

SCHOOL OF ENGINEERING AND
TECHNOLOGY

SRI PADMAVATI MAHILA
VISVAVIDYALAYAM

(WOMEN'S UNIVERSITY), TIRUPATI



Accredited by NAAC with 'A' Grade

Honors Degree Scheme & Syllabus – R20

Department of Mechanical Engineering

Effective from 2020-21

COURSES IN HONORS PROGRAMME

THEORY

S.No	Year / Semester	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (30 Marks)			External (70 Marks)		
				Assignment	Test								
								Max. Marks	Duration	Max. Marks	Duration	Max. Marks	
1	II - II	20METH01	Fracture Mechanics	3	1	0	4	5	2	25	3	70	100
2	III - I	20METH02	Advanced Fluid Mechanics	3	1	0	4	5	2	25	3	70	100
3	III - I	20MEMH01	Mandatory MOOCs	0	0	0	2	0	0	0	0	0	100
4	III - II	20BSTH01	Advanced Engineering Mathematics	3	1	0	4	5	2	25	3	70	100
TRACK 1: PRODUCTION ENGINEERING													
5	III - II	20METH03	Metal Forming Processes	2	1	0	3	5	2	25	3	70	100
6	IV - I	20METH04	Tool Design	2	1	0	3	5	2	25	3	70	100
TRACK 2: INDUSTRIAL ENGINEERING													
7	III - II	20METH05	Total Quality Management & Reliability	2	1	0	3	5	2	25	3	70	100
8	IV - I	20METH06	Production And Operations Management	2	1	0	3	5	2	25	3	70	100
TRACK 3: DESIGN ENGINEERING													
9	III - II	20METH07	Mechanics of Composite Materials	2	1	0	3	5	2	25	3	70	100
10	IV - I	20METH08	Tribological Systems Design	2	1	0	3	5	2	25	3	70	100
TRACK 4: THERMAL ENGINEERING													
11	III - II	20METH09	Advanced IC Engines & Automobile Engineering	2	1	0	3	5	2	25	3	70	100
12	IV - I	20METH10	Turbo Machinery	2	1	0	3	5	2	25	3	70	100
TRACK 5 : MANUFACTURING TECHNOLOGIES													
13	III - II	20METH11	Smart Manufacturing	2	1	0	3	5	2	25	3	70	100
14	IV - I	20METH12	Additive Manufacturing	2	1	0	3	5	2	25	3	70	100
Total				13	5	0	20						600