

AFFILIATED INSTITUTIONS
ANNA UNIVERSITY CHENNAI 600 025
REGULATIONS – 2013
CURRICULUM I TO VI SEMESTERS (PART TIME)
M.E CONTROL AND INSTRUMENTATION ENGINEERING

SEMESTER I

SL.NO.	CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7163	Applied Mathematics for Electrical Engineers	3	1	0	4
2.	CL7102	Transducers and Measurements	3	1	0	4
3.	CL7103	System Theory	3	0	0	3
TOTAL			9	2	0	11

SEMESTER – II

SL.NO	CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CL7201	Process Dynamics and Control	3	0	0	3
2.	CL7202	Industrial Automation	3	0	0	3
3.	CL7204	Soft Computing Techniques	3	0	0	3
TOTAL			9	0	0	9

SEMESTER III

SL.NO.	CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CL7101	Control System Design	3	1	0	4
2.	ET7102	Microcontroller Based System Design	3	0	0	3
3.		Elective I	3	0	0	3
TOTAL			9	1	0	10

SEMESTER – IV

SL.NO	CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CL7203	Non-Linear Control	3	0	0	3
2.		Elective II	3	0	0	3
3.		Elective III	3	0	0	3
PRACTICAL						
4.	CL7211	Digital Control and Instrumentation Laboratory	0	0	3	2
TOTAL			9	0	3	11

SEMESTER – V

SL.NO	CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Elective IV	3	0	0	3
2.		Elective V	3	0	0	3
3.		Elective VI	3	0	0	3
PRACTICAL						
4.	CL7311	Project Work (Phase I)	0	0	12	6
TOTAL			9	0	12	15

SEMESTER – VI

SL.NO	CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1.	CL7411	Project Work (Phase II)	0	0	24	12
TOTAL			0	0	24	12

TOTAL NUMBER OF CREDITS 68**ELECTIVES FOR M.E CONTROL AND INSTRUMENTATION ENGINEERING****ELECTIVE I**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	ET7101	Advanced Digital System Design	3	0	0	3
2.	ET7104	Design of Embedded Systems	3	0	0	3
3.	PX7102	Analysis of Power Converters	3	0	0	3

ELECTIVE II & III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
4.	PX7203	Special Electrical Machines	3	0	0	3
5.	ET7006	Advanced Digital Signal Processing	3	0	0	3
6.	ET7004	Programming with VHDL	3	0	0	3
7.	PS7001	Optimization Techniques	3	0	0	3
8.	EB7202	Control of Electric Drives	3	0	0	3
9.	CL7001	Applied Industrial Instrumentation	3	0	0	3

ELECTIVE IV, V & VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
10.	CL7002	Robust Control	3	0	0	3
11.	CL7003	Wireless Sensor Networks	3	0	0	3
12.	ET7014	Application of MEMS Technology	3	0	0	3
13.	CL7004	Robotics and Control	3	0	0	3
14.	CL7005	Optimal Control and Filtering	3	0	0	3
15.	CL7006	Advanced Topics in Nonlinear Control	3	0	0	3
16.	CL7007	System Identification and Adaptive Control	3	0	0	3
17.	CL7008	Fault Tolerant Control	3	0	0	3
18.	ET7011	Smart Meter and Smart Grid Communication	3	0	0	3

