



STUDY AND EVALUATION SCHEME (2023-2024)
SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program: BTech(ElectricalEngineeringEVT)

Semester: 1st

.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credit	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	ECL0101[T]	Basic Electronics	60	20	20	0	0	0	100	2	1	0	3
2	EEL0132	Introduction of Electric Vehicle Technology	60	20	20	0	0	0	100	2	1	0	3
3	HUL0101[T]	Communication Skills & Colloquim	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	EEL0132	Introduction of Electric Vehicle Technology	0	0	0	60	20	20	100	0	0	1	1
8	EEP0101	Electrical workshop practice	0	0	0	60	20	20	100	0	0	2	2
9	HUL0101[P]	Communication Skills & Colloquim	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



STUDY AND EVALUATION SCHEME (2023-2024)
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rogramme:BTech(ElectricalEngineeringEVT)

Semester:2nd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	CSL0201	Essentials of Information Technology	60	20	20	0	0	0	100	2	0	0	2
2	EEL0201	Principles of Electrical Engineering	60	20	60	0	0	0	140	2	1	0	3
3	EEL0233	Architecture of Electric Vehicle and solar Panels	60	20	20	0	0	0	100	2	1	0	3
4	MAL0203	Statistics For Engineers	60	20	20	0	0	0	100	2	1	0	3
5	MCL0201	Environmental Pollution and global issues	60	20	20	0	0	0	100	3	1	0	4
6	MCL0202	Making of modern India	60	20	20	0	0	0	100	2	0	0	2
7	MEL0202	Engineering Graphics	60	20	20	0	0	0	100	2	1	0	3
8	CSL0201	Essentials of Information Technology	0	0	0	60	20	20	100	0	0	1	1
9	CST0201	Programming Logics	0	0	0	60	20	20	100	0	0	2	2
10	EEL0201	Principles of Electrical Engineering	0	0	0	60	20	20	100	0	0	1	1
11	EEL0233	Architecture of Electric Vehicle and solar Panels	0	0	0	60	20	20	100	0	0	1	1
12	MAL0203	Statistics For Engineers	0	0	0	60	20	20	100	0	0	1	1
13	MEL0202	Engineering Graphics	0	0	0	60	20	20	100	0	0	1	1
Total Credits												27	

Newly Added Courses



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rogramme:BTech(ElectricalEngineeringEVT)

Semester:3rd

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	EEL0302	Circuit Theory and Networks	60	20	20	0	0	0	100	3	1	0	4
2	EEL0304	Electrical & Electronic Materials	60	20	20	0	0	0	100	2	1	0	3
3	EEL0334	Energy Storage Systems for electric vehicles	60	20	20	0	0	0	100	3	0	0	3
4	EEL0340	Digital Electronics and Logic Design	60	20	20	0	0	0	100	2	1	0	3
5	MAL0306	Engineering Mathematics	60	20	20	0	0	0	100	3	1	0	4
6	CSP0303	Object Oriented Programming by Java	0	0	0	60	20	20	100	0	0	2	2
7	EEL0302	Circuit Theory and Networks	0	0	0	60	20	20	100	0	0	1	1
8	EEL0334	Energy Storage Systems for electric vehicles	0	0	0	60	20	20	100	0	0	1	1
9	EEL0340	Digital Electronics and Logic Design	0	0	0	60	20	20	100	0	0	1	1
10	EET0302	Industrial Training-I	0	0	0	60	20	20	100	0	0	2	2
Total Credits												24	

Newly Added Courses



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rogramme:BTech(ElectricalEngineeringEVT)

Semester:4th

.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credit
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	ECL0427	Analog & Digital Communication	60	20	20	0	0	0	100	3	1	0	4
2	EEL0405	Electrical Machines-I	60	20	20	0	0	0	100	3	1	0	4
3	EEL0430	Electrical Instrumentation	60	20	20	0	0	0	100	3	1	0	4
4	EEL0435	Electric and Hybrid Vehicles	60	20	20	0	0	0	100	2	1	0	3
5	EEL0441	Power Generation Transmission and Distribution	60	20	20	0	0	0	100	3	1	0	4
6	CSP0405	Computer Programming (PYTHON)	0	0	0	60	20	20	100	0	0	2	2
7	ECL0427	Analog & Digital Communication	0	0	0	60	20	20	100	0	0	1	1
8	EEL0405	Electrical Machines-I	0	0	0	60	20	20	100	0	0	1	1
9	EEL0430	Electrical Instrumentation	0	0	0	60	20	20	100	0	0	1	1
10	EEL0435	Electric and Hybrid Vehicles	0	0	0	60	20	20	100	0	0	1	1
Total Credits												25	

[Newly Added Courses](#)



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rogramme:BTech(ElectricalEngineeringEVT)

