

## Teaching and Evaluation Scheme Second Year B. Tech. (Computer Engineering)

Sr. No.	Code	Course title	Weekly Teaching hours			Evaluation Scheme			Credit
			L	T	P	MSE	CA	ESE	
<b>Semester III</b>									
1	BTBSC301	Engineering Mathematics -III	3	1	-	20	20	60	4
2	BTCOC302	Discrete Mathematics	2	1	-	20	20	60	3
3	BTCOC303	Data Structures	2	1	-	20	20	60	3
4	BTCOC304	Computer Architecture & Organization	2	1	-	20	20	60	3
5	BTCOC305	Digital Electronics & Microprocessors	2	1	-	20	20	60	3
6	BTHMC306	Basic Human Rights	2	-	-	-	50	-	Audit
7	BTCOL307	Python Programming	1	-	2	-	60	40	2
8	BTCOL308	HTML and Javascript	1	-	2	-	60	40	2
8	BTCOL309	Data Structures Lab	-	-	2	-	60	40	1
9	BTCOL310	Digital Electronics & Microprocessor Lab	-	-	2	-	60	40	1
✓ 10	BTCOF311	Field Training / Internship/Industrial Training Evaluations	-	-	-	-	-	100	1
<b>Total</b>			<b>15</b>	<b>5</b>	<b>8</b>	<b>100</b>	<b>390</b>	<b>560</b>	<b>23</b>
<b>Semester IV</b>									
1	BTCOC401	Design & Analysis of Algorithms	2	1	-	20	20	60	3
2	BTCOC402	Probability & Statistics	2	1	-	20	20	60	3
3	BTCOC403	Operating System	2	1	-	20	20	60	3
4	BTCOE404	<b>Elective-I</b> A) Object Oriented Programming in C++ B) Object Oriented Programming in Java	2	1	-	20	20	60	3
5	BTCOE405	<b>Elective-II</b> A) Numerical Methods B) Physics of Engineering Materials C) Soft Skills and Personality Development	2	1	-	20	20	60	3
6	BTXXC406	Product Design Engineering	2	-	-	20	20	60	2
7	BTCOL407	Design & Analysis of Algorithms Lab	-	-	2	-	60	40	1
8	BTCOL408	Introduction to Data Science with R	1	-	2	-	60	40	2
9	BTCOL409	Object Oriented Programming Lab	-	-	2	-	60	40	1
10	BTCOL410	Operating System Lab	-	-	2	-	60	40	1
11	BTCOF411	Field Training / Internship/Industrial Training (minimum 4 weeks which can be completed partially in first semester and second Semester or in at one time.)						100	Credits to be evaluated at in V Sem.
<b>Total</b>			<b>13</b>	<b>5</b>	<b>8</b>	<b>120</b>	<b>360</b>	<b>620</b>	<b>22</b>

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**Board of Studies in Computer Science and Engineering**  
**Curriculum structure of TE CSE/IT**  
**PART-I**

Sub Code	Semester-I	Contact Hrs/Week				Examination Scheme						Duration of The Theory Examination
	Subject	L	T	P	Total	CT	TH	TW	PR	Total	credits	
CSE301	Operating Systems	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE302	Theory of Computation	4	--	--	4	20	80	--	--	100	4	3.Hrs
CSE303	Database Management Systems	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE304	Programming in JAVA	4	--	--	4	20	80	--	--	100	4	3Hrs
CSE341	Elective -I	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE342												
CSE343												
CSE321	Lab 1: Database Management Systems	--	--	2	2	--	--	--	50	50	1	
CSE322	Lab 2: Programming in JAVA	--	--	2	2	--	--	--	50	50	1	
CSE323	Lab 3: Elective -I	--	--	2	2	--	--	50	--	50	1	
CSE324												
CSE325												
CSE326	Lab 4: Software Development Lab-I (ASP.NET using C#)	--	--	2	2	--	--	--	50	50	1	
BSH305	Communication Skills-II	2	--	--	2	--	--	50	--	50	2	
	<b>Total</b>	<b>22</b>	<b>--</b>	<b>8</b>	<b>30</b>	<b>100</b>	<b>400</b>	<b>100</b>	<b>150</b>	<b>750</b>	<b>26</b>	

