



NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM
Barfung Block, Ravangla Sub Division, South Sikkim-737139

Department of Electrical and Electronics Engineering

Odd Semester Subjects

Semester	Subject Code	L-T-P	Subject Name	Credit
Semester III	MA2001	3-1-0	Mathematics - III	3
	EE2001	3-0-0	Signals & Systems	3
	EE2002	3-0-0	Logic Design	3
	EE2003	3-0-0	Electrical Measurements	3
	EE2004	3-0-0	Basic Electronic Circuits	3
	EE2090	0-0-3	Basic Electrical Engineering Laboratory	2
	EE2091	0-0-3	Electronics Lab - I	2
	Total	15-01-06		19
Semester V	EE3001	3-0-0	Microprocessors and Microcontrollers	3
	EE3002	3-0-0	Control Systems - 1	3
	EE3003	3-0-0	Electrical Machines - II	3
	EE3004	3-0-0	Power Systems - I	3
		3-0-0	Elective – 1	3
		3-0-0	Elective – 2	3
	ME3094	0-0-3	Mechanical Engineering Laboratory	2
	EE3091	0-0-3	Electrical Machines Lab - I	2
	Total	18-00-06		22
Semester VII	MS4003	3-0-0	Economics	3
	EE4001	3-0-0	Control Systems - II	3
	EE4022	3-0-0	AC Drives	3
		3-0-0	Elective – 5	3
		3-0-0	Elective – 6	3
	EE4091	0-0-3	Power Engineering Lab	2
	EE4092	0-0-3	Project	2
	Total	15-00-06		19

List of Electives – Semester V (For Elective – 1 and Elective - 2)

Semester	Subject Code	L-T-P	Subject Name	Credit
Semester V	EE3021	3-0-0	Electrical Engineering Materials	3
	EE3022	3-0-0	Network Analysis & Synthesis	3
	EE3023	3-0-0	Optimization Techniques and Algorithms	3
	EE3024	3-0-0	Special Machines and Linear Machines	3
	EE3025	3-0-0	Electric Power Utilization	3
	EE3026	3-0-0	Dynamic Analysis of Electrical Machines	3
	EE3027	3-0-0	Linear System Theory	3
	EE3028	3-0-0	High Voltage Engineering	3
	EE3029	3-0-0	Non-conventional Energy Systems and Application	3
EE3030	3-0-0	Applications of Analog Integrated Circuits	3	

List of Electives – Semester VII (For Elective – 5 and Elective - 6)

Semester	Subject Code	L-T-P	Subject Name	Credit
Semester VII	EE4021	3-0-0	Artificial Neural Networks and Genetic Algorithms	3
	EE4023	3-0-0	Computer Control of Industrial Processes	3
	EE4024	3-0-0	Power System Operation and Control	3
	EE4025	3-0-0	Analog MOS Circuits	3
	EE4026	3-0-0	Switched-mode Power Supplies	3
	EE4027	3-0-0	Bio-Signal Processing	3
	EE4028	3-0-0	Power System Reliability and Deregulation	3
	EE4029	3-0-0	Control & Guidance Engineering	3
EE4030	3-0-0	Switchgear and Protection	3	