



M.E CAD/CAM REGULATIONS – 2019 CHOICE BASED CREDIT SYSTEM

CURRICULUM FOR I TO II SEMESTERS

SEMESTER I

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1	P19CC101	Computer Aided Engineering	FC	3	0	0	3
2	P19CC102	Mechatronics System Design	PC	4	0	0	4
3	P19CC103	Computer Aided Process Planning	PC	3	0	0	3
4	P19CC104	Research Methodology	PC	3	0	0	3
5		Professional Elective I	PE	3	0	0	3
6		Professional Elective II	PE	3	0	0	3
PRACTICALS							
7	P19CC105	Geometric Modelling Laboratory	EEC	0	0	4	2
8	P19CC106	Automation Laboratory	EEC	0	0	4	2
TOTAL				19	0	8	23

SEMESTER II

SL.NO	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1	P19CC201	Finite Element Analysis and Simulation	PC	3	1	0	4
2	P19CC202	CNC Technology and Programming	PC	3	0	0	3
3	P19CC203	Product Life Cycle Management	PC	3	0	0	3
4	P19CC204	Design for Manufacture, Assembly and Environments	PC	3	0	0	3
5		Professional Elective III	PE	3	0	0	3
6		Professional Elective IV	PE	3	0	0	3
PRACTICALS							
7	P19CC205	Simulation Laboratory	EEC	0	0	4	2
8	P19CC206	Computer Aided Manufacturing Laboratory	EEC	0	0	4	2
TOTAL				18	1	8	23



PROFESSIONAL ELECTIVE COURSES

SEMESTER I (Elective I and II)

Course Code	Course Name	L	T	P	C
P19CCP01	Design of Material Handling Systems	3	0	0	3
P19CCP02	Mechanical Behaviour of Materials	3	0	0	3
P19CCP03	Optimization Techniques in Design	3	0	0	3
P19CCP04	Quality Engineering	3	0	0	3
P19CCP05	Embedded System Design	3	0	0	3
P19CCP06	Sensors and Instrumentation	3	0	0	3

SEMESTER II (Elective III and IV)

P19CCP07	Metrology and Non Destructive Testing	3	0	0	3
P19CCP08	Composite Materials and Mechanics	3	0	0	3
P19CCP09	Design for Cellular Manufacturing Systems	3	0	0	3
P19CCP10	Performance Modelling and Analysis of Manufacturing Systems	3	0	0	3
P19CCP11	Industrial Robotics	3	0	0	3
P19CCP12	MEMS and NEMS	3	0	0	3