**PART - II**

Sub Code	Semester-II	Contact Hrs/Week				Examination Scheme					Credits	Duration of The Theory Examination
	Subject	L	T	P	Total	CT	TH	TW	PR	Total		
CSE351	Advanced JAVA	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE352	Software Engineering	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE353	Design and Analysis of Algorithms	4	--	--	4	20	80	--	--	100	4	3 Hrs
ITD354	Ebusiness Systems (For IT)	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE354	Systems Programming (For CSE)											
CSE391 CSE392 CSE393	Elective-II	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE371	Lab 5: Advanced JAVA	--	--	2	2	--	--	--	50	50	1	
CSE372	Lab 6: Software Testing & Quality Analysis	--	--	2	2	--	--	50	--	50	1	
CSE373	Lab 7: Design and Analysis of Algorithms	--	--	2	2	--	--	--	50	50	1	
CSE374 CSE375 CSE376	Lab 8 Elective-II	--	--	2	2	--	--	50	--	50	1	
CSE377	Lab 9 SDL-II (Android)	--	--	4	4	--	--	--	50	50	2	
	<b>Total of Semester II</b>	<b>20</b>	<b>--</b>	<b>12</b>	<b>32</b>	<b>100</b>	<b>400</b>	<b>100</b>	<b>150</b>	<b>750</b>	<b>26</b>	
	<b>Total of Semester I &amp; II</b>	<b>42</b>		<b>20</b>	<b>62</b>	<b>200</b>	<b>800</b>	<b>200</b>	<b>300</b>	<b>1500</b>	<b>52</b>	

**Elective I & II:**

Code	Elective - I	Code	Elective - II
CSE341	Computer Network Architecture and Protocols	CSE391	Distributed Operating System
CSE342	Digital Image Processing	CSE392	Artificial Intelligence
CSE343	Embedded Systems	CSE393	Network Security

L: Lecture hours per week, T: Tutorial hours per week, P: Practical hours per week, CT: Class Test, TH: University Theory Examination, TW: Term Work, PR: Practical/Oral Examination

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Faculty of Engineering and Technology  
Board of Studies in Computer Science and Engineering  
Curriculum structure of T.E.(Computer Science and Engineering)

Sub Code	Semester-I		Contact Hrs/Week				Examination Scheme					
	Subject		L	T	P	Total	CT	TH	TW	PR	Total	Duration of The Theory Examination
CSE301	Operating System		4	--	--	4	20	80	--	--	100	3 Hrs
CSE302	Software Engineering		4	--	--	4	20	80	--	--	100	3 Hrs
CSE303	Database Management System		4	--	--	4	20	80	--	--	100	3 Hrs
CSE304	Programming in Java		4	--	--	4	20	80	--	--	100	3 Hrs
CSE305	Digital Image Processing		4	--	--	4	20	80	--	--	100	3 Hrs
CSE321	LAB-I Database Management System		--	--	2	2	--	--	--	50	50	
CSE322	LAB-II Programming in Java		--	--	2	2	--	--	--	50	50	
CSE323	LAB-III Digital Image Processing		--	--	2	2	--	--	50	--	50	
CSE324	LAB-IV Software Development Lab-I (Windows, Net Framework & C# programming)		2	--	2	4	--	--	--	50	50	
BSH331	Communication Skills-II		--	--	2	2	--	--	--	50	50	
	<b>Total</b>		<b>22</b>	<b>--</b>	<b>10</b>	<b>32</b>	<b>100</b>	<b>400</b>	<b>50</b>	<b>200</b>	<b>750</b>	

Sub Code	Semester-II		Contact Hrs/Week				Examination Scheme					
	Subject		L	T	P	Total	CT	TH	TW	PR	Total	Duration of The Theory Examination
CSE351	Advanced JAVA		4	--	--	4	20	80	--	--	100	3 Hrs
CSE352	Design & Analysis of Algorithms		4	--	--	4	20	80	--	--	100	3 Hrs
CSE353	Software Testing & Quality Assurance		4	--	--	4	20	80	--	--	100	3 Hrs
CSE354	Computer Networks- II		4	--	--	4	20	80	--	--	100	3 Hrs
CSE355	Theory of Computation		4	--	--	4	20	80	--	--	100	3 Hrs
CSE371	LAB-V Advanced JAVA		--	--	2	2	--	--	--	50	50	
CSE372	LAB-VI Design & Analysis of Algorithms		--	--	2	2	--	--	--	50	50	
CSE373	LAB-VII Software Testing & Quality Assurance		--	--	2	2	--	--	50	--	50	
CSE374	LAB-VIII Computer Networks- II		--	--	2	2	--	--	50	--	50	
CSE375	LAB-IX SDL-II (Mobile Application Development Lab)		2	--	2	4	--	--	--	50	50	
	<b>Total</b>		<b>22</b>	<b>--</b>	<b>10</b>	<b>32</b>	<b>100</b>	<b>400</b>	<b>100</b>	<b>150</b>	<b>750</b>	
	<b>Total of Semester I &amp; II</b>		<b>44</b>	<b>--</b>	<b>20</b>	<b>64</b>	<b>200</b>	<b>800</b>	<b>150</b>	<b>350</b>	<b>1500</b>	

