



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Electronics & Telecommunication/Instrumentation/Computer Science & Engineering/Information Technology (Group-II)

### Semester-I

#### Scheme of Studies :

Session-2020

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Humanities	2000171(046)	Communication Skills-I	2	-	1	3
2	Applied Science	2000172(014)	Applied Maths-I	2	-	1	3
3	Applied Science	2000174(015)	Applied Physics	2	-	1	3
4	Applied Science	2000178(011)	Applied Chemistry	2	-	1	3
5	Computer Science and Engineering	2000176(022)	Computer Fundamentals & Applications	2	-	0	2
6	Applied Science	2000190(015)	Applied Physics (Lab)	-	2	-	1
7	Applied Science	2000191(011)	Applied Chemistry (Lab)	-	2	-	1
8	Computer Science and Engineering	2000193(022)	Computer Fundamentals & Applications (Lab)	-	4	-	2
9	Electronics & Telecommunication Engineering	2000194(028)	Electronics Work Shop Practice	-	2	-	1
10	Humanities	2000193(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	2	-	1
11	-	-	Library	-	2	-	-
12	-	-	Co-curricular & Academic Activity Societies	-	2	-	-
<b>Total</b>				<b>10</b>	<b>16</b>	<b>04</b>	<b>20</b>

L - Lecture, T - Tutorial, P – Practical

#### Legend:

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others.)

Practical (P)→ LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL)

**Note:** Leftover periods/week shall be utilized for Self Learning (SL) purpose.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Electronics & Telecommunication/Instrumentation/Computer Science & Engineering/Information Technology (Group-II)

### Semester-I

Session-2020

#### Scheme of Examination:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Humanities	2000171(046)	Communication Skills-I	70	20	30	-	-	120
2	Applied Science	2000172(014)	Applied Maths-I	70	20	30	-	-	120
3	Applied Science	2000174(015)	Applied Physics	70	20	30	-	-	120
4	Applied Science	2000178(011)	Applied Chemistry	70	20	30	-	-	120
5	Computer Science and Engineering	2000176(022)	Computer Fundamentals & Applications	70	20	30	-	-	120
6	Applied Science	2000190(015)	Applied Physics (Lab)	-	-	-	30	50	80
7	Applied Science	2000191(011)	Applied Chemistry (Lab)	-	-	-	30	50	80
8	Computer Science and Engineering	2000193(022)	Computer Fundamentals & Applications (Lab)	-	-	-	30	50	80
9	Electronics & Telecommunication Engineering	2000194(028)	Electronics Work Shop Practice	-	-	-	30	70	100
10	Humanities	2000193(046)	Seminar & Technical Presentation (Listening, Reading & Speaking) Skills	-	-	-	-	60	60
<b>Total</b>				<b>350</b>	<b>100</b>	<b>150</b>	<b>120</b>	<b>280</b>	<b>1000</b>

ESE: End of Semester Exam, CT: Class Test, TA: Teachers Assessment

**Legend:** PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
  - 85% attendance is essential in theory & Practical classes to appear in examination.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Electronics & Telecommunication/Instrumentation/Computer Science & Engineering/Information Technology (Group-II)

### Semester-II

#### Scheme of Studies:

Session-2020

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	Humanities	2000271(046)	Communication Skills-II	2	-	1	3
2	Applied Science	2000272(014)	Applied Maths-II	2	-	1	3
3	Civil Engineering	2000273(020)	Environmental Engineering & Sustainable Development	2	-	1	3
4	Computer Science and Engineering	2022274(022)	Programming in 'C'	2	-	1	3
5	Electronics & Telecommunication Engineering	2028275(028)	Basic Electronics Engineering	2	-	1	3
6	Computer Science and Engineering	2022290(022)	Programming in 'C' (Lab)	-	4	-	2
7	Electronics & Telecommunication Engineering	2028291(028)	Basic Electronics Engineering (Lab)	-	4	-	2
8	Humanities	2000292(046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	2	-	1
9	-	-	Library	-	2	-	-
10	-	-	Co-curricular & Academic Activity Societies	-	2	-	-
<b>Total</b>				<b>10</b>	<b>14</b>	<b>05</b>	<b>20</b>

