



STUDY AND EVALUATION SCHEME (2020-2021)

SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program: BTech(Electrical Engineering)

Semester: 1st

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	ECL0101[T]	Basic Electronics	40	30	30	0	0	0	100	2	1	0	3
2	HUL0101[T]	Communication Skills & Colloquim	40	30	30	0	0	0	100	3	0	0	3
3	MAL0101[T]	Calculus For Engineers	40	30	30	0	0	0	100	2	1	0	3
4	MEL0101[T]	Engineering Mechanics	40	30	30	0	0	0	100	2	1	0	3
5	PHL0101	Engineering Physics	40	30	30	0	0	0	100	2	1	0	3
6	ECL0101[P]	Basic Electronics	0	0	0	40	30	30	100	0	0	1	1
7	EEP0101	Electrical workshop practice	0	0	0	40	30	30	100	0	0	2	2
8	HUL0101[P]	Communication Skills & Colloquim	0	0	0	40	30	30	100	0	0	1	1
9	MAL0101[P]	Calculus For Engineers	0	0	0	40	30	30	100	0	0	1	1
10	MEL0101[P]	Engineering Mechanics	0	0	0	40	30	30	100	0	0	1	1
11	PHL0101	Engineering Physics	0	0	0	40	30	30	100	0	0	1	1
Total Credits													22

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2020-2021)

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Programme: BTech(Electrical Engineering)

Semester: 2nd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			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	40	30	30	0	0	0	100	2	0	0	2
2	ECL0202	Principles of Sensors and IoT	40	30	30	0	0	0	100	2	1	0	3
3	EEL0201[T]	Principles of Electrical Engineering	40	30	30	0	0	0	100	2	1	0	3
4	ESL0201[T]	Environmental Science and Pollution Control	40	30	30	0	0	0	100	2	1	0	3
5	MAL0203[T]	Statistics For Engineers	40	30	30	0	0	0	100	2	1	0	3
6	MEL0202[T]	Engineering Graphics	40	30	30	0	0	0	100	2	1	0	3
7	CSL0201[P]	Essentials of Information Technology	0	0	0	40	30	30	100	0	0	1	1
8	CSP0201[P]	Programming Logics	0	0	0	40	30	30	100	0	0	2	2
9	ECL0202	Principles of Sensors and IoT	0	0	0	40	30	30	100	0	0	1	1
10	EEL0201[P]	Principles of Electrical Engineering	0	0	0	40	30	30	100	0	0	1	1
11	ESL0201	Environmental Science and Pollution Control	0	0	0	40	30	30	100	0	0	1	1
12	MAL0203[P]	Statistics For Engineers	0	0	0	40	30	30	100	0	0	1	1
13	MEL0202[P]	Engineering Graphics	0	0	0	40	30	30	100	0	0	1	1
Total Credits													25

Newly Added Courses



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(Electrical Engineering)

Semester: 3rd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	ECL0303[T]	Semiconductor Devices	40	30	30	0	0	0	100	2	1	0	3
2	ECL0304[T]	Architecture of Smart IoT devices	40	30	30	0	0	0	100	3	0	0	3
3	ECL0306[T]	Digital Electronics	40	30	30	0	0	0	100	2	1	0	3
4	ECL0307[T]	Network Analysis & Synthesis	40	30	30	0	0	0	100	2	1	0	3
5	MAL0306[T]	Engineering Mathematics	40	30	30	0	0	0	100	3	1	0	4
6	CSP0303[P]	Object Oriented Programming With Java	0	0	0	40	30	30	100	0	0	2	2
7	ECL0303[P]	Semiconductor Devices	0	0	0	40	30	30	100	0	0	1	1
8	ECL0304[P]	Architecture of Smart IoT devices	0	0	0	40	30	30	100	0	0	1	1
9	ECL0306[P]	Digital Electronics	0	0	0	40	30	30	100	0	0	1	1
10	ECL0307[P]	Network Analysis & Synthesis	0	0	0	40	30	30	100	0	0	1	1
11	EET0302[P]	Industrial Training-I	0	0	0	40	30	30	100	0	0	2	2
Total Credits													24

Newly Added Courses



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(Electrical Engineering)

Semester: 4th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	ECL0411[T]	Analog Communication	40	30	30	0	0	0	100	3	1	0	4
2	ECL0460[T]	Wireless sensor networks & IOT	40	30	30	0	0	0	100	2	1	0	3
3	EEL0405[T]	Electrical Machines-I	40	30	30	0	0	0	100	3	1	0	4
4	EEL0406[T]	Power System-I	40	30	30	0	0	0	100	3	1	0	4
5	EEL0430[T]	Electrical Instrumentation	40	30	30	0	0	0	100	3	1	0	4
6	CSP0405[P]	Computer Programming Lab (PYTHON)	0	0	0	40	30	30	100	0	0	1	1
7	ECL0411[P]	Analog Communication	0	0	0	40	30	30	100	0	0	1	1
8	ECL0460[P]	Wireless sensor networks & IOT	0	0	0	40	30	30	100	0	0	1	1
9	EEL0405[P]	Electrical Machines-I	0	0	0	40	30	30	100	0	0	1	1
10	EEL0430[P]	Electrical Instrumentation	0	0	0	40	30	30	100	0	0	1	1
Total Credits													24

