

# B.TECH (CSE-HONORS)

## Programme Structure

1 <sup>st</sup> semester							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>(4+4+1+3+3+1+1=17 credits)</b>							
1	CHY012C201	Chemistry	3	0	2	4	5
2	MAT012C102	Mathematics - I	3	1	0	4	4
3	CEN102A101	English I (Developing Oral Communication and Listening Skills )	1	0	0	1	1
4	CEE022C204	Engineering Graphics	1	0	4	3	5
5	MEE022C103	Workshop	1	0	4	3	5
6	EVS992A103	Environmental Sciences I	1	0	0	1	1
7	BHS992A105	Behavioral Science-I (Concepts of Behavioural Science)	1	0	0	1	1
2 <sup>nd</sup> semester							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>(4+4+4+4+1+1+1=19 credits)</b>							
1	PHY012C101	Physics	3	0	2	4	5
2	MAT012C202	Mathematics - II	3	1	0	4	4
3	ELE022C104	Basic Electrical Engineering	3	0	2	4	5
4	CSE022C103	Programming for problem solving	2	0	4	4	6
5	CEN102A201	English II (Conversation and Public Speaking)	1	0	0	1	1
6	EVS992A203	Environmental Sciences II	1	0	0	1	1
7	BHS992A205	Behavioral Science-II (Understanding Self and Others)	1	0	0	1	1
3 <sup>rd</sup> semester							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>(5+5+4+4+3+1=22 credits)</b>							
1	ECE022C301	Digital Logic & System Design	3	1	2	5	6
2	CSE022C302	Data Structure & Algorithms	3	1	2	5	6
3	MAT012C303	Mathematics-III	3	1	0	4	4
4	CSE022C304	Computer Organization and Architecture	3	1	0	4	4
5	CSE022C305	Graph Theory	3	0	0	3	3
6	CEN102A301	English- III (Career Oriented Communication)	1	0	1	1	2
4 <sup>th</sup> semester							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Subjects (5+5+4+4+2+3+1=24 credits)</b>							
1	CSE022C401	OOP using C++	3	0	4	5	7
2	CSE022C402	Database Management Systems	3	0	4	5	7
3	MAT012C403	Mathematics-IV (Discrete Mathematics)	3	1	0	4	4
4	CSE022C404	Finite Language & Automata	3	1	0	4	4
5	BSA032C406	Principles of Management	3	0	0	3	3
6	CEN102A401	English- IV(Communication and Presentation Skills)	1	0	0	1	1
7	CSE022C406	Problem Solving using JAVA	1	0	2	2	3
5 <sup>th</sup> semester							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Subjects (5+3+5++4+3+3+1+1+2=27 credits)</b>							

1	CSE022C501	Operating Systems	3	0	4	5	7
2	CSE022C502	Data Communication	3	0	0	3	3
3	CSE022C503	Principle of Programming Languages	3	0	4	5	7
4	CSE022G504	Other School Open Elective (Biology/ Open Source	3	0	0	3	3
5	BSA032C505	Organizational Behaviour	3	0	0	3	3
6	ILD992A506	Indian Constitution (ILD-I)	1	0	0	1	1
7	CEN102A501	Competitive English	1	0	0	1	1
8	CSE022D507	Hons. Elective-I	3	0	2	4	5
9	CSE022C538	Summer Training	0	0	0	2	0

**6<sup>th</sup> semester**

Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Subjects (4+4+3+4+3+3+1+1=26 credits)</b>							
1	CSE022C601	Computer Networks	3	0	2	4	5
2	CSE022C602	Design Analysis & Algorithms	3	0	2	4	5
3	CSE022D603	Elective -I (Data Mining)	3	0	0	3	3
4	CSE022G604	Other School Open Elective (Web Designing)	3	0	0	3	3
5	ECE022C605	Signals and Systems	3	0	0	3	3
6	COM042C606	Economics & Accountancy	3	0	0	3	3
7	ILD992A607	Essence of Indian Traditional Knowledge (ILD-II)	1	0	0	1	1
8	CEN102A601	English-VI	1	0	0	1	1
9	CSE022D608	Hons. Elective-II	3	0	2	4	5

**7th semester**

Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Subjects (4+4+3+4+3+2+4=24 credits)</b>							
1	CSE022C701	Compiler Design	3	0	2	4	5
2	CSE022D702	Elective-II (Web Technologies)	3	0	2	4	3
3	CSE022D703	Elective-III (Computer Security)	3	0	0	3	3
4	CSE022G704	IPR and Cyber Law (RSET OPEN)	3	0	0	3	3
5	CSE022C735	Summer Training	0	0	0	2	0
6	CSE022C726	Project Phase -I	0	0	8	4	8
7	CSE022D707	Hons. Elective-II	3	0	2	4	5

**8th semester**

Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Subjects (3+3+3+4+6+2=21 credits)</b>							
1	CSE022D801	Elective-IV (Artificial Intelligence)	3	0	0	3	3
2	CSE022D802	Elective-V (Natural Language Processing)	3	0	0	3	3
3	CSE022G803	Modeling and Simulation (RSET OPEN)	3	0	0	3	3
4	CSE022824	Project Phase -II	0	0	12	6	12
5	CSE022845	Grand Viva	0	0	0	2	0
6	CSE022D806	Hons. Elective-IV	3	0	2	4	5

SEMESTER	CREDITS
<b>I</b>	<b>17</b>
<b>II</b>	<b>19</b>
<b>III</b>	<b>22</b>
<b>IV</b>	<b>24</b>
<b>V</b>	<b>27</b>
<b>VI</b>	<b>26</b>

<b>VII</b>	<b>24</b>
<b>VIII</b>	<b>21</b>

**TOTAL CREDITS = 180**