Semester:5th

.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credit	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	EEL 0507	Electrical Machine-II	60	20	20	0	0	0	100	3	1	0	4
2	EEL 0542	Power System Stability	60	20	20	0	0	0	100	3	1	0	4
3	EEL0509	Microprocessors & Interfacing	60	20	20	0	0	0	100	2	1	0	3
4	EEL0510	Electromagnetic Field Theory	60	20	20	0	0	0	100	3	1	0	4
5	EEL0536	Electric Vehicles Control	60	20	20	0	0	0	100	3	1	0	4
6	EEL 0507	Electrical Machine-II	0	0	0	60	20	20	100	0	0	1	1
7	EEL0509	Microprocessors & Interfacing	0	0	0	60	20	20	100	0	0	1	1
8	EEL0536	Electric Vehicles Control	0	0	0	60	20	20	100	0	0	1	1
9	EEP 0502	Electrical Engineering Simulation Lab I	0	0	0	60	20	20	100	0	0	2	2
10	EET0503	Industrial Training-II	0	0	0	60	20	20	100	0	0	2	2
Total Credits												26	

Newly Added Courses



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rogramme:BTech(ElectricalEngineeringEVT)

Semester:6th

.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credit	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	EEL 0612	Linear Control Systems	60	20	20	0	0	0	100	3	1	0	4
2	EEL 0643	Power System Protection	60	20	20	0	0	0	100	3	1	0	4
3	EEL0614	Power Electronics	60	20	20	0	0	0	100	2	1	0	3
4	EEL0637	Vehicle Dynamics	60	20	20	0	0	0	100	3	1	0	4
5	EED 0603	Mini Project	0	0	0	60	20	20	100	0	0	2	2
6	EEL 0612	Linear Control Systems	0	0	0	60	20	20	100	0	0	1	1
7	EEL 0643	Power System Protection	0	0	0	60	20	20	100	0	0	1	1
8	EEL0614	Power Electronics	0	0	0	60	20	20	100	0	0	1	1
9	EEP 0603	Electrical Engineering Simulation Lab -II	0	0	0	60	20	20	100	0	0	2	2
10		Elective1.	60	20	20	0	0	0	100	3	1	0	4
Total Credits												26	

Newly Added Courses



STUDY AND EVALUATION SCHEME (2023-2024)
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rogramme:BTech(ElectricalEngineeringEVT)

Semester:7th

.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credit	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	EEL0718	Electric drives	60	20	20	0	0	0	100	3	1	0	4
2	EEL0738	High Voltage Engineering	60	20	20	0	0	0	100	3	1	0	4
3	EED0704	Major project-I	0	0	0	60	20	20	100	0	0	2	2
4	EEL0718	Electric drives	0	0	0	60	20	20	100	0	0	1	1
5	EET0704	Industrial training-III	0	0	0	60	20	20	100	0	0	2	2
6		Elective3.	60	20	20	0	0	0	100	3	0	0	3
7		Elective2.	60	20	20	0	0	0	100	3	1	0	4
8		Elective1.	60	20	20	0	0	0	100	3	1	0	4
											Total Credits	24	

[Newly Added Courses](#)



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rogramme:BTech(ElectricalEngineeringEVT)

Semester:8th

.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credit	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1	EEL0822	Utilization of electrical power	60	20	20	0	0	0	100	3	1	0	4
2	EEL0839	Power system operation & Control	60	20	20	0	0	0	100	2	1	0	3
3	EED0804	Major Project	0	0	0	60	20	20	100	0	0	8	8
4	EEL0839	Power system operation & Control	0	0	0	60	20	20	100	0	0	1	1
5		Elective5.	60	20	20	0	0	0	100	3	1	0	4
6		Elective4.	60	20	20	0	0	0	100	3	1	0	4
											Total Credits	24	

[Newly Added Courses](#)



List of Elective Subjects

Course Code	Course Name	Subject Type	Semest
610	Signal & Systems	Elective1	6th
612	Special Electrical machine & Design	Elective1	6th
611	Computer Aided Protection	Elective1.	6th
714	Calibration and testing of electrical equipments	Elective1	7th
715	Power system reliability	Elective1	7th
713	SCADA systems and applications	Elective1.	7th
717	Power quality and industrial application	Elective2	7th
718	Advanced power system protection	Elective2	7th
716	Energy Management & Audit	Elective2.	7th
702	Fundamentals of IoT and Sensors	Elective3	7th
703	Soft computing Techniques	Elective3	7th
701	Machine Learning	Elective3.	7th
820	Generalized Theory of Electrical Machines	Elective4	8th
821	industrial instrumentation	Elective4	8th
819	Distributed Generation System	Elective4.	8th
823	HVDC	Elective5	8th
824	Smart Grid and Energy Management	Elective5	8th
822	EHV AC and DC Transmission	Elective5.	8th