



Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG)

Scheme for Diploma First Semester

Common to Branches : Architecture, Chemical Engineering, Civil Engineering , Mechanical Engineering , Metallurgy , Mining Engineering, Mining & Mine Surveying, Industrial Safety & Fire Safety Engineering, Geographic Information System (G.I.S) and Global positioning System, Cement Technology, Computer Science & Engineering, Electrical Engineering , Electrical & Electronics Engineering, Electronics & Telecommunication Engineering, Information Technology , Instrumentation Engineering, EV-Technology , Artificial Intelligence & Machine Learning , Computer Science , Artificial Intelligence (AI), Biomedical Instrumentation

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
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1.	Applied Chemistry	Applied Chemistry	2000A01AT011	BFC-BSC	4	-	-	100	20	20	140	4	60	20
2.	Applied Mathematics	Basic Mathematics	2000A02AT014	BFC-BSC	2	1	-	100	20	20	140	3	45	15
3.	Computer Science Engg	Fundamentals of Computer & Information Technology	2000A03CT022	SBS-PCC	2	-	-	100	20	20	140	2	30	15
4.	Mechanical Engineering	Engineering Drawing	2000A04AT037	BFC-ESC	2	-	-	100	20	20	140	2	30	15
5.	Humanities	Communication Skills	2000A05DT046	AEC-ESC	3	1	-	50	10	10	70	4	60	15
6.	Information Technology	Cyber Threats and Awareness	2000A06FT033	VAC	1	-	-	50	10	10	70	1	15	15
7.	Mechanical Engineering	Engineering Workshop (Lab)	2000A01AL037	BFC-ESC	-	-	4	40	-	20	60	2	60	10
8.	Computer Science Engg	Fundamentals of Computer & Information Technology (Lab)	2000A02CL022	SBS-PCC	-	-	2	40	-	20	60	1	30	10
9.	Mechanical Engineering	Engineering Drawing (Lab)	2000A03AL037	BFC-ESC	-	-	2	40	-	20	60	1	30	10
10.	Applied Chemistry	Applied Chemistry (Lab)	2000A04AL011	BFC-BSC	-	-	2	40	-	20	60	1	30	10
11.	Humanities	Yoga & Meditation	2000A05FL046	VAC-MNC AU	-	-	2	-	-	20	20	-	30	15
12.	Civil Engineering	Civil Engg-Societal and Global Impact	2000A07FT020	VAC-MNC AU	1	-	-	-	-	40	40	-	15	15
13		Library				1		-	-	-	-	-	-	-
	Total				15	03	12	660	100	240	1000	21	435	165
	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



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					L	T	P	Theory/Lab						
								ESE	CT	TA				
1.	Applied Physics	Applied Physics	2000B01AT015	BFC-BSC	4	-	-	100	20	20	140	4	60	10
2.	Civil Engineering	Fundamentals of Civil Engineering & Mechanical	2000B02AT020	BFC-ESC	2	2	-	100	20	20	140	4	60	10
3.	Electronics and Telecommunication Engg.	Fundamentals of Electrical & Electronics Engineering	2000B03AT028	BFC-BSC	2	1	-	100	20	20	140	3	45	10
4.	Applied Mathematics	Applied Mathematics	2000B04AT014	BFC-BSC	2	1	-	100	20	20	140	3	45	10
5.	Civil Engineering	Environmental Engineering and Sustainable Development	2000B05CT020	SBS-PCC	2	-	-	100	20	20	140	2	30	10
6.	Humanities	Professional Communication & Language (Lab)	2000B01DL046	AEC-BSC	-	-	4	40	-	20	60	2	60	10
7.	Electronics and Telecommunication Engg.	Electrical and Electronics Workshop	2000B02CL028	SBS-PCC	-	-	2	40	-	20	60	1	30	10
8.	Applied Physics	Applied Physics (Lab)	2000B03AL015	BFC-BSC	-	-	2	40	-	20	60	1	30	10
9.	Computer Science Engineering	Essentials of Office Application (Lab)	2000B04CL022	SBS-PCC	-	-	2	40	-	20	60	1	30	10
10	Humanities	Indian Constitution	2000B06ET046	IKS	1	-	-	-	-	20	20	1	15	25
11.	Humanities	Universal Human Value-I	2000B07FT046	VAC-MNC AU	2	-	-	-	-	20	20	-	30	10
12.	Humanities	Sports and Social/Community Services	2000B05FL046	VAC-MNC AU	-	-	2	-	-	20	20	-	30	10
13		Library				1	-	-	-	-	-	-	-	-
	Total				15	05	12	660	100	240	1000	22	465	135
	Total Learning Hours/Semester												600	

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

Scheme of Teaching and Examination

Scheme for Diploma Biomedical Instrumentation Third Semester (2152)

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	Biomedical Instrumentation	Medical Electronics	2152C01BT034	PCC	2	1	-	100	20	20	140	3	45	15
2	Biomedical Instrumentation	Fundamental of Digital Electronics	2152C02CT034	SBS-PCC	2	1	-	100	20	20	140	3	45	15
3	Biomedical Instrumentation	Medical sensor and Measurement	2152C03BT034	PCC	2	1	-	100	20	20	140	3	45	15
4	Biomedical Instrumentation	Principle of Telemedical Communication	2152C04CT034	SBS-PCC	2	1	-	100	20	20	140	3	45	15
5	Biomedical Instrumentation	Biomechanics	2152C05BT034	PCC	2	1	-	100	20	20	140	3	45	15
6	Biomedical Instrumentation	Medical Electronics Lab	2152C01BL034	PCC	-	-	2	40	-	20	60	1	30	15
7	Biomedical Instrumentation	Fundamental of Digital Electronics Lab	2152C02BL034	PCC	-	-	2	40	-	20	60	1	30	15
8	Biomedical Instrumentation	Medical sensor and Measurement Lab	2152C03CL034	SBS-PCC	-	-	2	40	-	20	60	1	30	15
9	Biomedical Instrumentation	Principle of Telemedical Communication Lab	2152C04CL034	SBS-PCC	-	-	2	40	-	20	60	1	30	15
10	Humanities	Indian Traditional Knowledge:Science and	2152C06ET046	IKS	1	-	-	-	-	20	20	1	15	15
11	CSE	Idea and Innovation Lab	2152C05FL022	VAC	-	-	2	-	-	30	30	1	30	15
12	Humanities	Personality Development	2152C07DT046	AEC-MNC AU	1	-	-	-	-	10	10	-	15	15
13	-	Library			-	1	-	-	-	-	-	-	15	-
Total					12	6	10	660	100	240	1000	21	420	180
TotalLearning 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

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