B.Tech Mechanical Engineering (Working Professionals)

Study Scheme

SEMESTER – III

Course Code	Course Title	L	T	P	Credits
UWME-301	Strength of Materials	3	1	0	4
UWME-302	Manufacturing Processes	3	0	0	3
UWME-303	Engineering Materials	3	0	0	3
UWPD-301	Communication Skills for Engineers	2	0	0	2
UWME-305	Manufacturing Processes lab	0	0	2	1
UWME-306	Industry field work	0	0	12	6
UWME-307	Strength of Materials Lab	0	0	2	1
UWPD-302	Communication Skills for Engineers Lab	0	0	2	1

Total Credits = 21

SEMESTER – IV

Course Code	Course Title	L	T	P	Credits
UWME-401	Fluid Mechanics	3	1	0	4
UWME-402	Theory of Machines	3	0	0	3
UWME-403	Engineering Thermodynamics	3	0	0	3
UWES-401	Environment Science	3	0	0	3
UWME-405	Fluid Mechanics Lab	0	0	2	1
UWME-406	Applied Industrial Practices	0	0	12	6
UWME-407	Theory of Machines lab	0	0	2	1

Total Credits = 21

SEMESTER – V

Course Code	Course Title	L	T	P	Credits
UWME-501	Heat Transfer	3	0	0	3
UWME-502	Design of Machine Elements	3	0	0	3
UWPD-501	Professional Communication	3	0	0	3
UWME-504	Elective - 1	3	0	0	3
UWME-505	Heat Transfer lab	0	0	2	1
UWME-506	Professional Practice & Industrial Assignment	0	0	12	6

UWPD-502	Professional Communication Lab	0	0	2	1

Total Credits = 20

SEMESTER – VI

Course Code	Course Title	L	T	P	Credits
UWME-601	Refrigeration & Air Conditioning	3	1	0	4
UWPD-601	Workplace Communication & Ethics	3	0	0	3
UWME-603	Elective -2	3	0	0	3
UWME-604	Elective -3	3	0	0	3
UWME-605	Refrigeration & Air Conditioning Lab	0	0	2	1
UWME-606	Industrial Case Study	0	0	12	6

Total Credits = 20

SEMESTER – VII

Course Code	Course Title	L	T	P	Credits
UWME-701	Seminar on Emerging Technologies	0	0	4	2
UWME-702	Industrial Training / OJT-I	0	0	16	8
UWME-703	Minor Project	0	0	16	8
UWME-704	Industry Certification Course	0	0	4	2

Total Credits = 20

SEMESTER – VIII

Course Code	Course Title	L	T	P	Credits
UWME-801	Industrial Training / OJT-II	0	0	16	8
UWME-802	Major Project	0	0	24	12

Total Credits = 20

Electives

Elective - 1	Elective - 2	Elective - 3
UWME- 504A Industrial Automation	UWME-603 A Operations Management	UWME-604A Mechatronics Systems
UWME- 504B Renewable Energy Systems	UWME-603 B Quality Control & Six Sigma	UWME-604B: Industrial Project Management
UWME- 504C Non Traditional Machining	UWME-603 C Supply Chain Management	UWME-604C: Instrumentation and Control
UWME- 504D Flexible Manufacturing Systems	UWME-603 D Environmental Pollution Control	UWME-604D: Product Design & Development