STUDY AND EVALUATION SCHEME

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 1

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0101	Essentials of Information Technology	60	20	20	60	20	20	200	2	0	2	3
2	CSL0102	Programming in C	60	20	20	60	20	20	200	2	0	4	4
3	HUL0101	Communication Skills & Colloquium	60	20	20	60	20	20	200	2	0	2	3
4	PHL0101	Engineering Physics	60	20	20	60	20	20	200	3	0	2	4
5	MAL0101	Calculus for Engineers	60	20	20	-	-	-	100	3	1	0	4
6	MEL0101	Engineering Graphics	60	20	20	60	20	20	200	3	0	2	4
7	MCL0101	*Making of Modern India	60	20	20	-	-	-	100	2	0	0	2
8	NCC-0101	**NCC / ***MOOC	60	20	20	60	20	20	200	1	0	2	2
											Total Credits		24

*Non graded course

NCC is a choice-based subject. Credits will be added if the subject will be opted. * Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted. Credits are duration based.

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering   **Semester: 2**

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSP0201	Web Technology	-	-	-	60	20	20	100	0	0	4	2
2	CSL0202	Object Oriented Programming using Java	60	20	20	60	20	20	200	2	0	4	4
3	MAL0201	Statistics for Engineers	60	20	20	-	-	-	100	3	1	0	4
4	EEL0201	Basics of Electricals and Electronics Engineering	60	20	20	60	20	20	200	2	1	2	4
5	MEL0201	Engineering Mechanics	60	20	20	60	20	20	200	2	1	2	4
6	MCL0201	Environmental Science & Global Issues	60	20	20	60	20	20	200	3	0	2	4
7	NCC-0202	*NCC / **MOOC	60	20	20	60	20	20	200	1	0	2	2
												Total Credits	**22**

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Students will go for Industrial training.

STUDY AND EVALUATION SCHEME
(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 3

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0301	Operating System	60	20	20	-	-	-	100	4	0	0	4
2	CSL0302	Data Structures	60	20	20	60	20	20	200	3	0	4	5
3	CSL0303	Software Engineering	60	20	20	-	-	-	100	3	0	0	3
4	CSP0304	Python Programming	-	-	-	60	20	20	100	0	0	6	3
5	MAL0305	Discrete Structure and Matrices	60	20	20	-	-	-	100	3	1	0	4
6	ECL0305	Digital Electronics	60	20	20	60	20	20	200	2	0	2	3
7	CSD0301	**Seminar I	-	-	-	60	20	20	100	0	0	2	1
8	NCC-0303	*NCC / ***MOOC	60	20	20	60	20	20	200	1	0	2	2
											Total Credits		23

*NCC is a choice-based subject. Credits will be added if the subject will be opted.   *** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted. Credits are duration based.

** Evaluation of Industrial Training-I.

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 4

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0402	Data Communication and Computer Networks	60	20	20	60	20	20	200	2	1	2	4
2	CSL0403	Database Management System	60	20	20	60	20	20	200	3	0	2	4
3	CSL0404	Computer System Organization	60	20	20	-	-	-	100	3	1	0	4
4	CSP0406	Advance Java	-	-	-	60	20	20	100	0	0	4	2
5	MAL0409	Numerical Methods using Programming & Number Theory	60	20	20	60	20	20	200	2	1	2	4
6	HUL0401	Personality Development & Communication Skills	60	20	20	60	20	20	200	2	0	2	3
7	MCL0402	Universal Human Values	60	20	20	-	-	-	100	2	0	0	2
8	NCC-0404	*NCC / **MOOC	60	20	20	60	20	20	200	1	0	2	2
												Total Credits	**23**

*NCC is a choice-based subject. Credits will be added if the subject will be opted   ** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted. Credits are duration based.

Students will go for Industrial training.

