

Modified E3 (R12) Curriculum for Dept. of Mechanical Engineering (RKV Campus)

E1 Sem1

Name of the Course	Credits
Mathematics I	4
Physics (Chemistry)	4
English for Communication (Mechanics)	3
Electrical Technology (Programming and Data Structures)	4
Introduction to Manufacturing process & WSP (Engineering Drawing and Graphics)	3
Physics Lab (Chemistry Lab)	2
Electrical Technology Lab (Programming and Data Structures Lab)	2
Total Credits	22

E1 Sem2

Name of the Course	Credits
Mathematics II	4
Physics (Chemistry)	4
Engineering Mechanics (English)	3
Programming & Data Structures (Electrical Technology)	4
Engineering Drawing and Graphics (Introduction to Manufacturing process & WSP)	3
Physics Lab (Chemistry Lab)	2
Programming & Data Structures Lab (Electrical Technology Lab)	2
Total Credits	22

E2 Sem1

Name of the Course	Credits
Mathematics III	4
Mechanics of Material	4
Thermodynamics	4
Material Science & Metallurgy	4
Machine Drawing	4
Mechanics of Material Lab	2
Total Credits	22

E2 Sem2

Name of the Course	Credits
Basic Electronics	4
Kinematics of Machines	4
Fluid Mechanics	4
Manufacturing Processes	4
Metal Cutting and Machine Tools	4
Basic Electronics Lab	2
Kinematics of Machines Lab	2

Fluid Mechanics Lab	2
Metal Cutting and Machine Tools Lab	2
Total Credits	28
E2 Summer Sem	
Name of the Course	Credits
Foundation of Management	2
Skill Development	2
Total Credits	4
E3 Sem1	
Name of the Course	Credits
Dynamics of Machinery	4
Hydraulics and Hydraulic Machinery	4
Mechanical Measurements and Metrology	4
Heat Transfer	4
Applied Thermodynamics	4
Hydraulics and Hydraulic Machinery Lab	2
Mechanical Measurements and Metrology Lab	2
Heat Transfer Lab	2
Applied Thermodynamics Lab	2
Total Credits	28
E3 Sem 2	
Name of the Course	Credits
Elective	4
Elective	4
Elective + Lab	6
Free Elective	4
Mini Project	4
Total Credits	22
E3 Summer Sem	
Name of the Course	Credits
Summer Internship	4
Total Credits	4
E4 Sem1	
Name of the Course	Credits
Elective	4
Elective	4
Free Elective	4
Project	6
Total Credits	18
E4 Sem2	
Name of the Course	Credits
Elective	4
Elective	4
Free Elective	4

Project	6
Comprehensive Viva	2
Total Credits	20
Grand Total Credits	190

Design of Machine Elements I (Compulsory in E3S2)

Design of Machine elements II (Compulsory in E4S1)