ACADEMIC REGULATIONS & COURSE STRUCTURE

For

CAD/CAM

(Applicable for batches admitted from 2016-2017)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

I Semester

S.No.	Subject	L	P	C
1	Industrial Robotics	4	--	3
2	Computer Aided Manufacturing	4	--	3
3	Special Manufacturing Processes	4		3
4	Geometric Modeling	4	--	3
5	**Elective I** 1. Computational Methods in Engineering 2. Mechanical Vibrations 3. Nano Technology	4	--	3
6	**Elective II** 1. Design for Manufacturing & Assembly 2. Mechatronics 3. Computer Aided Process Planning	4	--	3
7	Advanced CAD Lab	--	3	2
Total Credits				**20**

II Semester

S.No.	Subject	L	P	C
1	Modeling & Simulation of Manufacturing Systems	4	--	3
2	Optimization and Reliability	4	--	3
3	Computer Graphics	4	--	3
4	Finite Element Methods	4	--	3
5	Elective III 1. Quality Engineering in Manufacturing 2. Fracture Mechanics 3. Concurrent Engineering	4	--	3
6	Elective IV 1. Mechanics and Manufacturing Methods of Composites 2. Materials Technology 3. Intelligent Manufacturing Systems			
7	Modeling and Analysis of Manufacturing Processes Lab	--	3	2
Total Credits				**20**

III Semester

S. No.	Subject	L	P	Credits
1	Comprehensive Viva-Voce	--	--	2
2	Seminar – I	--	--	2
3	Project Work Part - I	--	--	16
Total Credits				**20**

IV Semester

S. No.	Subject	L	P	Credits
1	Seminar – II	--	--	2
2	Project Work Part - II	--	--	18
Total Credits				**20**