

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

321101

I.M.E. POWER ELECTRONICS

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

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

391201

SEMESTER - III

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE 6062	Dissertation Phase-I	-	-	20	-	20	-	-	100	150	250
Total			0	0	20	0	20	0	0	100	150	250

SEMESTER - IV

(Admitted before 2012)

391202

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 and after 2012)

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

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

322/101

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

322/102

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

List of Electives

Elective I			Elective II		
Semester I			Semester II		
S.No	Code No	Subject	S.No	Sub. Code	Subject
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

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

322201

SEMESTER - III

S. No.	Sub. Code	Subject	L	T	P	Th. Credit	Pr. Credit	Maximum Marks				
								TH	CW	SW	Pr.	Total
1	EE 6062	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 and after 2012)

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

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