L - Lecture, T - Tutorial, P – Practical

#### Legend:

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**Note:** Leftover periods/week shall be utilized for Self Learning (SL) purpose.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Electronics & Telecommunication/Instrumentation/Computer Science & Engineering/Information Technology (Group-II)

### Semester-II

Scheme of Examinations:

Session-2020

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	Humanities	2000271(046)	Communication Skills-II	70	20	30	-	-	120
2	Applied Science	2000272(014)	Applied Maths-II	70	20	30	-	-	120
3	Civil Engineering	2000273(020)	Environmental Engineering & Sustainable Development	70	50	30	-	-	150
4	Computer Science and Engineering	2022274(022)	Programming in 'C'	70	50	50	-	-	170
5	Electronics & Telecommunication Engineering	2028275(028)	Basic Electronics Engineering	70	50	50	-	-	170
6	Computer Science and Engineering	2022290(022)	Programming in 'C' (Lab)	-	-	-	30	70	100
7	Electronics & Telecommunication Engineering	2028291(028)	Basic Electronics Engineering (Lab)	-	-	-	30	70	100
8	Humanities	2000292(046)	Seminar & Technical Presentation (Personality Development & Leadership) Skills	-	-	-	-	70	70
<b>Total</b>				<b>350</b>	<b>190</b>	<b>190</b>	<b>60</b>	<b>210</b>	<b>1000</b>

ESE: End of Semester Exam, CT: Class Test, TA: Teachers Assessment

**Legend:** PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
  - 85% attendance is essential in theory & Practical classes to appear in examination.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - III

Scheme of Studies:

Session-2020

S. No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	CSE	2022371(022)	Operating System with Linux	3	0	0	3
2	IT	2033372(033)	Static Web Programming	2	0	0	2
3	CSE	2022373(022)	Data Structure	3	0	0	3
4	IT	2033374(033)	System Analysis & Design	3	0	0	3
5	Electronics and Telecommunication	2033375(028)	Digital Electronics	2	0	1	3
6	CSE	2022361(022)	Operating System with Linux (Lab)	0	4	0	2
7	IT	2033362(033)	Static Web Programming (Lab)	0	2	0	1
8	CSE	2022363(022)	Data Structure (Lab)	0	4	0	2
9	Electronics and Telecommunication	2033364(028)	Digital Electronics (Lab)	0	2	0	1
10	Humanities	2000365(046)	NSS / SPORTS / YOGA / TECHNICAL PRESENTATION/ LIBRARYACTIVITIES	AS PER CSVTU MINUTES 09 HOURS ARE ALLOCATED TO MENTIONED ACITIVITES			
<b>Total</b>				<b>13</b>	<b>12</b>	<b>1</b>	<b>20</b>

L - Lecture, T - Tutorial, P - Practical

**Legend:-** Lecture (L) --> CI : Classroom Instruction (Includes different instructional strategies i.e. Lecture and others).

Practical (P) --> LI : Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies.

Tutorial (T) --> SL : Self Learning.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - III

Scheme of Examination:

Session-2020

S. No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	CSE	2022371(022)	Operating System with Linux	70	30	30	0	0	130
2	IT	2033372(033)	Static Web Programming	70	30	30	0	0	130
3	CSE	2022373(022)	Data Structure	70	30	30	0	0	130
4	IT	2033374(033)	System Analysis & Design	70	30	30	0	0	130
5	Electronics and Telecommunication	2033375(028)	Digital Electronics	70	30	30	0	0	130
6	CSE	2022361(022)	Operating System with Linux (Lab)	0	0	0	30	50	80
7	IT	2033362(033)	Static Web Programming (Lab)	0	0	0	30	50	80
8	CSE	2022363(022)	Data Structure (Lab)	0	0	0	30	50	80
9	Electronics and Telecommunication	2033364(028)	Digital Electronics (Lab)	0	0	0	30	50	80
10	Humanities	2000365(046)	Technical Presentation	0	0	0	0	30	30
Total				350	150	150	120	230	1000

ESE : End of Semester Exam, CT: Class Test, TA: Teachers Assessment

Legend :- PRA :Process Assessment, PDA : Product Assessment.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - IV

