

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

II B.Tech / II B.E.(4YDC) Electrical Engineering

142201

Semester: III

S. No.	Subject Code	Subject Name	Hours per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								Th.	CW	SW	Pr.	
1	EE22001	Electrical Measurement & Measuring Instruments	3	-	2	3	1	70	30	40	60	200
2	EC22002	Analog Electronics	3	-	2	3	1	70	30	40	60	200
3	EE22011	Network Theory	3	1	2	4	1	70	30	40	60	200
4	MA22014	Mathematics -III	3	1	-	4	-	70	30	-	-	100
5	HU22005	Economics for Engineers	3	-	-	3	-	70	30	-	-	100
6	EE22442	Electrical Workshop-I	-	1	4	-	3	-	-	40	60	100
		Total	15	3	10	17	6	350	150	160	240	900
Optional Subject(s)												
7	OC-I	Open Category-I (Audit Only)	-	-	-	-	-	-	-	-	-	

Semester: IV

S. No.	Subject Code	Subject Name	Hours per Week			Credits		Max Marks				
			L	T	P	Th	Pr	Theory		Practical		Total
								Th.	CW	SW	Pr.	
1	EE22551	Electrical Machines-I	3	-	2	3	1	70	30	40	60	200
2	EE22553	Electro-Magnetic Field & Materials	3	1	-	4	-	70	30	-	-	100
3	EE22554	Instrumentation	3	-	2	3	1	70	30	40	60	200
4	EC22562	Digital Electronics	3	-	2	3	1	70	30	40	60	200
5	MA22563	Mathematics-IV	3	1	-	4	-	70	30	-	-	100
6	EE22992	Electrical Workshop & Design-II	-	-	2	-	1	-	-	40	60	100
7	HU22505	Values, Humanity and Professional Ethics	2	0	0	2	0	70	30	-	-	100
		Total	17	2	8	19	4	420	180	160	240	1000
Optional Subject(s)												
8	OC-II	Open Category-II(Audit Only)	-	-	-	-	-	-	-	-	-	

142202

Scheme

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

III B.E.(4YDC) ELECTRICAL ENGINEERING

SEMESTER - V

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	EE32001	Hybrid Energy Systems	3	-	2	3	1	70	30	40	60	200
2	EE32005	Micro processor & Operating System	3	-	2	3	1	70	30	40	60	200
3	EE32007	Power Electronics-I	3	-	2	3	1	70	30	40	60	200
4	EE32008	Electrical Machines-II	3	-	2	3	1	70	30	40	60	200
5	EC32014	Analog & Digital Communication	3	-	-	3	-	70	30	-	-	100
6	EE32451	Power Apparatus Design	-	1	4	0	3	-	-	40	60	100
Total			15	1	12	15	7	350	150	200	300	1000
Optional Subject(s)												
7	OC-III	Open Category-III (Audit Only)	-	-	-	-	-	-	-	-	-	-

142301

SEMESTER - VI

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	EE32508	Control Systems	3	-	2	3	1	70	30	40	60	200
2	EE32509	Power Electronics-II	3	-	2	3	1	70	30	40	60	200
3	EE32571	Power System-I	3	-	2	3	1	70	30	40	60	200
4	IP32601	Industrial Engineering & Management	3	-	-	3	0	70	30	-	-	100
5	EE32602	Utilization of Electrical Energy	3	-	2	3	1	70	30	40	60	200
6	EE32951	Electrical Machine Design	0	1	4	0	3	-	-	40	60	100
Total			15	1	12	15	7	350	150	200	300	1000
Optional Subject(s)												
7	OC-IV	Open Category-IV (Audit Only)	-	-	-	-	-	-	-	-	-	-

142302

SEMESTER - VII

IV B.E.(4YDC) ELECTRICAL ENGINEERING

142401

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	EE42004	Reliability Engineering	3	-	-	3	0	70	30	0	0	100
2	EE42005	Digital Signal Processing	3	-	-	3	0	70	30	0	0	100
3	EE42008	Power System-II	3	-	2	3	1	70	30	40	60	200
4	EE42010	Faults and System Protections	3	-	2	3	1	70	30	40	60	200
5	EE42001	Electrical Machines & Drives	3	-	2	3	1	70	30	40	60	200
6	EE42499	Minor Project & Seminar (Major Project Phase 2)	-	-	-	0	2	-	-	40	60	100
Total			15	0	6	15	5	350	150	160	240	900

IV B.E.(4YDC) ELECTRICAL ENGINEERING

142402

SEMESTER - VIII

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1		Electives-I	4	-	2	3	1	70	30	40	60	200
2		Electives-II	4	-	2	3	1	70	30	40	60	200
3	EE42881	Industrial Training/Internship/Seminar*				0	8	-	-	100	-	100
4	EE42999	Major Project Phase-II (AB group)	-	-	12	0	6	-	-	40	60	100
5	EE42499	Major Project Phase-I (BA group)	-	-	4	0	2	-	-	40	60	100
Total			8	0	20	6	18	140	60	220	180	600

IV B.E.(4YDC) ELECTRICAL ENGINEERING

List of Electives

Elective I			Elective II		
S.No.	Sub. Code	Subject	S.No.	Sub. Code	Subject
1		Designing With Micro Systems	1	EE42760	HVDC & FACTS ✓
2	✓ EE42675	Artificial Neural Network ✓	2		Energy & Environment Audit & Modelling
3	✓ EE42678	Sampled Data & Non-Linear Control System ✓	3		Power System Planning