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
								Theory/Lab						
					L	T	P	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	2000A07FL033	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	2000A06FL020	VAC-MNC AU	1	-	-	-	-	40	40	-	15	15
		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   **BSC- Basic Science Courses**

SBS- Skilled Based Subject (Branch Specific)   **ESC- Engineering Science Courses**

IKS- Indian Knowledge System   **PCC- Professional Core Courses**

AEC- Ability Enhancement Course   **HSMC- Humanities, Social Sciences & Management Courses**

VAC- Value Added Course   **MNC AU-Mandatory Non Credit Courses – Audit Course**

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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
								Theory/Lab						
					L	T	P	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	2000B05EL046	IKS	1	-	-	-	-	20	20	1	15	25
11.	Humanities	Universal Human Value-I	2000B06FL046	VAC-MNC AU	2	-	-	-	-	20	20	-	30	10
12.	Humanities	Sports and Social/ Community Services	2000B07FL046	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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