

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

142101

Semester - A

I Bachelor of Engineering (Electrical Engineering)

S. No	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								End Sem	CW	SW	End Sem	
1	MA 10001	Mathematics - I	4	1	0	4	0	70	30	0	0	100
2	PH 10002	Physics	4	0	2	3	1	70	30	20	30	150
3	CE 10003	Fundamentals of Civil Engineering & Applied Mechanics	4	0	2	3	1	70	30	20	30	150
4	ME 10004	Engineering Graphics	3	0	4	2	2	70	30	40	60	200
5	EE 10005	Fundamentals of Electrical Engineering	4	0	2	3	1	70	30	20	30	150
6	CH 10081	Environmental Science	0	1	2	0	2	0	0	100	0	100
7	HU 10082	Communication Skills	0	1	2	0	2	0	0	50	0	50
8	EE 12181	Electrical Engineering: Concepts & Scope	0	1	2	0	2	0	0	100	0	100
TOTAL			19	4	16	15	11	350	150	350	150	1000

142102

Semester - B

S. No	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								End Sem	CW	SW	End Sem	
1	MA 10501	Mathematics - II	4	1	0	4	0	70	30	0	0	100
2	CH 10502	Chemistry	4	0	2	3	1	70	30	20	30	150
3	HU 10503	Technical English	3	0	2	2	1	70	30	20	30	150
4	CO 10504	Computer Programming	4	0	2	3	1	70	30	20	30	150
5	ME 10505	Fundamentals of Mechanical Engineering	3	0	2	2	1	70	30	20	30	150
6	IP 10581	Manufacturing Practices	0	1	4	0	3	0	0	40	60	100
7	IP 10582	Concepts in Engineering Design	0	1	2	0	2	0	0	100	0	100
8	HU 10583	Rural outreach	0	3	0	0	3	0	0	100	0	100
TOTAL			18	6	14	14	12	350	150	320	180	1000

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

II Bachelor of Engineering (Electrical Engineering)

142201

Semester: III

S. No.	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								Th.	CW	SW	Pr.	
1	EE22001	Electrical Measurement & Measuring Instruments	4	-	2	3	1	70	30	40	60	200
2	EC22002	Analog Electronics	4	-	2	3	1	70	30	40	60	200
3	EE22011	Network Theory	4	1	2	4	1	70	30	40	60	200
4	MA22014	Mathematics -III	4	1	-	4	-	70	30	-	-	100
5	HU22015	Humanities, Environment & Engineering Economics	4	-	-	3	-	70	30	-	-	100
6	EE22442	Electrical Workshop-I	-	1	4	-	3	-	-	40	60	100
Optional Subject(s)			20	3	10	17	6	350	150	160	240	900
7	Open Category-I (Audit Only)		-	-	-	-	-	-	-	-	-	-

Semester: IV

S. No.	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								Th.	CW	SW	Pr.	
1	EE22551	Electrical Machines-I	4	-	2	3	1	70	30	40	60	200
2	EE22553	Electro-Magnetic Field & Materials	4	1	-	4	-	70	30	-	-	100
3	EE22554	Instrumentation	4	-	2	3	1	70	30	40	60	200
4	EC22562	Digital Electronics	4	-	2	3	1	70	30	40	60	200
5	MA22563	Mathematics-IV	4	1	-	4	-	70	30	-	-	100
6	EE22992	Electrical Workshop & Design-II	-	-	2	-	1	-	-	40	60	100
7	HU22999	Skill Development, Innovation and Entrepreneurship	-	1	2	-	2	-	-	50	-	50
Optional Subject(s)			20	3	10	17	6	350	150	210	240	950
8	Open Category-II(Audit Only)		-	-	-	-	-	-	-	-	-	-

142202

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
IV B.E.(4YDC) ELECTRICAL ENGINEERING

142401

SEMESTER - VII

S. No.	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
			1	EE 4204	Reliability Engineering			4	-	-	4	0
2	EE 4205	Digital Signal Processing	4	-	2	4	2	70	30	40	60	200
3	EE 4206	Computer Application to Power Systems	4	-	-	4	0	70	30	-	-	100
4	EE 4208	Power System-II	4	-	2	4	2	70	30	40	60	200
5	EE 4210	Faults and System Protections	4	-	2	4	2	70	30	40	60	200
6	EE 4242	Project and Seminar (Phase I)	-	-	4	0	4	-	-	40	60	100
Total			20	0	10	20	10	350	150	160	240	900

142402

SEMESTER - VIII

S. No.	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
			1	EE 4256	Advanced Electrical Drives			4	-	2	4	2
2	EE 4260	HVDC & FACTS	4	-	-	4	0	70	30	-	-	100
3	EE 4261	Designing with Micro Systems	4	-	2	4	2	70	30	40	60	200
4	EE 4262	Electrical Machines - III	4	-	2	4	2	70	30	40	60	200
5		Elective I	4	-	-	4	0	70	30	-	-	100
6	EE 4292	Project and Seminar (Phase II)	-	-	4	0	4	-	-	40	60	100
Total			20	0	10	20	10	350	150	160	240	900

Elective I		SEMESTER B
S.No.	Sub. Code	Subject
1	EE 4273	Optimal Control Theory
2	EE 4274	VLSI Design
3	EE 4275	Artificial Neural Network
4	EE 4276	Energy & Environment Audit and Modelling
5	EE 4277	Designing with Micro Systems
6	EE 4278	Sampled Data & Non-linear Control System