L: Lecture hours per week    T: Tutorial hours per week

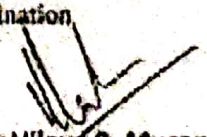
P: Practical hours per week

CT: Class Test

TH: University Theory Examination

TW: Term Work

PR: Practical/Oral Examination

  
Dr Vijaya B. Mysande  
Chairman Board of Studies  
Computer Science & Engineering

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Semester - VII

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC701	Software Engineering	3	-	-	20	20	60	3
2	BTCOE702	<b>Elective - VIII</b> (A) Big Data Analytics (B) Distributed System (C) Fundamental of Digital Image Processing	3	-	-	20	20	60	3
3	BTCOE703	<b>Elective - IX</b> (A) Cloud Computing (B) Business Intelligence (C) Natural Language Processing	3	-	-	20	20	60	3
4	BTCOE704	<b>Open Elective - X</b> (A) Blockchain Technology (B) Computer Graphics (C) Embedded Systems (D) Design Thinking	3	-	-	20	20	60	3
5	BTCOL705	Full Stack Development (LAMP / MEAN)	1	-	2	60	-	40	2
6	BTCOL706	System Administration	1	-	2	60	-	40	2
7	BTCOL707	Elective – VIII Lab	-	-	2	60	-	40	1
8	BTCOL708	Elective – IX Lab	-	-	2	60	-	40	1
9	BTCOP709	Project phase - I	-	-	2	60	-	40	1
10	BTCOF609	Field Training / Internship / Industrial Training	-	-	-	-	-	50	1
<b>TOTAL</b>			<b>14</b>	<b>-</b>	<b>10</b>	<b>380</b>	<b>80</b>	<b>490</b>	<b>20</b>

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Semester – VIII

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOE801	Elective – XI #	3	-	-	20	20	60	3
2	BTCOE802	Open Elective – XII #	3	-	-	20	20	60	3
3	BTCOE803	Project phase - II (In-house) <sup>s</sup> / Internship and project in the Industry	-	-	24	60	-	40	12
<b>TOTAL</b>			<b>6</b>	<b>-</b>	<b>24</b>	<b>100</b>	<b>40</b>	<b>160</b>	<b>18</b>

# These subjects are to be studied on self-study mode using SWAYAM/ NPTEL. The list of self-study online courses is given below.

**The list of self-study online courses**

BTCOE801: Elective – XI #	BTCOE802: Open Elective – XII #
(A) Deep Learning	(A) Introduction to Industry 4.0 and Industrial Internet of Things
(B) Social Networks	(B) Cryptography and Network Security ##
(C) Randomized Algorithms ##	(C) Model Checking

\* Six months of Internship and Project in the industry.

\$ This is for those students who are not doing Internship and project in the Industry, they can do project in the department.

## Digital contents should be developed by University for the subjects:

1. Randomized Algorithm
2. Cryptography and Network Security

**Faculty of Engineering and Technology**  
**Board of Studies in Computer Science and Engineering**  
**Curriculum structure of BE (Computer Science and Engineering)**  
**PART-I**

