

Modified E1 (R14) Curriculum for Dept. of Mechanical Engineering (RKV Campus)

E1 Sem1

Name of the Course	Credits
Engineering Mathematics I	4
Engineering Mechanics	4
Programming and Datastructures	4
Engineering Drawing and Computer Drafting	4
Workshop	3
Programming and Datastructures Lab	2
Managerial Economics	4
Total Credits	25

E1 Sem2

Name of the Course	Credits
Mathematics II	4
Basic Electrical and Electronics Engineering	4
Mechanics of Solids	4
Kinematics of Machines	4
Thermodynamics	4
Basic Electrical Engineering Lab	2
Mechanics of Materials Lab	2
Advanced English-I Lab	2
Total Credits	26

E1 Summer Sem

Name of the Course	Credits
Mathematics III-Probability & Statistics, Transform Calculus	4
Material Science and Metallurgy	4
Total Credits	8

E2 Sem1

Name of the Course	Credits
Dynamics of Machinery	4
Design of Machine Elements I	4
Fluid Mechanics and Hydraulic Machinery	4
Manufacturing Processes	4
Machine Drawing	4
Material Science and Metallurgy Lab	2
Fluid Mechanics and Hydraulic Machinery Lab	2
Advanced English-II Lab	2
Total Credits	26

E2 Sem2

Name of the Course	Credits
Metal Cutting and Machine Tools	4
Thermal Engineering I	4
Heat Transfer	4

Meterology and Mechanical Measurements	4
Design of Machine Elements II	4
Manufacturing Process lab	2
Thermal Engineering Lab	2
Advanced English-III Lab	2
Total Credits	26
E2 Summer Sem	
Name of the Course	Credits
Heat Transfer Lab	2
Metrology and Mechanical Measurements Lab	2
Mechanical Engineering Software Lab	2
Total Credits	6
E3 Sem1	
Name of the Course	Credits
Elective	4
Elective	4
Elective + Lab	6
Free Elective	4
Mini Project	4
Total Credits	22
E3 Sem2	
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
Community Service	2
Total Credits	20
Grand Total Credits	203