#### Scheme of Studies:

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	IT	2033471(033)	Object Oriented Programming using Java	3	0	0	3
2	IT	2033472(033)	Computer Network	3	0	0	3
3	IT	2033473(033)	Computer Architecture and Maintenance	2	0	0	2
4	CSE	2022474(022)	Database Management System	3	0	0	3
5	Mechanical	2000475(037)	Entrepreneurship Development & Management	2	0	1	3
6	IT	2033461(033)	Object Oriented Programming using Java (Lab)	0	2	0	1
7	IT	2033462(033)	Computer Network (Lab)	0	4	0	2
8	IT	2033463(033)	Computer Architecture and Maintenance (Lab)	0	4	0	2
9	CSE	2023464(022)	Database Management System (Lab)	0	2	0	1
10	Humanities	2000465(022)	NCC / SPORTS / LIBRARY / HEALTH / TECHNICAL PRESENTATION ACTIVITIES	AS PER CSVTU MINUTES 08 HOURS ARE ALLOCATED TO MENTIONED ACITIVITES			
<b>Total</b>				<b>13</b>	<b>12</b>	<b>1</b>	<b>20</b>

L - Lecture,

T - Tutorial,

P - Practical

#### Legend:-

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Practical (P) --> LI : Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies.

Tutorial (T) --> SL : Self Learning.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - IV

#### Scheme of Examination:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	IT	2033471(033)	Object Oriented Programming using Java	70	30	30	0	0	130
2	IT	2033472(033)	Computer Network	70	30	30	0	0	130
3	IT	2033473(033)	Computer Architecture and Maintenance	70	30	30	0	0	130
4	CSE	2022474(022)	Database Management System	70	30	30	0	0	130
5	Mechanical	2000475(037)	Entrepreneurship Development & Management	70	20	30	0	0	120
6	IT	2033461(033)	Object Oriented Programming using Java (Lab)	0	0	0	30	50	80
7	IT	2033462(033)	Computer Network (Lab)	0	0	0	30	50	80
8	IT	2033463(033)	Computer Architecture and Maintenance (Lab)	0	0	0	30	50	80
9	CSE	2023464(022)	Database Management System (Lab)	0	0	0	30	50	80
10	Humanities	2000465(022)	TECHNICAL PRESENTATION	0	0	0	0	40	40
<b>Total</b>				<b>350</b>	<b>140</b>	<b>150</b>	<b>120</b>	<b>240</b>	<b>1000</b>

ESE : End of Semester Exam, CT: Class Test, TA: Teachers Assessment

**Legend :-** PRA :Process Assessment, PDA : Product Assessment.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - V

#### Scheme of Studies:

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	IT	2033571(033)	Emerging Trends and Technology	2	0	1	3
2	ET&T	2033572(028)	Principal of Communication	2	0	1	3
3	IT	2033573(033)	Network Mangament	2	0	1	3
4	CSE	2022574(022)	Web Application Development	2	0	1	3
5	IT	2033575(033)	Management Information System	2	0	1	3
6	IT	2033561(033)	Network Mangament (Lab)	0	2	0	1
7	ET&T	2033562(028)	Principal of Communication (Lab)	0	2	0	1
8	CSE	2022563(022)	Web Application Development (Lab)	0	4	0	2
9	IT	2033564(033)	Industrial Training	0	2	0	1
10	Humanities	2033565(046)	NCC / SPORTS / LIBRARY / HEALTH / TECHNICAL PRESENTATION ACTIVITIES	AS PER CSVTU MINUTES REST OF THE HOURS ARE ALLOCATED TO MENTIONED ACITIVITES			
<b>Total</b>				<b>10</b>	<b>10</b>	<b>5</b>	<b>20</b>

L - Lecture,

T - Tutorial,

P - Practical,

**Legend:** Lecture (L) --> CI : Classroom Instruction (Includes different instructional strategies i.e. Lecture and others).

Practical (P) --> LI : Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies.