Sub Code	Part-I	Contact Hrs/Week				Examination Scheme						Duration of The Theory Examination
		L	T	P	Total	CT	TH	TW	PR	Total	credits	
CSE401	Data Warehousing and Data Mining	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE402	Principles of Compiler Design	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE403	Object Oriented Software Modeling & Design	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE404	Cloud Computing	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE441 CSE442 CSE443	Elective – IV	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE421	Lab 1: Data Warehousing and Data Mining	--	--	2	2	--	--	--	50	50	1	
CSE422	Lab 2: Principles of Compiler Design	--	--	2	2	--	--	--	50	50	1	
CSE423	Lab 3: Cloud Computing	--	--	2	2	--	--	--	50	50	1	
CSE424 CSE425 CSE426	Lab 4: Elective – IV	--	--	2	2	--	--	50	--	50	1	
CSE427	Project Part-I	--	--	4	4	--	--	25	--	25	2	
CSE428	Seminar	--	--	4	4	--	--	25	--	25	2	
<b>Total</b>		<b>20</b>	<b>--</b>	<b>16</b>	<b>36</b>	<b>100</b>	<b>400</b>	<b>100</b>	<b>150</b>	<b>750</b>	<b>28</b>	

**Elective –IV:**

Code	Subject (Elective – IV)
CSE441	Agile Methodology
CSE442	Remote Sensing & Geographical Information Systems
CSE443	Internet of Things

**L:** Lecture hours per week    **T:** Tutorial hours per week    **P:** Practical hours per week  
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Sub Code	Part-II	PART - II										Duration of The Theory Examination
	Subject	Contact Hrs/Week				Examination Scheme						
		L	T	P	Total	CT	TH	TW	PR	Total	Credits	
CSE451	Big Data Computing	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE452	Soft Computing	4	--	--	4	20	80	--	--	100	4	
CSE453	Machine Learning	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE491	Elective-V	4	--	--	4	20	80	--	--	100	4	3 Hrs
CSE492												
CSE493												
CSE494												
CSE471	Lab 5: Big Data Computing	--	--	2	2	--	--	--	50	50	1	
CSE472	Lab 6: Soft Computing	--	--	2	2	--	--	--	50	50	1	
CSE473	Lab 7: Machine Learning	--	--	2	2	--	--	--	50	50	1	
CSE474	Lab 8 (Elective-V)	--	--	2	2	--	--	50	--	50	1	
CSE475												
CSE476												
CSE477												
CSE478	Project Part - II	--	--	8	8	--	--	50	100	150	4	
	<b>Total</b>	<b>16</b>	<b>--</b>	<b>16</b>	<b>32</b>	<b>80</b>	<b>320</b>	<b>100</b>	<b>250</b>	<b>750</b>	<b>24</b>	
	<b>Total of Semester I &amp; II</b>	<b>36</b>	<b>--</b>	<b>32</b>	<b>68</b>	<b>180</b>	<b>720</b>	<b>200</b>	<b>400</b>	<b>1500</b>	<b>52</b>	

**Elective - V:**

Code	Subject (Elective - V)
CSE491	Information & Cyber Security
CSE492	ERP
CSE493	Game Architecture & Design
CSE494	Human Computer Interface

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Faculty of Engineering and Technology  
Board of Studies in Computer Science and Engineering  
Curriculum structure of B.E.(Computer Science and Engineering)

## PART - II

Sub Code	Semester-II	Contact Hrs/Week				Examination Scheme					
	Subject	L	T	P	Total	CT	TH	TW	PR	Total	Duration of The Theory Examination
CSE451	Computer System Security and Laws	4	--	--	4	20	80	--	--	100	3 Hrs
CSE452	Mobile Computing	4	--	--	4	20	80	--	--	100	3 Hrs
CSE453	Soft Computing	4	--	--	4	20	80	--	--	100	3 Hrs
	Elective -II	4	--	--	4	20	80	--	--	100	3 Hrs
CSE471	LAB-V Computer System Security and Laws	--	--	2	2	--	--	--	50	50	
CSE472	LAB-VI Mobile Computing	--	--	2	2	--	--	--	50	50	
CSE473	LAB-VII Soft Computing	--	--	2	2	--	--	--	50	50	
CSE474	LAB-VIII Elective - II	--	--	2	2	--	--	50	--	50	
CSE475	Project Part - II	--	--	6	6	--	--	50	100	150	
	Total	16	--	14	30	80	320	100	250	750	
	Total of Semester I & II	36	--	24	60	180	720	250	400	1500	

### Elective -II :

Code	Subject
CSE491	Remote Sensing & Geographical Information System
CSE492	Green IT
CSE493	Agile Methodology
CSE494	Open Elective

L: Lecture hours per week

T: Tutorial hours per week

P: Practical hours per week

CT: Class Test

TH: University Theory Examination

TW: Term Work

PR: Practical/Oral Examination

Dr. U.B. Shinde  
Dean, Faculty of Engineering and Technology  
Dr. BAMU.

