



GITAMW-R25 I YEAR B.TECH COURSE STRUCTURE AND SYLLABUS

(Applicable from the academic year 2025-26 onwards)

INDUCTION PROGRAMME (Common to All Branches)

S.No.	Course Name	Category	L-T-P-C
1	Physical Activities-- Sports, Yoga and Meditation, Plantation	MC	0-0-6-0
2	Career Counseling	MC	2-0-2-0
3	Orientation to all branches—career options, tools, etc.	MC	3-0-0-0
4	Orientation to all branches -- career options, tools, etc.	EC	2-0-3-0
5	Proficiency Modules & Productivity Tools	ES	2-1-2-0
6	Assessment on basic aptitude and mathematical skills	MC	2-0-3-0
7	Remedial Training in Foundation Courses	MC	2-1-2-0
8	Human Values & Professional Ethics	MC	3-0-0-0
9	Communication Skills -- focus on Listening, Speaking, Reading, Writing skills	BS	2-1-2-0
10	Concepts of Programming	ES	2-0-2-0

B.Tech I Year I Semester- EEE

S.No.	Category	Subject Code	Title	L	T	P	Credits
1	BS&H	25G52201T	Communicative English	2	0	0	2
2	BS&H	25G51202T	Chemistry	3	0	0	3
3	BS&H	25G54101	Linear Algebra & Calculus	3	0	0	3
4	Engineering Science	25G01201T	Basic Civil & Mechanical Engineering	3	0	0	3
5	Engineering Science	25G05101T	Introduction to Programming	3	0	0	3
6	BS&H	25G52201P	Communicative English Lab	0	0	2	1
7	BS&H	25G51202P	Chemistry Lab	0	0	2	1
8	Engineering Science	25G03201	Engineering Workshop	0	0	3	1.5
9	Engineering Science	25G05101P	Computer Programming Lab	0	0	3	1.5
10	BS&H	25G99201	Health and Wellness, Yoga and Sports	-	-	1	0.5
Total				14	00	11	19.5

B.Tech. I Year II Semester- EEE

S.No.	Category		Title	L/D	T	P	Credits
1	BS&H	25G56101T	Engineering Physics	3	0	0	3
2	BS&H	25G54201	Differential Equations & Vector Calculus	3	0	0	3
3	Engineering Science	25G02101T	Basic Electrical & Electronics Engineering	3	0	0	3
4	Engineering Science	25G03101T	Engineering Graphics	1	0	4	3
5	Engineering Science	25G05102	IT Workshop	0	0	2	1
6	Professional core	25G02201T	Electrical Circuit Analysis-I	3	0	0	3
7	BS&H	25G56101P	Engineering Physics lab	0	0	2	1
8	Engineering Science	25G02101P	Electrical & Electronics Engineering Workshop	0	0	3	1.5
9	Professional core	25G02201P	Electrical Circuit Analysis-I Lab	0	0	3	1.5
10	BS&H	25G99101	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
Total				13	00	15	20.5

B.Tech I Year I Semester- ECE

S. No.	Category	Subject Code	Title	L	T	P	Credits
1	BS&H	25G56101T	Engineering Physics	3	0	0	3
2	BS&H	25G54101	Linear Algebra & Calculus	3	0	0	3
3	Engineering Science	25G02101T	Basic Electrical & Electronics Engineering	3	0	0	3
4	Engineering Science	25G03101T	Engineering Graphics	1	0	4	3
5	Engineering Science	25G05101T	Introduction to Programming	3	0	0	3
6	Engineering Science	25G05102	IT Workshop	0	0	2	1
7	BS&H	25G56101P	Engineering Physics Lab	0	0	2	1
8	Engineering Science	25G02101P	Electrical & Electronics Engineering Workshop	0	0	3	1.5
9	Engineering Science	25G05101P	Computer Programming Lab	0	0	3	1.5
10	BS&H	25G99101	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
Total				13	00	15	20.5

