

## II B.TECH.(4YDC) ELECTRICAL ENGINEERING

Semester: III

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1	PCC	EE22004	Electrical Measurement & Instrumentation	4	-	2	3	1	70	30	40	60	200
2	PEC	EC22002	Analog Electronics	4	-	2	3	1	70	30	40	60	200
3	PCC	EE22006	Network Theory	4	-	2	3	1	70	30	40	60	200
4	BSC	MA22014	Mathematics -III	4	1	-	4	-	70	30	-	-	100
5	HSMC	HU22005	Economics for Engineers	4	-	-	3	-	70	30	-	-	100
6	LC	EE22443	Electrical Workshop-I	-	-	4	-	2	-	-	40	60	100
			Total	20	1	10	16	5	350	150	160	240	900
Optional Subject(s)													
7		OC-I	Open Category-I (Audit Only)	-	-	-	-	-	-	-	-	-	-

Semester: IV

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1	PCC	EE22501	Electrical Machines-I	4	-	2	3	1	70	30	40	60	200
2	PCC	EE22502	Electro-Magnetic Field & Materials	4	1	-	4	-	70	30	-	-	100
3	PEC	EC22562	Digital Electronics	4	-	2	3	1	70	30	40	60	200
4	BSC	MA22563	Mathematics-IV	4	1	-	4	-	70	30	-	-	100
5	LC	EE22841	Electrical Workshop & Design-II	-	-	4	-	2	-	-	40	60	100
6	HSMC	HU22881	Values, Humanity and Professional Ethics	0	3	0	2	-	0	100	-	-	100
			Total	16	5	8	16	4	280	220	120	180	800
Optional Subject(s)													
7		OC-II	Open Category-II(Audit Only)	-	-	-	-	-	-	-	-	-	-

Internship I

4 to 8 Weeks

Scheme  
2018

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

SEMESTER - V

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	PCC	EE32009	Control Systems	4	-	2	3	1	70	30	40	60	200
2	PCC	EE32005	Micro processor & Operating System	4	-	2	3	1	70	30	40	60	200
3	PCC	EE32007	Power Electronics-I	4	-	2	3	1	70	30	40	60	200
4	PCC	EE32008	Electrical Machines-II	4	-	2	3	1	70	30	40	60	200
5	PEC		Elective-I	4	-	-	3	-	70	30	-	-	100
6	PCC	EE32452	Power Apparatus Design	-	-	4	-	2	-	-	40	60	100
7	PROJ	EE32481	Evaluation of internship I	-	-	-	-	3	-	-	40	60	100
8	PROJ	EE32499	Minor Project I	-	-	4	-	2	-	-	40	60	100
Total				20	0	16	15	11	350	150	280	420	1200

Optional Subject(s)

9		OC-III	Open Category-III ( Audit Only)	-	-	-	-	-	-	-	-	-	-
---	--	--------	---------------------------------	---	---	---	---	---	---	---	---	---	---

SEMESTER - VI

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1	PCC	EE32510	Hybrid Energy Systems	4	-	2	3	1	70	30	40	60	200
2	PCC	EE32509	Power Electronics-II	4	-	2	3	1	70	30	40	60	200
3	PCC	EE32571	Power System-I	4	-	2	3	1	70	30	40	60	200
4	PEC		Elective II	4	-	2	3	1	70	30	40	60	200
5	PCC	EE32511	Signals and Systems	4	-	-	3	-	70	30	-	-	100
6	PROJ	EE32999	Minor Project & Industrial Training	-	-	4	-	2	-	-	40	60	100
Total				20	0	12	15	6	350	150	200	300	1000

Optional Subject(s)

7		OC-IV	Open Category-IV ( Audit Only)	-	-	-	-	-	-	-	-	-	-
---	--	-------	--------------------------------	---	---	---	---	---	---	---	---	---	---

Internship II				4 to 8 Weeks									
---------------	--	--	--	--------------	--	--	--	--	--	--	--	--	--

## III B.Tech.(4YDC) ELECTRICAL ENGINEERING

Elective I		SEMESTER - V	
S.No.	Sub. Code	Subject	
1	✓ EE32281	Utilization of Electrical Energy	
2		Reliability Engineering	
3		Analog and Digital Communication	
4	✓ EE32282	Basic Electrical Drive System	
		Data Structure and Embedded Programming Concepts	

Elective II		SEMESTER - VI	
S.No.	Sub. Code	Subject	
1		Digital Control System	
2	✓ EE32603	Power System Planning	
3		Embedded System Design	
4	✓ EE32604	Energy Auditing and Conservations	

## IV B.Tech.(4YDC) ELECTRICAL ENGINEERING

## 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	EE42004	Reliability Engineering	4	-	-	3	0	70	30	0	0	100
2	EE42005	Digital Signal Processing	4	-	-	3	0	70	30	0	0	100
3	EE42008	Power System-II	4	-	2	3	1	70	30	40	60	200
4	EE42010	Faults and System Protections	4	-	2	3	1	70	30	40	60	200
5	EE42001	Electrical Machines & Drives	4	-	2	3	1	70	30	40	60	200
6	EE42499	Major Project Phase-I ( AB group)	-	-	4	0	2			40	60	100
	EE42999	Major Project Phase-II ( BA group)			12	0	6			40	60	100
Total		For AB Group	20	0	10	15	5	350	150	160	240	900
		For BA Group	20	0	18	15	9	350	150	160	240	900

## 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		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		For AB Group	8	0	16	6	16	140	60	220	180	600
		For BA Group	8	0	8	6	12	140	60	220	180	600

## IV B.Tech.(4YDC) ELECTRICAL ENGINEERING

Elective I		SEMESTER - VIII
S.No.	Sub. Code	Subject
1	EE42601	Designing With Micro Systems
2	✓ EE42675	Artificial Neural Network
3	✓ EE42678	Sampled Data & Non-Linear Control System

Elective II		SEMESTER - VIII
S.No.	Sub. Code	Subject
1	✓ EE42760	HVDC & FACTS
2	✓ EE42701	Energy & Environment Audit & Modelling
3	EE42702	Power System Planning