



FACULTY OF ENGINEERING AND TECHNOLOGY
Department of Electrical Engineering
Teaching Scheme Session 2022 Onwards

Program Name: Bachelor of Technology

Course: B.Tech. in Electrical Engineering

YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE100101	Engineering Mathematics-I	4
2	EE100102	Engineering Chemistry	3
3	EE100103	Communication Skills	3
4	EE100104	Programming for Problem Solving	3
5	EE100105	Basic Civil Engineering	4
Practical Papers			
1	EE100121	Engineering Chemistry Lab	1
2	EE100122	Language Lab	1
3	EE100123	Computer Programming Lab	1
4	EE100124	Basic Civil Engineering Lab	1
5	EE100125	Computer Aided Engineering Graphics	2
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: I/II

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE100201	Engineering Mathematics-II	4
2	EE100202	Engineering Physics	3
3	EE100203	Human Values	3
4	EE100204	Basic Mechanical Engineering	4
5	EE100205	Basic Electrical Engineering	4
Practical Papers			
1	EE100221	Engineering Physics Lab	1
2	EE100222	Human Values Activities	1
3	EE100223	Manufacturing Practices Workshop	1
4	EE100224	Basic Electrical Engineering Lab	1
5	EE100225	Computer Aided Machine Drawing	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE101301	Advance Mathematics	4
2	EE101302	Technical Communication	2
3	EE101303	Power Generation Process	2
4	EE101304	Electrical Circuit Analysis	4
5	EE101305	Analog Electronics	3
6	EE101306	Electrical Machine - I	4
7	EE101307	Electromagnetic Field	3
8	CA101351	Fundamentals of Computer Application - I	1
9	HA101351	Professional English - I	2
Practical Papers			
1	EE101321	Analog Electronics Lab	1
2	EE101322	Electrical Machine-I Lab	2
3	EE101323	Electrical Circuit Design Lab	2
4	EE101324	Training Seminar	1
5	CA101371	Fundamentals of Computer Application - I	1
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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE101401	Biology	2
2	EE101402	Managerial Economics and Financial Accounting	2
3	EE101403	Electronic Measurement & Instrumentation	2
4	EE101404	Electrical Machine -II	4
5	EE101405	Power Electronics	4
6	EE101406	Signals & Systems	4
7	EE101407	Digital Electronics	2
8	HA101451	Professional English - II	2
9	CA101451	Fundamentals of Computer Application - II	1
Practical Papers			
1	EE101421	Electrical Machine -II Lab	2
2	EE101422	Power Electronics Lab	2
3	EE101423	Digital Electronics Lab	1
4	EE101424	Measurement Lab	1
5	CA101471	Fundamentals of Computer Application - II	1
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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE101501	Electrical Materials	2
2	EE101502	Power System - I	4
3	EE101503	Control System	4
4	EE101504	Microprocessor	3
5	EE101505	Electrical Machine Design	3
6	EE101506	Electromagnetic Wave	3
7	HA101551	Professional English - III	2
8	CA101551	Fundamentals of Computer Application - III	1
Practical Papers			
1	EE101521	Power System - I Lab	1
2	EE101522	Control System Lab	1
3	EE101523	Microprocessor Lab	1
4	EE101524	System Programming Lab	1
5	EE101525	Industrial Training	2
6	CA101571	Fundamentals of Computer Application - III	1
7	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE101601	Computer Architecture	2
2	EE101602	Power System - II	4
3	EE101603	Power System Protection	3
4	EE101604	Electrical Energy Conversion And Management	3
5	EE101605	Electric Drives	4
6	EE101606	Power System Planning	3
7	HA101651	Professional English - IV	2
8	CA101651	Fundamentals of Computer Application - IV	1
Practical Papers			
1	EE101621	Power System - II Lab	2
2	EE101622	Electric Drives Lab	2
3	EE101623	Power System Protection Lab	1
4	EE101624	Power System Planning Lab	1
5	CA101671	Fundamentals of Computer Application - III	1
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YEAR/SEMESTER: IV/VII

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE101701	Wind & Solar Energy Systems	3
2	EE101702	Power Quality And Facts	3
3	EE101703	Control System Design	3
4	EE101704	Open Elective-I	3
Practical Papers			
1	EE101721	Modelling And Simulation Lab	2
2	EE101722	Advanced Control System Lab	2
3	EE101723	Industrial Training	2
4	EE101724	Seminar	2
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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE102801	HVDC Transmission System	3
		Line-Commutated And Active PWM Rectifiers	
		Advanced Electric Drives	
2	EE102802	Open Elective-II	3
Practical Papers			
1	EE101821	Energy System Lab	2
2	EE101822	Project	7
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1