Dr Vijaya B. Musande  
Chairman, Board of Studies  
Computer Science & Engineering, Dr. BAMU.

**Department of Computer Engineering**  
**Master of Technology (Computer Engineering)**

Sr No	Code	Course Name	Teaching Scheme				Examination Scheme			
			L	P	T	CR	IA	MSE	ESE	OR
<b>Semester I</b>										
1	MTCE1101	Computer Algorithms	3		1	4	20	20	60	100
2	MTCE1102	Machine Learning	3		1	4	20	20	60	100
3	MTCE1103	Advanced Computer Networks	3		1	4	20	20	60	100
4	MTCE1104	Elective I	3			3	20	20	60	100
5	MTCE1105	Elective II	3			3	20	20	60	100
6	MTCE1106	Communication Skill	2			2	25		25	50
✓7	MTCE1107	Software Lab I		4		2	25		25	50
		Total	17	4	3	22	150	100	300	600
<b>Semester II</b>										
1	MTCE1201	Data Science	3		1	4	20	20	60	100
2	MTCE1202	Software Architecture	3		1	4	20	20	60	100
3	MTCE1203	Elective III	3			3	20	20	60	100
4	MTCE1204	Elective IV	3			3	20	20	60	100
5	MTCE1205	Elective V	3			3	20	20	60	100
✓7	MTCE1207	Software Lab II		4		2	50		50	100
✓8	MT CE1208	Seminar I		4		2	50		50	100
		Total	15	8	2	21	200	100	300	700
<b>Semester III</b>										
1	MTCE2101	Project Management and Intellectual Property Rights (Self Study)				2	50		50	100
✓3	MTCE2103	Project- I				10	50		50	100
		Total				12	100		100	200
<b>Semester IV</b>										
✓1	MTCE2201	Project-II				20	100		100	200
		Total				20	100		100	200

**Faculty of Engineering and Technology**  
Tentative Structure for ME (COMPUTER SCIENCE AND INFORMATION TECHNOLOGY)

Sub	Semester - I	Contact Hrs/Week				Examination Scheme (Marks)						Credit
		L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination	
Part - I												
1	Information Theory and Coding	3	1	-	4	20	80	-	-	100	3 Hrs.	4
2	Advanced Operating System	3	1	-	4	20	80	-	-	100	3 Hrs.	4
3	Advanced Computer Networks	3	1	-	4	20	80	-	-	100	3 Hrs.	4
4	Advanced Data Mining	3	1	-	4	20	80	-	-	100	3 Hrs.	4
5	Elective - I	3	1	-	4	20	80	-	-	100	3 Hrs.	4
6	UNP Lab.	-	-	4	4	-	-	50	-	50	-	2
7	Data Mining Lab.	-	-	2	2	-	-	-	50	50	-	1
8	Seminar.	-	-	2	2	-	-	-	50	50	-	1
Total of Part - I		15	5	8	28	100	400	50	100	650		24

L: Lecture hours per week      T: Tutorial Hours per week      P: Practical hours per week  
 CT: Class Test      TH: University Theory Examination      TW: Termwork  
 P: Practical / Oral Examination

**Elective - I**

1. Advanced Digital Communication.
2. Information Retrieval.
3. System Simulation Modeling.

*Chase*

**Faculty of Engineering and Technology**  
Tentative Structure for ME (COMPUTER SCIENCE AND INFORMATION TECHNOLOGY)

Sub	Semester – II	Contact Hrs/Week				Examination Scheme (Marks)							Credit
		L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination		
Part – II													
1	Distributed Database.	3	1	-	4	20	80	-	-	100	3 Hrs.	4	
2	Information and Network Security.	3	1	-	4	20	80	-	-	100	3 Hrs.	4	
3	Advanced Compiler Design and Implementation.	3	1	-	4	20	80	-	-	100	3 Hrs.	4	
4	Soft Computing.	3	1	-	4	20	80	-	-	100	3 Hrs.	4	
5	Elective – II	3	1	-	4	20	80	-	-	100	3 Hrs.	4	
6	Soft Computing Lab.	-	-	4	4	-	-	50	-	50	-	2	
7	Compiler Design Lab.	-	-	2	2	-	-	-	50	50	-	1	
8	Mini Project.	-	-	2	2	-	-	-	50	50	-	1	
Total of Part – II		15	5	8	28	100	400	50	100	650	-	24	

