AFFILIATED INSTITUTIONS
ANNA UNIVERSITY, CHENNAI
REGULATIONS 2013
CURRICULUM I TO VI SEMESTERS (PART TIME)
M.E. CAD

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	MA7169	Advanced Numerical Methods	3	1	0	4
2	ED7102	Computer Applications in Design	3	0	2	4
3	ED7104	Vibration Analysis and Control	3	0	2	4
PRACTICAL						
4	CD7111	CAD Laboratory	0	0	2	1
		TOTAL	**9**	**1**	**6**	**13**

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	ED7201	Finite Element Methods in Mechanical Design	3	1	0	4
2	ED7202	Mechanisms Design and Simulation	3	0	2	4
3	ED7204	Integrated Mechanical Design	3	1	0	4
PRACTICAL						
4	CD7211	Analysis and Simulation Laboratory	0	0	2	1
5	CD7212	Design Project	0	0	3	2
		TOTAL	**9**	**2**	**7**	**15**

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	ED7101	Advanced Mechanics of Materials	3	0	0	3
2	ED7103	Quality Concepts in Design	3	0	0	3
3		Elective I	3	0	0	3
		TOTAL	**9**	**0**	**0**	**9**

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	CD7201	Computer Aided Tools	3	0	0	3
2		Elective II	3	0	0	3
3		Elective III	3	0	0	3
		TOTAL	**9**	**0**	**0**	**9**

SEMESTER V

SL. NO	COURSE 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	CD7311	Project Work (Phase I)	0	0	12	6
		TOTAL	**9**	**0**	**12**	**15**

SEMESTER VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1	CD7411	Project Work (Phase II)	0	0	24	12
		TOTAL	**0**	**0**	**24**	**12**

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE =73

LIST OF ELECTIVES FOR M.E. COMPUTER AIDED DESIGN
Elective I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	CD7001	Rapid Prototyping and Tooling	3	0	0	3
2	ED7005	Design of Material Handling Equipments	3	0	0	3
3	ED7002	Engineering Fracture Mechanics	3	0	0	3
4	ED7003	Composite Materials and Mechanics	3	0	0	3
5	ED7004	Design of Hydraulic and Pneumatic systems	3	0	0	3

Elective II & III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	CD7002	Applied Engineering Acoustics	3	0	0	3
2	CD7003	Advanced Tool Design	3	0	0	3
3	ED7071	Industrial Robotics and Expert systems	3	0	0	3
4	ED7009	Design of Pressure Vessels and Piping	3	0	0	3
5	IC7072	Computational Fluid Dynamics	3	0	0	3

Elective IV, V & VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	CD7004	Plasticity and Metal Forming	3	0	0	3
2	CD7005	Experimental Methods in Stress Analysis	3	0	0	3
3	CD7006	Integrated Manufacturing Systems	3	0	0	3
4	ED7010	Tribology in Design	3	0	0	3
5	ED7013	Advanced Finite Element Analysis	3	0	0	3