

## I.M.E. POWER ELECTRONICS

## SEMESTER - I

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE60003	Microprocessor Based System Design	4	-	-	4	-	70	30	-	-	100
2	EE60014	Advanced Control Systems	4	-	-	4	-	70	30	-	-	100
3	MA60015	Advanced Engineering Mathematics	4	-	-	4	-	70	30	-	-	100
4	EE61004	Power Electronics Devices & Phase Controlled Circuits	4	-	-	4	-	70	30	-	-	100
5	EE61005	Power Electronics Inverter & Chopper Circuits	4	-	-	4	-	70	30	-	-	100
6	EE61451	Laboratory. – I	-	-	4	-	4	-	-	40	60	100
7	EE61452	Laboratory. – II	-	-	4	-	4	-	-	40	60	100
8	EE61500	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	8	20	8	350	150	80	120	700

## SEMESTER - II

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE60505	Digital Signal Processing	4	-	-	4	-	70	30	-	-	100
2	EE61507	Power Electronics Applications to Power Systems	4	-	-	4	-	70	30	-	-	100
3	EE61602	Power Electronics Supply Systems & Design	4	-	-	4	-	70	30	-	-	100
4	EE61603	Modelling and Simulation of Drives	4	-	-	4	-	70	30	-	-	100
5	ELECTIVE I		4	-	-	4	-	70	30	-	-	100
6	EE61851	Lab. – III	-	-	4	-	4	-	-	40	60	100
7	EE61852	Lab. – IV	-	-	4	-	4	-	-	40	60	100
8	EE61881	Seminar	-	-	2	-	2	-	-	100	-	100
9	EE61900	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	10	20	10	350	150	180	120	800

## I.M.E. POWER ELECTRONICS

Elective 1		Semester II
S. No.	Sub. Code	Subject
1	EE61701	Reliability Engg.
2	EE61702	Measurement, Instrumentation & Protection in power Electronics Equipments
3	EE61703	Components in Power Electronics
4	EE61704	Computer Aided Power Electronics Analysis and Design
5	EE61705	Neural Computing System and Applications
6	EE61706	HVDC Engineering
7	EE61707	Embedded Systems Programming

## II M.E. POWER ELECTRONICS

## SEMESTER - III

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE61901	Dissertation Phase-I	-	-	20	-	20	-	-	100	150	250
Total			0	0	20	0	20	0	0	100	150	250

## SEMESTER - IV

(Admitted before 2012)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE 6196	Dissertation Phase-II	-	-	22	-	22	-	-	160	240	400
Total			0	0	22	0	22	0	0	160	240	400

(Admitted in 2012-2016)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE 6194	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400

(Admitted in and after 2017)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE61951	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400

## I.M.E. POWER SYSTEM &amp; CONTROL

## SEMESTER - I

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE60003	Microprocessor Based System Design	4	-	-	4	-	70	30	-	-	100
2	EE60014	Advanced Control System	4	-	-	4	-	70	30	-	-	100
3	MA60015	Advanced Engineering Mathematics	4	-	-	4	-	70	30	-	-	100
4	EE63001	Power System Operation & Control	4	-	-	4	-	70	30	-	-	100
5	EE63002	Power Electronics Application to Power System	4	-	-	4	-	70	30	-	-	100
6	EE63451	Laboratory. - I	-	-	4	-	4	-	-	40	60	100
7	EE63452	Laboratory. - II	-	-	4	-	4	-	-	40	60	100
8	EE63500	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	8	20	8	350	150	80	120	700

## SEMESTER - II

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE63501	Digital Protection of Power System	4	-	-	4	-	70	30	-	-	100
2	EE63502	Digital Control System	4	-	-	4	-	70	30	-	-	100
3	EE63503	Power System Planning & Reliability	4	-	-	4	-	70	30	-	-	100
4	EE63504	Distribution System	4	-	-	4	-	70	30	-	-	100
5	ELECTIVE I		4	-	-	4	-	70	30	-	-	100
6	EE63851	Lab. - III	-	-	4	-	4	-	-	40	60	100
7	EE63852	Lab. - IV	-	-	4	-	4	-	-	40	60	100
8	EE63881	Seminar	-	-	2	-	2	-	-	100	-	100
9	EE63900	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	10	20	10	350	150	180	120	800

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE  
II M.E. POWER SYSTEM & CONTROL

Elelective I		Semester II
S. No.	Sub. Code	Subject
1	EE63702	Power System Deregulation
2	✓ EE63701	Power Quality
3	EE63703	Energy Audit & Conservation
4	EE63704	HVDC Transmission System
5	EE63705	Energy Management System

2017

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE  
I.M.E. POWER SYSTEM & CONTROL

Scheme 2020-21

SEMESTER - III

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE63901	Dissertation Phase-I	-	-	20	-	20	-	-	100	150	250
Total			0	0	20	0	20	0	0	100	150	250

SEMESTER - IV

(Admitted in and after 2017)

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	EE63951	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400