civil Engineering	Civil Engg-Societal and Global Impact	3000B08FT020	VAC-MNCAU	1	-	-	-	-	30	30	-	-	15
13.		Library				1								15
Total					17	2	10	660	100	240	1000	21	165	435
Total Learning Hours/semester													600	

L-Lecture, P-Practical, ESE-End semester Exam, CT-Class Test, TA-Teacher's Assessment

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MNC AU-Mandatory Non Credit Courses – Audit Course



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

Scheme of Teaching and Examination

Scheme for B.Tech Third Semester (Electrical and Electronics (Power Systems)-3146)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Teaching Hours/sem	Assessment hours/sem (Assignment/ Practical file)
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1	Applied Mathematics	Engineering Mathematics-III	3000C01AT014	BFS-BSC	2	1	-	100	20	20	140	3	45	15
2	Electrical and Electronics Engineering	Electrical Circuits	3146C02BT025	PCC	2	1	-	100	20	20	140	3	45	15
3	Electrical and Electronics Engineering	Electrical Machine-I	3025C03BT025	PCC	2	1	-	100	20	20	140	3	45	15
4	Electrical and Electronics Engineering	Electronic Devices and Circuits	3146C04CT025	SBS-PCC	2	1	-	100	20	20	140	3	45	15
5	Electrical and Electronics Engineering	Electrical Power Generation	3146C05CT025	SBS-PCC	2	1	-	100	20	20	140	3	45	15
6	Humanities	Life Concept by Bhagwat Gita	3000C06ET046	IKS	2	-	-	100	20	20	140	2	30	15
7	Electrical and Electronics Engineering	Electrical Machine-I Lab	3146C01BL025	PCC	-	-	2	40	-	20	60	1	30	15
8	Electrical and Electronics Engineering	Electrical Circuit Lab	3146C02BL025	PCC	-	-	2	40	-	20	60	1	30	15
9	Electrical and Electronics Engineering	Electronic Devices and Circuits Lab	3146C03CL025	SBS-PCC	-	-	2	40	-	20	60	1	30	15
10	Electrical and Electronics Engineering	Programming with Python Lab (Idea Innovation Lab)	3146C04FL025	VAC		-	2	-	-	40	40	1	30	15
11	Management	Personality Development	3000C07DT076	AEC-MNC AU	1		2			40	20	-	45	15
12		Library				1		-	-	-	-	-	15	-
Total					13	6	10	720	120	260	1100	21	435	165
Total Learning Hours/Semester													600	

L- Lecture, P- Practical, ESE- End Semester Exam, CT- Class Test, TA- Teacher Assessment

Note: Abbreviations of Course category

BFS Basics Foundation Subject

BSC Basic Science Courses

PCC Professional Core Courses

VAC Value Added Course

SBS Skilled Based Subject (Branch Specific)

IKS Indian Knowledge System

AEC Ability Enhancement Course

MNC AU Mandatory Non Credit Courses – Audit Course



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

Scheme of Teaching and Examination

Scheme for B.Tech Fourth Semester (Electrical and Electronics (Power System)-3146)

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Teaching Hours	Assessment hours/sem (Assignment /Practical file)
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1	Applied Mathematics	Numerical Analysis	3146D05BT014	PCC	3	1	-	100	20	20	140	4	60	15
2	Electrical and Electronics Engineering	Power System-I	3146D03BT025	PCC	3	1	-	100	20	20	140	4	60	15
3	Electrical and Electronics Engineering	Electrical Machine-II	3025D01BT025	PCC	3	1	-	100	20	20	140	4	60	15
4	Electrical and Electronics Engineering	Electrical Measurements & Measuring Instruments	3146D04CT025	SBS-PCC	2	1	-	100	20	20	140	3	45	15
5	Electrical and Electronics Engineering	Digital Electronics	3146D02BT025	PCC	1	1		100	20	20	140	2	30	15
6	Humanities	Indian Traditional Knowledge: Science and Practices	3000D06ET046	IKS	2	-	-	50	10	10	70	2	30	10
7	Electrical and Electronics Engineering	Power System-I Lab	3146D01BL025	PCC	-	-	2	40	-	20	60	1	30	10
8	Electrical and Electronics Engineering	Electrical Machine-II Lab	3146D02BL025	PCC	-	-	2	40	-	20	60	1	30	10
9	Electrical and Electronics Engineering	Digital Electronics Lab	3146D03BL025	PCC	-	-	2	40	-	20	60	1	30	10
10	Electrical and Electronics Engineering	Electrical Measurements & Measuring Instruments Lab	3146D04CL025	SBS-PCC	-	-	2	40	-	20	60	1	30	10
11	Management	Entrepreneurship Development and Startups	3000D07DT076	AEC-MNC AU	2		-	-	-	50	50	-	30	10
12	Humanities	Emotional Intelligence and Social Learning	3000D08FT046	VAC-MNC AU	1					40	40		15	-
13		Library				1		-	-		-		15	-
Total					17	6	8	710	110	280	1100	23	465	135
Total Learning Hours/semester														600

L- Lecture, P- Practical, ESE- End Semester Exam, CT- Class Test, TA- Teacher Assessment

Note: Abbreviations of Course category

BFS Basics Foundation Subject

BSC Basic Science Courses

PCC Professional Core Courses

VAC Value Added Course

SBS Skilled Based Subject (Branch Specific)

IKS Indian Knowledge System

AEC Ability Enhancement Course

MNC AU Mandatory Non Credit Courses – Audit Course