

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

I.M.E. POWER ELECTRONICS

321101

SEMESTER - I

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				Total
								TH	CW	SW	Pr.	
						4	-	70	30	-	-	100
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	-	-	-	40	60	100
6	EE61451	Laboratory. - I	-	-	4	-	4	-	-	40	60	100
7	EE61452	Laboratory. - II	-	-	4	-	4	-	-	-	Grade	Grade
8	EE61500	Comprehensive Viva	-	-	-	-	-	-	-	-	-	700
Total			20	0	8	20	8	350	150	80	120	700

SEMESTER - II

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				Total
								TH	CW	SW	Pr.	
						4	-	70	30	-	-	100
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

321102

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

List of Electives

Elective I			Semester II			Elective I			Semester II		
S.	Sub. Code	Subject	S.	Sub. Code	Subject	S.	Sub. Code	Subject	S.	Sub. Code	Subject
1	EE61701	Reliability Engg.	4			4		Computer Aided Power Electronics Analysis and Design	5		Neural Computing System and Applications
2		Measurement, Instrumentation & Protection in power Electronics Equipments	5			6		HVDC Engineering	6		
3		Components in Power Electronics	6			7		Embedded Systems Programming	7		

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

321201

SEMESTER - III

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								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	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								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	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								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

321202

(Admitted in and after 2017)

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								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

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
I.M.E. DIGITAL TECHNIQUES AND INSTRUMENTATION

322101

SEMESTER - I

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								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	EE62016	Sensors in Instrumentation Technology	4	-	-	4	-	70	30	-	-	100
5	ELECTIVE I		4	-	-	4	-	70	30	-	-	100
6	EE62451	Laboratory. – I	-	-	4	-	4	-	-	40	60	100
7	EE62452	Laboratory. – II	-	-	4	-	4	-	-	40	60	100
8	EE62500	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	8	20	8	350	150	80	120	700

SEMESTER - II

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE60505	Digital Signal Processing	4	-	-	4	-	70	30	-	-	100
2	EE62602	Advanced Instrumentation Systems	4	-	-	4	-	70	30	-	-	100
3	EE62603	Reliability Engineering	4	-	-	4	-	70	30	-	-	100
4	EE62605	Multivariable System Dynamics & State Observer	4	-	-	4	-	70	30	-	-	100
5	ELECTIVE II		4	-	-	4	-	70	30	-	-	100
6	EE62851	Laboratory. – III	-	-	4	-	4	-	-	40	60	100
7	EE62852	Laboratory. – IV	-	-	4	-	4	-	-	40	60	100
8	EE62881	Seminar	-	-	2	-	2	-	-	100	-	100
9	EE62900	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	10	20	10	350	150	180	120	800

322102

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
I.M.E. DIGITAL TECHNIQUES AND INSTRUMENTATION

List of Electives

Elective I			Elective II		Semester II
Semester I					Subject
S.No	Code No	Subject	S.No	Sub. Code	
1		Distributed Computing System	1		Robotics & Machine Vision
2	EI62201	VLSI Technology (EI 6224)	2	EE62701	Embedded Systems Programming
3		Computer Peripherals & Interfaces	3		Mixed Signal Circuit Design
4		Neuro Fuzzy Systems	4		Optical Communication

322201

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
II M.E. DIGITAL TECHNIQUES AND INSTRUMENTATION

SEMESTER - III

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE62901	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	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE 6296	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	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE 6294	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	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE62951	Dissertation Phase-II	-	-	30	-	30	-	-	160	240	400
Total			0	0	30	0	30	0	0	160	240	400

322202

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

I.M.E. POWER SYSTEM & CONTROL

324101

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SEMESTER - I		Maximum Marks										
S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	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	-	-	-	40	60	100
6	EE63451	Laboratory. - I	-	-	4	-	4	-	-	40	60	100
7	EE63452	Laboratory. - II	-	-	4	-	4	-	-	-	Grade	Grade
8	EE63500	Comprehensive Viva	-	-	-	-	-	-	-	-	Grade	Grade
Total			20	0	8	20	8	350	150	80	120	700

324102

SEMESTER - II		Maximum Marks										
S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	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	-	-	-	40	60	100
6	EE63851	Lab. - III	-	-	4	-	4	-	-	40	60	100
7	EE63852	Lab. - IV	-	-	4	-	4	-	-	100	-	100
8	EE63881	Seminar	-	-	2	-	2	-	-	-	-	Grade
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
I.M.E. POWER SYSTEM & CONTROL
List of Electives

Elective I		Semester II		Elective I		Semester II	
S. No.	Sub. Code	Subject		S. No.	Sub. Code	Subject	
1	EE	Power System Deregulation		4	EE	HVDC Transmission System	
2	EE 6370	Power Quality ✓		5	EE	Energy Management System	
3	EE	Energy Audit & Conservation					