

## FOURTH YEAR MECHANICAL ENGINEERING COURSE

### SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019-2020

#### SEMESTER - VII

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P	Duration (Hrs)	Marks				Credits	
						Th	IA	TW	O		Total
ME710	CAD/CAM	4	--	--	3	100	25	--	--	125	4
ME721	Refrigeration and Air Conditioning	3	--	--	3	100	25	--	--	125	3
ME722	Finite Element Method										
ME723	Six Sigma Management										
ME724	Advanced Optimization										
ME725	Tool Engineering										
ME730	CAD/CAM Laboratory	--	--	2	--	--	25	50	75	1	
***	Open Elective	3	--	--	3	100	25	--	--	125	3
ME740	Internship	--	--	6	--	--	50	50	100	3	
ME750	Project Work- PHASE I	--	--	6	--	--	50	75	125	3	
	<b>TOTAL</b>	<b>10</b>	<b>0</b>	<b>14</b>	--	300	75	125	175	675	17

Students to select **ANY ONE** subject from ME721, ME722, ME723, ME724, and ME725 as **Professional Elective - V**

\*\*\* Student will have to enter the course code that he/she takes as part of the open elective.

#### LEGEND

Abbreviation	Description
L	Lecture
T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work

IA	Internal Assessment
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## FOURTH YEAR MECHANICAL ENGINEERING COURSE

### SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019-2020

#### SEMESTER - VIII

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P	Duration (Hrs)	Marks					Credits
						Th	IA	TW	O	Total	
ME810	Industrial Engineering and Operations Management	3	--	--	3	100	25	--	--	125	3
ME821	Energy Conservation and Management	3	--	--	3	100	25	--	--	125	3
ME822	Automobile Engineering										
ME823	Industrial Automation and Robotics										
ME824	Maintenance Engineering and Management										
ME825	Computational Fluid Dynamics										
ME830	(nptel/mooc/swayam) student can take this online course between 6 to 8 sem. grades will be awarded in 8th sem.	3	--	--	--	--	--	50	50	100	3
ME840	Project Work- phase II	--	--	18	--	--	--	200	200	400	9
	<u>TOTAL</u>	<u>9</u>	<u>0</u>	<u>18</u>	--	200	50	250	250	750	18

# Students to select **ANY ONE** subject from ME821, ME822, ME823, ME824, and ME825 as **Professional Elective - VI**

#### LEGEND

Abbreviation	Description
L	Lecture

T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment