



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

## Scheme of Teaching and Examination

### B.Tech Honors Computer Science and Engineering (Data Science) First Semester (3128) (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
<b>Total</b>					<b>19</b>	<b>2</b>	<b>10</b>	<b>680</b>	<b>120</b>	<b>200</b>	<b>1000</b>	<b>23</b>	<b>135</b>	<b>465</b>
<b>Total Learning Hours/Semester</b>												<b>600</b>		

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

Note: Abbreviations of Course category

**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**



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### B.Tech Honors Computer Science and Engineering (Data Science) Second Semester (3128) (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.	Computer Sciences 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	-	-	-	-	-	-	-	-
<b>Total</b>					<b>18</b>	<b>2</b>	<b>10</b>	<b>660</b>	<b>100</b>	<b>240</b>	<b>1000</b>	<b>23</b>	<b>135</b>	<b>435</b>
<b>Total Learning Hours/semester</b>												<b>600</b>		

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