



STUDY AND EVALUATION SCHEME (2024-2025)

SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program:BTech(Electronics_and_Communication)

Semester:1st

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0101[T]	Basic Electronics	60	20	20	0	0	0	100	2	1	0	3
2	ECL0102[T]	Principles of Sensors & IoT	60	20	20	0	0	0	100	2	1	0	3
3	HUL0101[T]	Communication Skills & Colloquium	60	20	20	0	0	0	100	3	0	0	3
4	MAL0101[T]	Calculus For Engineers	60	20	20	0	0	0	100	2	1	0	3
5	MEL0101[T]	Engineering Mechanics	60	20	20	0	0	0	100	2	1	0	3
6	ECL0101[P]	Basic Electronics	0	0	0	60	20	20	100	0	0	1	1
7	ECL0102[P]	Principles of Sensors & IoT	0	0	0	60	20	20	100	0	0	1	1
8	ECP0101[P]	Electronics Workshop Practice	0	0	0	60	20	20	100	0	0	2	2
9	HUL0101[P]	Communication Skills & Colloquium	0	0	0	60	20	20	100	0	0	1	1
10	MAL0101[P]	Calculus For Engineers	0	0	0	60	20	20	100	0	0	1	1
11	MEL0101[P]	Engineering Mechanics	0	0	0	60	20	20	100	0	0	1	1
Total Credits													22

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:2nd

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CSL0201[T]	Essentials of Information Technology	60	20	20	0	0	0	100	2	0	0	2
2	ECL0261[T]	Fundamentals of Arduino Programming	60	20	20	0	0	0	100	2	1	0	3
3	EEL0201[T]	Principles of Electrical Engineering	60	20	20	0	0	0	100	2	1	0	3
4	MAL0203[T]	Statistics for Engineers	60	20	20	0	0	0	100	2	1	0	3
5	MCL0201[T]	Environmental Pollution & Global Issues/ Swayam	60	20	20	0	0	0	100	3	1	0	4
6	MCL0202[T]	Making of Modern India	60	20	20	0	0	0	100	2	0	0	2
7	MEL0202[T]	Engineering Graphics	60	20	20	0	0	0	100	2	0	0	2
8	AUP0201 [P]	Indian Knowledge System	0	0	0	0	0	0	0	0	0	0	0
9	CSL0201[P]	Essentials of Information Technology	0	0	0	60	20	20	100	0	0	1	1
10	CSP0201[P]	Programming Logics	0	0	0	60	20	20	100	0	0	2	2
11	ECL0261[P]	Fundamentals of Arduino Programming	0	0	0	60	20	20	100	0	0	1	1
12	EEL0201[P]	Principles of Electrical Engineering	0	0	0	60	20	20	100	0	0	1	1
13	MAL0203[P]	Statistics for Engineers	0	0	0	60	20	20	100	0	0	1	1
14	MEL0202[P]	Engineering Graphics	0	0	0	60	20	20	100	0	0	1	1
Total Credits													26

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:3rd

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0303[T]	Semiconductor Devices	60	20	20	0	0	0	100	2	1	0	3
2	ECL0304[T]	Architecturing of Smart IoT Devices	60	20	20	0	0	0	100	3	0	0	3
3	ECL0306[T]	Digital Electronics	60	20	20	0	0	0	100	2	1	0	3
4	ECL0307[T]	Network Analysis & Synthesis	60	20	20	0	0	0	100	2	1	0	3
5	MAL0306[T]	Engineering Mathematics	60	20	20	0	0	0	100	3	1	0	4
6	CSP0303[P]	Computer Programming Lab (PYTHON)/ SWAYAM	0	0	0	60	20	20	100	0	0	2	2
7	ECD0301[P]	Evaluation of Industrial Training-I	0	0	0	60	20	20	100	0	0	2	2
8	ECL0303[P]	Semiconductor Devices	0	0	0	60	20	20	100	0	0	1	1
9	ECL0304[P]	Architecturing of Smart IoT Devices	0	0	0	60	20	20	100	0	0	1	1
10	ECL0306[P]	Digital Electronics	0	0	0	60	20	20	100	0	0	1	1
11	ECL0307[P]	Network Analysis & Synthesis	0	0	0	60	20	20	100	0	0	1	1
Total Credits													24

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:4th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	CSL0457[T]	Data Structure and Application	60	20	20	0	0	0	100	2	1	0	3
2	ECL0408[T]	Electronics Circuits & Linear ICs Applications	60	20	20	0	0	0	100	2	1	0	3
3	ECL0409[T]	Digital System Design	60	20	20	0	0	0	100	2	1	0	3
4	ECL0411[T]	Analog Communication	60	20	20	0	0	0	100	2	1	0	3
5	ECL0460[T]	Wireless Sensor Networks & IoT	60	20	20	0	0	0	100	2	1	0	3
6	AUP0401 [P]	Indian Knowledge System	0	0	0	0	0	0	0	0	0	0	0
7	CSL0457[P]	Data Structure and Application	0	0	0	60	20	20	100	0	0	1	1
8	CSP0405[P]	Computer Programming Lab (JAVA)/ SWAYAM	0	0	0	60	20	20	100	0	0	2	2
9	ECL0408[P]	Electronics Circuits & Linear ICs Applications	0	0	0	60	20	20	100	0	0	1	1
10	ECL0409[P]	Digital System Design	0	0	0	60	20	20	100	0	0	1	1
11	ECL0411[P]	Analog Communication	0	0	0	60	20	20	100	0	0	1	1
12	ECL0460[P]	Wireless Sensor Networks & IoT	0	0	0	60	20	20	100	0	0	1	1
Total Credits													22