B.Tech I Year II Semester- ECE

S. No.	Category	Subject Code	Title	L/D	T	P	Credits
1	BS&H	25G52201T	Communicative English	2	0	0	2
2	BS&H	25G51202T	Chemistry	3	0	0	3
3	Engineering Science	25G54201	Differential Equations & Vector Calculus	3	0	0	3
4	Engineering Science	25G01201T	Basic Civil & Mechanical Engineering	3	0	0	3
	Professional core	25G04201T	Network Analysis	3	0	0	3
5	BS&H	25G52201P	Communicative English Lab	0	0	2	1
7	BS&H	25G51202P	Chemistry Lab	0	0	2	1
8	Engineering Science	25G03201	Engineering Workshop	0	0	3	1.5
9	Professional core	25G04201P	Network Analysis And Simulation Laboratory	0	0	3	1.5
10	BS&H	25G99201	Health and Wellness, Yoga and Sports	-	-	1	0.5
Total				14	00	11	19.5

B.Tech I Year I Semester-CSE

S.No.	Category	Subject Code	Title	L	T	P	Credits
1	BS&H	25G52201T	Communicative English	2	0	0	2
2	BS&H	25G51202T	Chemistry	3	0	0	3
3	BS&H	25G54101	Linear Algebra & Calculus	3	0	0	3
4	Engineering Science	25G01201T	Basic Civil & Mechanical Engineering	3	0	0	3
5	Engineering Science	25G05101T	Introduction to Programming	3	0	0	3
6	BS&H	25G52201P	Communicative English Lab	0	0	2	1
7	BS&H	25G51202P	Chemistry Lab	0	0	2	1
8	Engineering Science	25G03201	Engineering workshop	0	0	3	1.5
9	Engineering Science	25G05101P	Computer Programming Lab	0	0	3	1.5
10	BS&H	25G99201	Health and Wellness, Yoga and Sports	-	-	1	0.5
Total				14	00	11	19.5

B.Tech.–I Year II Semester-CSE

S.No.	Category		Title	L/D	T	P	Credits
1	BS&H	25G56101T	Engineering Physics	3	0	0	3
2	BS&H	25G54201	Differential Equations & Vector Calculus	3	0	0	3
3	Engineering Science	25G02101T	Basic Electrical & Electronics Engineering	3	0	0	3
4	Engineering Science	25G03101T	Engineering Graphics	1	0	4	3
5	Engineering Science	25G05102	IT Workshop	0	0	2	1
6	Professional core	25G05201T	Data Structures	3	0	0	3
7	BS&H	25G56101P	Engineering Physics lab	0	0	2	1
8	Engineering Science	25G02101P	Electrical & Electronics Engineering Workshop	0	0	3	1.5
9	Professional core	25G05201P	Data Structures Lab	0	0	3	1.5
10	BS&H	25G99101	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
Total				13	00	15	20.5

B.Tech I Year I Semester-CSE(AI&ML)

S.No.	Category	Subject Code	Title	L	T	P	Credits
1	BS&H	25G56101T	Engineering Physics	3	0	0	3
2	BS&H	25G54101	Linear Algebra & Calculus	3	0	0	3
3	Engineering Science	25G02101T	Basic Electrical & Electronics Engineering	3	0	0	3
4	Engineering Science	25G03101T	Engineering Graphics	1	0	4	3
5	Engineering Science	25G05101T	Introduction to Programming	3	0	0	3
6	Engineering Science	25G05102	IT Workshop	0	0	2	1
7	BS&H	25G56101P	Engineering Physics Lab	0	0	2	1
8	Engineering Science	25G02101P	Electrical & Electronics Engineering Workshop	0	0	3	1.5
9	Engineering Science	25G05101P	Computer Programming Lab	0	0	3	1.5
10	BS&H	25G99101	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5
Total				13	00	15	20.5

B.Tech.–I Year II Semester- CSE(AI&ML)

S.No.	Category	Subject Code	Title	L/D	T	P	Credits
1	BS&H	25G52201T	Communicative English	2	0	0	2
2	BS&H	25G51202T	Chemistry	3	0	0	3
3	Engineering Science	25G54201	Differential Equations & Vector Calculus	3	0	0	3
4	Engineering Science	25G01201T	Basic Civil & Mechanical Engineering	3	0	0	3
	Professional core	25G05201T	Data Structures	3	0	0	3
5	BS&H	25G52201P	Communicative English Lab	0	0	2	1
7	BS&H	25G51202P	Chemistry Lab	0	0	2	1
8	Engineering Science	25G03201	Engineering workshop	0	0	3	1.5
9	Professional core	25G05201P	Data Structures Lab	0	0	3	1.5
10	BS&H	25G99201	Health and Wellness, Yoga and Sports	-	-	1	0.5
Total				14	00	11	19.5