



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

Scheme of Teaching and Examination

B.Tech Honors Computer Science and Engineering (Artificial Intelligence) First Semester (3127) (NEP)

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/ Sem
					L	T	P	Theory/Lab						
								ESE	CT	TA				
1.	Applied Mathematics	Engineering Mathematics-I	3127A01AT014	BFC – BSC	3	1	-	100	20	20	140	4	2	60
2.	Computer Sciences Engineering	Fundamentals of Computer	3127A02CT022	SBS – ESC	3	-	-	100	20	20	140	3	2	45
3.	Civil Engineering	Environmental Science	3127A03AT020	BFC – ESC	3	-	-	100	20	20	140	3	1	45
4.	Computer Sciences Engineering	Learning Programming with C Language	3127A04CT022	SBS – PCC	3	-	-	100	20	20	140	3	1	45
5.	Electronics and Telecommunication	Basic Electronics Engineering	3127A05AT028	BFC – ESC	3	-	-	100	20	20	140	3	1	45
6.	Humanities	Professional Communication Skills	3127A06DT046	AEC	2	-	-	50	10	10	70	2	1	30
7.	Humanities	Foundation course on Ancient Indian Knowledge System	3127A07ET046	IKS	2	-	-	50	10	10	70	2	1	30
8.	Computer Sciences Engineering	Learning Programming with C (Lab)	3127A01CL022	SBS – PCC	-	-	4	40	-	20	60	2	-	60
9.	Electronics and Telecommunication	Basic Electronics Engineering (Lab)	3127A02AL028	BFC – ESC	-	-	2	40	-	20	60	1	-	30
10.	Humanities	Value Education	3127A03FL046	VAC MNC AU	-	-	2	-	-	20	20	-	-	30
11.	Humanities	Sports & Yoga /Social Service/Community Services	3127A04FL046	VAC MNC AU	-	-	2	-	-	20	20	-	-	30
12.		Library	-		-	1	-	-	-	-	-	-	-	15
	Total				19	2	10	680	120	200	1000	23	135	465
	Total Learning Hours/Semester												600	

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

Note:

AEC- Ability Enhancement Course

SBS- Skilled Based Subject

IKS- Indian Knowledge System

VAC- Value Added Course

MNC AU- Mandatory Non Credit Courses – Audit Course

BFC- Basics Foundation Course

BSC- Basic Science Courses

ESC- Engineering Science Courses

PCC- Professional Core Courses

HSMC- Humanities, Social Sciences & Management Courses



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

Scheme of Teaching and Examination

B.Tech Honors Computer Science and Engineering (Artificial Intelligence) Second Semester (3127) (NEP)

S. N.	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	3127B01AT014	BFC - BSC	3	1	-	100	20	20	140	4	2	60	
2.	Computer Sciences Engineering	Python for Data Science	3127B02CT022	SBS - PCC	3	1	-	100	20	20	140	4	1	60	
3.	Computer Sciences Engineering	Data Structure Using C	3127B03AT022	BFC - ESC	3	-	-	100	20	20	140	3	2	45	
4.	ComputerScience Engineering	Object Oriented Programming	3127B04AT022	BFC - ESC	3	-	-	100	20	20	140	3	1	45	
5.	Electronics & Telecommunication	Digital Logic and Design	3127B05AT028	BFC - ESC	2	-	-	50	10	10	70	2	1	30	
6.	Humanities	Indian Culture and Constitution	3127B06ET046	IKS	2	-	-	50	10	10	70	2	1	30	
7.	Computer Sciences Engineering	Data Structure Using C (Lab)	3127B01AL022	BFC - ESC	-	-	4	40	-	20	60	2	1	60	
8.	Electronics & Telecommunication	Digital Logic and Design (Lab)	3127B02AL028	BFC - ESC	-	-	2	40	-	20	60	1	1	30	
9.	Computer Sciences Engineering	Object Oriented Programming (Lab)	3127B03AL022	BFC- ESC	-	-	2	40	-	20	60	1	-	30	
10.	Computer Sciences Engineering	Python for Data Science (Lab)	3127B04CL022	SBS - PCC	-	-	2	40	-	20	60	1	-	30	
11.	Management	Cyber Law and Ethics	3127B07FT076	VAC-MNC AU	1	-	-	-	-	30	30	-	-	15	
12.	Civil Engineering	Civil Engineering-Societal and Global Impact	3127B08FT020	VAC-MNC AU	1	-	-	-	-	30	30	-	-	15	
13.		Library	-	-	-	1	-	-	-	-	-	-	-		
Total						18	2	10	660	100	240	1000	23	135	435
		Total Learning Hours/semester											600		

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

Note:

AEC- Ability Enhancement Course

SBS- Skilled Based Subject

IKS- Indian Knowledge System

VAC- Value Added Course

MNC AU-Mandatory Non Credit Courses – Audit Course

BFC- Basics Foundation Course

BSC- Basic Science Courses

ESC- Engineering Science Courses

PCC- Professional Core Courses

HSMC- Humanities, Social Sciences & Management Courses



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

Scheme of Teaching and Examination

Scheme for B.Tech Third Semester (Computer Science and Engineering (Artificial Intelligence -3127))

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	Probability and Statistics	3127C01BT014	PCC	3	1	-	100	20	20	140	4	1	60
2	Computer Science Engineering	Analysis & Design of Algorithm	3127C02BT022	PCC	3	1	-	100	20	20	140	4	1	45
3	Computer Science Engineering	Computer Organization and Architecture	3127C03BT022	PCC	3	-	-	100	20	20	140	3	1	45
4	Computer Science Engineering	Database Management System	3127C04CT022	SBS-PCC	3	-	-	100	20	20	140	3	1	45
5	Computer Science Engineering	Introduction to Java	3127C05CT022	SBS-PCC	3	-	-	100	20	20	140	3	1	45
6	Humanities	Indian Traditional Knowledge: Science & Practices	3127C06ET046	IKS	2	-	-	50	10	10	70	2	1	30
7	Computer Science Engineering	Analysis & Design of Algorithms Lab	3127C07BL022	PCC	-	-	2	40	-	20	60	2	1	30
8	Computer Science Engineering	Database Management System Lab	3127C01CL022	SBS-PCC	-	-	4	40	-	20	60	2	1	60
9	Computer Science Engineering	Independent Project Lab	3127C02CL022	SBS-PCC	-	-	2	40	-	20	60	2	1	30
10	Computer Science Engineering	Idea Innovation Lab	3127C03FL022	VAC	-	-	2	-	-	30	30	-	-	30
11	Humanities	Personality Development	3127C04DL046	MNC AU	-	-	2	-	-	20	20	-	-	30
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