

**Curriculum of M. Des. Mechanical Systems**  
 (According to 9th, 10th, 11th, 13th, 14<sup>th</sup> and 17th senate meeting minutes)

<b>Semester 1</b>				
<b>Course Name</b>	<b>I</b>	<b>P</b>	<b>C</b>	<b>Category</b>
Optimization Methods	3	0	3	BEC
Introduction to Product Design and Development	3	0	3	DES
Advanced Mechanisms	3	0	3	PEC
Thermal Considerations in Design	3	0	3	PEC
Design with Advanced Engineering Materials	3	0	3	PEC
Advanced Engineering Simulation Practice - I	1	3	3	PEC
Product Conceptualization and Visualization	1	3	3	DES
<b>Total</b>	<b>17</b>	<b>6</b>	<b>21</b>	
<b>Semester 2</b>				
Elective - 1	3	0	3	ELE
Elective - 2	3	0	3	ELE
Life Cycle Management	3	0	3	DES
Design for X	3	0	3	DES
Failure Analysis and Design	3	0	3	PEC
Advanced Engineering Simulation Practice - II	0	3	2	PEC
Product Design Practice and Prototyping	0	6	4	DES
<b>Total</b>	<b>15</b>	<b>9</b>	<b>21</b>	
<b>Semester 3</b>				
<b>Course Name</b>	<b>I</b>	<b>P</b>	<b>C</b>	<b>Category</b>
Elective - 3	3	0	3	ELE
Design for Quality and Reliability	3	3	5	DES
Major Project – Part 1	0	9	6	PEC
Seminar	0	2	1	PEC
<b>Total</b>			<b>15</b>	
<b>Semester 4</b>				
<b>Course Name</b>	<b>I</b>	<b>P</b>	<b>C</b>	<b>Category</b>
Major Project – Part 2	0	21	14	PEC
<b>Total</b>			<b>14</b>	