

**Course Book (2019-20 Even Semester, January - June 2019)**

*(Dept. of Mechanical Engineering)*

**S4 ME**

Code	Title	LTP	Cr	ES
15MEC211	Fluid Mechanics and Machinery	4 0 0	4	A
15MEC212	Kinematics of Machines	3 0 2	4	C
15MEC213	Manufacturing Process I	3 0 0	3	D
15MAT214	Probability and Statistics	2 1 0	3	B
<b>Elective I</b>				
15MEC236	Material Selection in Mechanical Design	3 0 0	3	E
15MEC257	Renewable Sources of Energy	3 0 0	3	E
15MEC253	Internal Combustion Engines and Pollution Control	3 0 0	3	E
15MEC255	Power Plant Engineering	3 0 0	3	E
<b>Humanities Elective II</b>				
15HUM231	Glimpses into the Indian mind – the Growth of Modern India		2	H
15SAN111	Sanskrit II		2	H
15HUM230	Emotional Intelligence		2	H
15HUM232	Glimpses of Eternal India		2	H
15HUM243	The Message of the Upanishads		2	H
15JAP231	Proficiency in Japanese Language(Higher)	1 0 2	2	H
15FRE231	Proficiency in French Language(Higher)	1 0 2	2	H
15GER233	Proficiency in German Language(Higher)	1 0 2	2	H
15ENG232	Insights into Life through English Literature	1 0 2	2	H
15HUM242	The Message of Bhagwad Gita	2 0 0	2	H
15MEC285	Fluid Mechanics and Machines Lab	0 0 2	1	L1
15SSK221	Softskills I	1 0 2	2	G
15AVP211	Amrita Values Programme II	1 0 0	1	F

**S6 ME**

Code	Title	LTP	Cr	ES
15MEC311	Design of Machine Elements II	3 1 0	4	A
15MEC312	Heat Transfer	3 1 0	4	B
15MEC313	Introduction to Finite Element Methods	3 0 2	4	C
15MEC314	Metrology and Measurements	3 0 0	3	D
<b>Elective III</b>				
15MEC258	Turbo Machinery	3 0 0	3	E
15MEC267	Composite Materials and Processing	3 0 0	3	E
15MEC269	Micro-manufacturing	3 0 0	3	E
15MEC248	Computational Fluid Dynamics	3 0 0	3	E
15MEC265	Advanced Welding Technology	3 0 0	3	E
15MEC252	Gas Dynamics and Jet Propulsion	3 0 0	3	E
15MEC235	Fracture Mechanics	3 0 0	3	E
15MEC242	Theory of Elasticity	3 0 0	3	E
15MEC237	Mechatronics	3 0 0	3	E
15PHY333	Concepts of Nano physics and Nano Technology	3 0 0	3	E
15PHY240	Electronic Material Science	3 0 0	3	E
15MEC385	Heat Transfer and Thermal Analysis Lab.	0 0 2	1	L1
15MEC386	Metrology and Measurements Lab.	0 0 2	1	L2
15SSK331	Soft Skills III	1 0 2	2	G

<b>S8 ME</b>				
Code	Title	LTP	Cr	ES
15MEC411	Operations Research	3 0 0	3	A
<b>Elective V</b>			3	
15MEC341	Total Quality Management	3 0 0	3	E
15MEC336	Managerial Statistics	3 0 0	3	E
15MEC334	Industrial Engineering	3 0 0	3	E
15MEC338	Operations Management	3 0 0	3	E
15CSE330	Information Technology Essentials			E
15MEC499	Project Phase II		10	P