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# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - V

#### Scheme of Examination:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	IT	2033571(033)	Emerging Trends and Technology	70	30	30	0	0	130
2	ET&T	2033572(028)	Principal of Communication	70	30	30	0	0	130
3	IT	2033573(033)	Network Mangament	70	30	30	0	0	130
4	CSE	2022574(022)	Web Application Development	70	30	30	0	0	130
5	IT	2033575(033)	Management Information System	70	30	30	0	0	130
6	IT	2033561(033)	Network Mangament (Lab)	0	0	0	30	50	80
7	ET&T	2033562(028)	Principal of Communication (Lab)	0	0	0	30	50	80
8	CSE	2022563(022)	Web Application Development (Lab)	0	0	0	30	50	80
9	IT	2033564(033)	Industrial Training	0	0	0	30	50	80
10	Humanities	2033565(046)	NCC / SPORTS / LIBRARY / HEALTH / <b>TECHNICAL PRESENTATION</b> ACTIVITIES	0	0	0	0	30	30
<b>Total</b>				<b>350</b>	<b>150</b>	<b>150</b>	<b>120</b>	<b>230</b>	<b>1000</b>

**ESE** : End of Semester Exam,      **CT**: Class Test,      **TA**: Teachers Assessment

**Legend** : **PRA** : Process Assessment,   **PDA** : Product Assessment.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - VI

#### Scheme of Studies:

S.No	Board of Study	Course Code	Course Titles	Scheme of Studies (Hours/Week)			
				L	P	T	Credit L+T+(P/2)
1	IT	2033671(033)	Multimedia Technology	3	0	1	4
2	CSE	2022672(022)	Cloud Computing	2	0	1	3
3	IT	2033673(033)	Cyber Security and Software Piracy	2	0	1	3
4	CSE	2022674(022)	Mobile Application Development	2	0	1	3
5	IT	2033661(033)	Cyber Security and Software Piracy (Lab)	0	2	0	1
6	CSE	2033662(022)	Cloud Computing (Lab)	0	2	0	1
7	CSE	2033663(022)	Mobile Application Development (Lab)	0	2	0	1
8	IT	2033664(033)	Major Project	0	4	0	2
9	IT	2033665(033)	Multimedia Technology (Lab)	0	4	0	2
10	Humanities	2033666(046)	NCC / SPORTS / LIBRARY / HEALTH / TECHNICAL PRESENTATION ACTIVITIES	AS PER CSVTU MINUTES REST OF THE HOURS ARE ALLOCATED TO MENTIONED ACITIVITES			
<b>Total</b>				<b>9</b>	<b>14</b>	<b>4</b>	<b>20</b>

L - Lecture,

T - Tutorial,

P - Practical

Lecture (L)--> CI : Classroom Instruction (Includes different instructional strategies i.e. Lecture and others).

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Tutorial (T)--> SL : Self Learning.

# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Information Technology

### Semester - VI

#### Scheme of Examination:

S.No	Board of Study	Course Code	Course Titles	Scheme of Examination					
				Theory			Practical		Total Marks
				ESE	CT	TA	ESE	TA	
1	IT	2033671(033)	Multimedia Technology	70	30	30	0	0	130
2	CSE	2022672(022)	Cloud Computing	70	30	30	0	0	130
3	IT	2033673(033)	Cyber Security and Software Piracy	70	30	30	0	0	130
4	CSE	2022674(022)	Mobile Application Development	70	30	30	0	0	130
5	IT	2033661(033)	Cyber Security and Software Piracy (Lab)	0	0	0	30	50	80
6	CSE	2033662(022)	Cloud Computing (Lab)	0	0	0	30	50	80
7	CSE	2033663(022)	Mobile Application Development (Lab)	0	0	0	30	50	80
8	IT	2033664(033)	Major Project	0	0	0	80	50	130
9	IT	2033665(033)	Multimedia Technology (Lab)	0	0	0	30	50	80
10	Humanities	2033666(046)	NCC / SPORTS / LIBRARY / HEALTH / TECHNICAL PRESENTATION ACTIVITIES	0	0	0	0	30	30
<b>Total</b>				<b>280</b>	<b>120</b>	<b>120</b>	<b>200</b>	<b>280</b>	<b>1000</b>

**ESE** : End of Semester Exam,

**CT**: Class Test,

**TA**: Teachers Assessment

**Legend** :- PRA :Process Assessment, PDA : Product Assessment.