L: Lecture hours per week

T: Tutorial Hours per week

P: Practical hours per week

CT: Class Test

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**Elective – II**

1. Advanced Algorithm.
2. Storage Area Networks.
3. Adhoc and Sensor Network.

**Faculty of Engineering and Technology**  
**Tentative Structure for ME (COMPUTER SCIENCE AND INFORMATION TECHNOLOGY)**

Sub	Semester – III	Contact Hrs/Week				Examination Scheme (Marks)						Credit
		L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination	
Part – III												
I	Dissertation (Part - I)	-	-	12	12	-	-	-	50	50	-	12
Total of Part – III				12	12				50	50		12

Sub	Semester – IV	Contact Hrs/Week				Examination Scheme (Marks)						Credit
		L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination	
Part – IV												
I	Dissertation (Part - II)	-	-	20	20	-	-	50	200	250	-	20
Total of Part – IV				20	20			50	200	250		20

L: Lecture hours per week

T: Tutorial Hours per week

P: Practical hours per week

CT: Class Test

TH: University Theory Examination TW: Termwork

P: Practical / Oral Examination

$$\begin{aligned} \text{Total:- SEM-I + SEM-II + SEM-III + SEM-IV} \\ = 24 + 24 + 12 + 20 \\ = 80 \end{aligned}$$

$$\begin{aligned} \text{Total Contact Hours} \\ \text{SEM-I + SEM-II + SEM-III + SEM-IV} \\ = 28 + 28 + 12 + 20 = 88 \end{aligned}$$

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	MSE	CA	ESE	
<b>Semester V</b>									
1	BTCOC501	Database Systems	3	1	-	20	20	60	4
2	BTCOC502	Theory of Computations	3	1	-	20	20	60	4
3	BTCOC503	Machine Learning	3	1	-	20	20	60	4
4	BTCOE504	<b>Elective-III</b> (A) Introduction to Research (B) Cyber Laws (C) <b>Open Elective offered by other departments</b>	2	-	-	20	20	60	2
5	BTCOE505	<b>Elective-IV</b> (A) Economics & Management (B) Business Communication	2	-	-	20	20	60	2
6	BTCOC506	Competitive Programming-I	1 <sup>st</sup>	-	2	-	60	40	2
7	BTCOL507	Database System Laboratory	-	-	2	-	60	40	1
8	BTCOL508	Machine Learning Laboratory	-	-	2	-	60	40	1
9	BTCOS509	Seminar	-	-	2	-	60	40	1
10	BTCOF411	Internship/Industrial Training	-	-	-	-	60	40	1
<b>TOTAL</b>			<b>14</b>	<b>3</b>	<b>8</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>22</b>

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	MSE	CA	ESE	
<b>Semester VI</b>									
1	BTCOC601	Compiler Design	3	1	-	20	20	60	4
2	BTCOC602	Computer Networks	3	1	-	20	20	60	4
3	BTCOE603	<b>Elective-V</b> (A) Human Computer Interaction (B) Artificial Intelligence (C) Object-Oriented Analysis Design	2	1	-	20	20	60	3
4	BTCOE604	<b>Elective-VI</b> (A) Geographic Information System (B) Biology (C) Internet of Things	2	-	-	20	20	60	2
5	BTCOE605	<b>Open Elective-VII</b> (A) Development Engineering (B) National Social Service (C) Consumer Behaviour	2	-	-	20	20	60	2
6	BTCOC606	Competitive Programming-II	1	-	2	-	60	40	2
7	BTCOL607	(A) Mobile Application Development	1	-	2	-	60	40	2
		(B) Internet of Things Laboratory							
8	BTCOL608	Computer Networks Laboratory	-	-	2	-	60	40	1
9	BTCOF609	Filed Training / Internship / Industrial Training (Credit to be evaluated in VII Sem.)	-	-	-	-	-	-	*
<b>TOTAL</b>			<b>14</b>	<b>3</b>	<b>6</b>	<b>100</b>	<b>280</b>	<b>420</b>	<b>20</b>