Newly Added Courses



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(Electrical Engineering)

Semester: 5th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECL 0513[T]	Digital Communication	40	30	30	0	0	0	100	3	0	0	3
2	ECL0515[T]	Advanced Microprocessors & Interfacing	40	30	30	0	0	0	100	3	1	0	4
3	EEL0507[T]	Electrical Machine-II	40	30	30	0	0	0	100	3	1	0	4
4	EEL0508[T]	Power System -II	40	30	30	0	0	0	100	3	1	0	4
5	EEL 0510[T]	Electromagnetic Field Theory	40	30	30	0	0	0	100	3	1	0	4
6	ECL 0513[P]	Digital Communication	0	0	0	40	30	30	100	0	0	1	1
7	ECL0515[P]	Advanced Microprocessors & Interfacing	0	0	0	40	30	30	100	0	0	1	1
8	EEL0507[P]	Electrical Machine-II	0	0	0	40	30	30	100	0	0	1	1
9	EEP0502[P]	Electrical Engg. Simulation Lab I	0	0	0	40	30	30	100	0	0	2	2
Total Credits													24

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(Electrical Engineering)

Semester: 6th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	ECL0662	Machine Learning	40	30	30	0	0	0	100	3	1	0	4
2	EEL0612	Linear Control System	40	30	30	0	0	0	100	3	1	0	4
3	EEL0613	Power system-III	40	30	30	0	0	0	100	3	1	0	4
4	EEL0614	Power Electronics	40	30	30	0	0	0	100	3	1	0	4
5	EEL0615	High Voltage Engineering	40	30	30	0	0	0	100	3	0	0	3
6	EED0603	Mini Project	0	0	0	40	30	30	100	0	0	1	1
7	EEL0612	Linear Control System	0	0	0	40	30	30	100	0	0	1	1
8	EEL0613	Power system-III	0	0	0	40	30	30	100	0	0	1	1
9	EEL0614	Power Electronics	0	0	0	40	30	30	100	0	0	1	1
10	EEP0603	Electrical Engineering Simulation Lab-II	0	0	0	40	30	30	100	0	0	1	1
Total Credits													24

Newly Added Courses



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

rogramme:BTech(ElectricalEngineering)

Semester:7th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	ECE0764	Cloud Computing	40	30	30	40	30	30	200	3	1	0	4
2	EEL0718[T]	Electric drives	40	30	30	0	0	0	100	3	1	0	4
3	EEL0719[T]	Computer aided protection	40	30	30	0	0	0	100	3	1	0	4
4	EEL0720[T]	Special electrical machine & design	40	30	30	0	0	0	100	3	1	0	4
5	EED0702	Major project-I	0	0	0	40	30	30	100	0	0	2	2
6	EEL0718	Electric drives	0	0	0	40	30	30	100	0	0	1	1
7	EEL0719	Computer aided protection	0	0	0	40	30	30	100	0	0	1	1
8	EEL0720	Special electrical machine & design	0	0	0	40	30	30	100	0	0	1	1
9	EET0704	Industrial training-III	0	0	0	40	30	30	100	0	0	2	2
10		Elective2.	40	30	30	0	0	0	100	3	1	0	4
Total Credits													27

[Newly Added Courses](#)



STUDY AND EVALUATION SCHEME (2020-2021)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BTech(Electrical Engineering)

Semester: 8th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	EEL0821[T]	Advanced Electrical Drives	40	30	30	0	0	0	100	3	1	0	4
2	EEL0822[T]	Utilization of Electrical Power	40	30	30	0	0	0	100	3	1	0	4
3	EED0804	Major Project	0	0	0	40	30	30	100	0	0	4	4
4	EEL0821	Advanced Electrical Drives	0	0	0	40	30	30	100	0	0	1	1
5		Elective4.	40	30	30	0	0	0	100	3	1	0	4
6		Elective3.	40	30	30	0	0	0	100	3	1	0	4
Total Credits													21

[Newly Added Courses](#)



List of Elective Subjects

Course Code	Course Name	Subject Type	Semester
702[T]	Electric Vehicle Technology	Elective2.	7th
05[T]	Advanced power system protection	Elective2Theory	7th
06[T]	Power system reliability	Elective2Theory	7th
307[T]	Advanced power system	Elective3	8th
08[T]	Generalized Theory of Electrical Machines	Elective3	8th
809[T]	Industrial Instrumentation	Elective3.	8th
10[T]	EHV AC and DC Transmission	Elective4	8th
11[T]	HVDC	Elective4	8th
812[T]	Renewable and non conventional energy systems	Elective4.	8th