			B.Tech. 1st Year Course Structure : 2025-2026 – Odd Semester						
			Semester 1 (Group – A)						
Sl. No.	**Type of Course**	**Subject code**	**Subject name**	**L**	**T**	**P**	**S**	**Total Contact Hours**	**Credit Points**
			THEORY						
1	Basic Science Course	BSCPH101	Physics	3	1	0	0	4	4
2	Basic Science Course	BSCM103A	Mathematics - Calculus	3	1	0	0	4	4
3	Basic Science Course	BSCBE104	Biology for Engineers	2	1	0	0	3	3
4	Engineering Science Course	ESCEE101	Basic Electrical Engineering	3	1	0	0	4	4
5	Engineering Science Course	ESCME102A	Engineering Mechanics - Principles	1	1	0	0	2	2
6	Engineering Science Course	ESCCS101	Introduction to AI and Data Science using Python	2	1	0	0	3	3
7	Humanities and social sciences including	ESP101A	Essential Studies for Career Development - I	2	0	0	0	2	0.5
			PRACTICAL						
8	Basic Science Course	BSCPH191	Physics Laboratory	0	0	3	0	3	1.5
9	Engineering Science Course	ESCEE191	Basic Electrical Engineering Laboratory	0	0	2	0	2	1
10	Engineering Science Course	ESCME192	Engineering Graphics & Design	1	0	4	0	5	3
11	Engineering Science Course	ESCCS191	Introduction to AI and Data Science Laboratory using Python	0	0	4	0	4	2
			SESSIONAL						
12	Humanities and social sciences including	SDP181A	Competitive Aptitude Training - I	0	0	0	1	1	0.5
			Mandatory Industry and Value Added Courses (IVC)						
13	Mandatory Industry and Value Added Courses (IVC)	IVC181A	Design Thinking and Innovation - Ideation & Research	0	0	0	1	1	0
14	Mandatory Industry and Value Added Courses (IVC)	IVC182A	Economics and Business Models	0	0	0	1	1	0
15	Mandatory Co-curricular Courses	MCC181A	Co-Curricular Subjects	0	0	0	1	1	0
	Total Credit Points of Semester			**17**	**6**	**13**	**4**	**40**	**28.5**
	Co-curricular Subjects: 1. Foreign Language, 2. Physical Education, 3. Soft Skill								

**B.Tech. 1st Year Course Structure : 2025-2026 – Odd Semester**

**Semester 1 (Group – B)**

Sl. No.	Type of Course	Subject code	Subject name	L	T	P	S	Total Contact Hours	Credit Points
**THEORY**
1	Basic Science Course	BSCCH102	Chemistry	3	1	0	0	4	4
2	Basic Science Course	BSCM103B	Mathematics and Basic Statistics	3	1	0	0	4	4
3	Humanities and social sciences including Management	HSMC101	English	2	0	0	0	2	2
4	Engineering Science Course	ESCEC101	Basic Electronics Engineering	3	1	0	0	4	4
5	Engineering Science Course	ESCME102B	Engineering Mechanics - Essentials	1	1	0	0	2	2
6	Engineering Science Course	ESCCS102	Programming for Problem Solving using C	2	1	0	0	3	3
7	Humanities and social sciences including Management	ESP101B	Essential Studies for Professionals - I	1	0	0	0	1	0.5
**PRACTICAL**
8	Basic Science Course	BSCCH192	Chenistry Laboratory	0	0	3	0	3	1.5
9	Engineering Science Course	ESCEC191	Basic Electronics Engineering Laboratory	0	0	2	0	2	1
10	Engineering Science Course	ESCME193	Workshop/ Manufacturing Practices	1	0	4	0	5	3
11	Engineering Science Course	ESCCS192	Programming for Problem Solving Laboratory using C	0	0	4	0	4	2
12	Humanities and social sciences including Management	HSMC191	Language Laboratory	0	0	2	0	2	1
**SESSIONAL**
13	Humanities and social sciences including Management	SDP181B	Skill Development for Professionals - I	0	0	0	1	1	0.5
**Mandatory Industry and Value Added Courses (IVC)**
14	Mandatory Industry and Value Added Courses (IVC)	IVC181B	Design Thinking and Innovation - Creativity and IPR	0	0	0	1	1	0
15	Mandatory Industry and Value Added Courses (IVC)	IVC182B	Finance and Venture Design	0	0	0	1	1	0
16	Mandatory Co-curricular Courses	MCC181B	Co - Curricular Subjects	0	0	0	1	1	0
\multicolumn{4}{c}{**Total Credit Points of Semester**}	**16**	**5**	**15**	**4**	**40**	**28.5**
**Co-curricular Subjects: 1. Foreign Language, 2. Physical Education**