



## SECOND SEMESTER

### THEORY:

<b>A. COMPULSORY SUBJECTS (Three)</b>	<b>Lectures</b>	<b>Lab</b>	<b>Tutorials</b>	<b>Credits</b>
<i>MCD-2001 Finite Element Method in Solids &amp; Structures</i>	3	0	1	4
<i>MCD-2003 Computer-Aided Design</i>	3	0	0	3
<i>MCD-2005 Computer-Aided Manufacturing Systems</i>	3	0	0	3

<b>B. ELECTIVE SUBJECTS (ANY TWO)</b>	<b>3X 2 = 6.0</b>			
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<i>MCD-2007 Theory of Optimization and Design</i>	3	0	0	3
<i>MCD-2009 Modeling Analysis &amp; simulation</i>	3	0	0	3
<i>MCD-2011 Mechatronics</i>	3	0	0	3
<i>MCD-2013 Virtual Prototyping &amp; Manufacturing</i>	3	0	0	3
<i>MCD-2015 Thermal Engineering &amp; Tribology</i>	3	0	0	3
<i>TCS- Artificial Intelligence &amp; Intelligent Systems (Breadth paper from CSE)</i>	3	0	0	3
<i>MEE-2001 Soft Computing Techniques (Breadth paper from EEE)</i>	3	0	0	3

### C. SESSIONALS:

<i>MCD-2002 Computer Aided Analysis &amp; Design Lab.-II</i>	1	2	0	2
<i>MCD-2006 Automation &amp; Robotics Lab</i>	1	2	0	2

**Total Minimum Number Credits to be Registered in Second Semester (Including Elective Paper & Sessionals) 20.0**

## THIRD SEMESTER

<i>MCD-3001 THESIS</i>	15.0
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## FOURTH SEMESTER

<i>MCD-4001 THESIS</i>	20.0
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**Total no of units 20 + 20 + 15 + 20 = 75**