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 5

.No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0501	Artificial Intelligence	60	20	20	60	20	20	200	3	0	2	4
2	CSL0502	Theory of Computation	60	20	20	-	-	-	100	3	1	0	4
3		Elective 1	60	20	20	60	20	20	200	3	0	2	4
4		Elective 2	60	20	20	60	20	20	200	3	0	2	4
5	CSL0503	Design and Analysis of Algorithm	60	20	20	60	20	20	200	3	0	2	4
6	CSD0502	***Seminar II	-	-	-	60	20	20	100	0	0	2	1
7	NCC-0505	*NCC / **MOOC	60	20	20	60	20	20	200	1	0	2	2
												Total Credits	**21**

*NCC is a choice-based subject. Credits will be added if the subject will be opted added if the subject will be opted. Credits are duration based.

** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be

*** Evaluation of Industrial Training-II.

Electives:

List of Elective – 1	CSE0511 Big Data	**CSE0512 Cryptography**	CSE0513 Blockchain Technology
List of Elective - 2	CSE0521 Introduction to Data Science	**CSE0522 Data Mining and Data Warehousing**	MAL0509 Linear Algebra

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 6

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0601	Internet of Things	60	20	20	-	-	-	100	3	1	0	4
2	CSL0602	Cloud Computing	60	20	20	-	-	-	100	4	0	0	4
3		Elective 3	60	20	20	-	-	-	100	3	1	0	4
4		Elective 4	60	20	20	60	20	20	200	2	0	4	4
5	HUL0602	Principles of Management and managerial economics	60	20	20	-	-	-	100	4	0	0	4
6	CSD0603	Minor Project - I	-	-	-	60	20	20	100	0	0	4	2
7	NCC-0606	*NCC / **MOOC	60	20	20	60	20	20	200	1	0	2	2
												Total Credits	22

*NCC is a choice-based subject. Credits will be added if the subject will be opted   ** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted. Credits are duration based.

Students will go for Industrial training.

Electives:

List of Elective – 3	**CSE0611 Compiler Design**	CSE0612 Quantum Computing	CSE0613 Digital Image Processing
List of Elective – 4	CSE0621 Essentials of Digital Forensics	**CSE0622 Data Analytics & Visualization**	CSE0623 Soft Computing

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 7

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0701	Machine learning	60	20	20	60	20	20	200	3	0	2	4
2		Elective 5	60	20	20	60	20	20	200	3	0	2	4
3		Elective 6	60	20	20	60	20	20	200	3	0	2	4
4	HUL0701	Organizational Behavior	60	20	20	-	-	-	100	3	0	0	3
5	CSD0702	*Seminar III	-	-	-	60	20	20	100	0	0	2	1
6	CSD0703	Major Project – I	-	-	-	60	20	20	100	0	0	6	3
												Total Credits	19

* Evaluation of Industrial Training-III.

List of Elective - 5	CSE0711 – Deep Learning	CSE0712 – Advance web Technology	**CSE0713 – Full Stack Development**
List of Elective – 6	**CSE0721 - Cyber Security Fundamentals** and Cyber Law	CSE0728 – Bioinformatics	CSE0726 – Augmented Reality

STUDY AND EVALUATION SCHEME

(SUBJECT WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Name of Course: B. Tech. in Computer Science & Engineering

Semester: 8

S. No.	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
			Theory Slot			Practical Slot			Total Marks	Period Per Week			
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CSL0801	Software Project Management	60	20	20	-	-	-	100	4	0	0	4
2	CSL0802	Seminar				60	20	20	100	0	0	10	5
3	CSD0804	Major Project - II	-	-	-	60	20	20	100	-	-	20	10
												Total Credits	19

Students can opt for MOOC courses from the list provided by the MOOC coordinator. Students can opt for MOOC courses once a year. Credits for the MOOC will be allotted based on the duration of the course. Credits will be –

Duration of MOOC courses	Credit Transfer
12 weeks	4
8 weeks	3
6 weeks	2
4 weeks	1