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:5th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0512[T]	Electromagnetic Theory	60	20	20	0	0	0	100	3	1	0	4
2	ECL0513[T]	Digital Communication	60	20	20	0	0	0	100	2	1	0	3
3	ECL0514[T]	Control Systems/SWAYAM	60	20	20	0	0	0	100	3	1	0	4
4	ECL0515[T]	Advanced Microprocessors and Interfacing	60	20	20	0	0	0	100	2	1	0	3
5	ECL0519[T]	Digital Signal Processing	60	20	20	0	0	0	100	2	1	0	3
6	ECD0502[P]	Evaluation of Industrial Training-II	0	0	0	60	20	20	100	0	0	2	2
7	ECL0513[P]	Digital Communication	0	0	0	60	20	20	100	0	0	1	1
8	ECL0515[P]	Advanced Microprocessors and Interfacing	0	0	0	60	20	20	100	0	0	1	1
9	ECL0519 [P}	Digital Signal Processing	0	0	0	60	20	20	100	0	0	1	1
10	ECP0502[P]	Software Lab-I (Simulation of Communication Systems using Matlab)/SWAYAM	0	0	0	60	20	20	100	0	0	2	2
Total Credits													24

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:6th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0617[T]	Antenna & Wave Propagation	60	20	20	0	0	0	100	2	1	0	3
2	ECL0618[T]	Micro controller & Embedded System	60	20	20	0	0	0	100	2	1	0	3
3	ECL0621[T]	Cellular & Mobile communication	60	20	20	0	0	0	100	3	1	0	4
4	ECL0662[T]	Machine Learning/SWAYAM	60	20	20	0	0	0	100	2	1	0	3
5	AUP0601 [P]	Indian Knowledge System	0	0	0	0	0	0	0	0	0	0	0
6	ECD0603[P]	Mini Project	0	0	0	60	20	20	100	0	0	2	2
7	ECL0617[P]	Antenna & Wave Propagation	0	0	0	60	20	20	100	0	0	1	1
8	ECL0618[P]	Micro controller & Embedded System	0	0	0	60	20	20	100	0	0	1	1
9	ECL0662[P]	Machine Learning	0	0	0	60	20	20	100	0	0	1	1
10	ECP0603[P]	Software Lab-II	0	0	0	60	20	20	100	0	0	2	2
11		Elective1.	60	20	20	0	0	0	100	3	1	0	4
Total Credits													24

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:7th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0723[T]	Microwave Engineering	60	20	20	0	0	0	100	2	1	0	3
2	ECL0733[T]	VLSI Technology	60	20	20	0	0	0	100	3	1	0	4
3	ECD0704[P]	Major Project-I	0	0	0	60	20	20	100	0	0	2	2
4	ECL0723[P]	Microwave Engineering	0	0	0	60	20	20	100	0	0	1	1
5	ECP0704[P]	Evaluation of Industrial Training-III	0	0	0	60	20	20	100	0	0	2	2
6		Elective4.	60	20	20	0	0	0	100	3	1	0	4
7		Elective3.	60	20	20	0	0	0	100	3	1	0	4
8		Elective2.	60	20	20	0	0	0	100	3	0	0	3
Total Credits													23

*Newly Added Courses

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Programme:BTech(Electronics_and_Communication)

Semester:8th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL0825[T]	Optical Fiber Communication	60	20	20	0	0	0	100	2	1	0	3
2	ECL0826[T]	VLSI Design	60	20	20	0	0	0	100	2	1	0	3
3	AUP0801 [P]	Indian Knowledge System	0	0	0	0	0	0	0	0	0	0	0
4	ECD0805[P]	Major Project-II	0	0	0	60	20	20	100	0	0	8	8
5	ECL0825[P]	Optical Fiber Communication	0	0	0	60	20	20	100	0	0	1	1
6	ECL0826[P]	VLSI Design	0	0	0	60	20	20	100	0	0	1	1
7		Elective6.	60	20	20	0	0	0	100	3	1	0	4
8		Elective5.	60	20	20	0	0	0	100	3	1	0	4
Total Credits													24

*Newly Added Courses

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List of Elective Subjects

Course Code	Course Name	Subject Type	Semester
30665[T]	Micro Electro Mechanical System (MEMS)	Elective1	6th
30666[T]	Deep Learning	Elective1	6th
30667[T]	Computer Vision	Elective1	6th
30620[T]	Data Communication	Elective1.	6th
30701B [T]	Web Technologies	Elective2	7th
30701C[T]	Intellectual Property Rights	Elective2	7th
30701A[T]	Electric Vehicle Technology /SWAYAM	Elective2.	7th
30763 [T]	IoT Data Analytics	Elective3	7th
30752[T]	Wireless Ad hoc Networks	Elective3.	7th
30736 [T]	Nanoelectronics	Elective4	7th
30764[T]	Cloud Computing	Elective4.	7th
30829[T]	Industrial Electronics	Elective5	8th
30843[T]	Wireless Networks	Elective5.	8th
30840 [T]	Soft Computing	Elective6	8th
30839[T]	Digital Image & Video Processing	Elective6.	8th