

4th year COURSE CURRICULUM FOR THE 2017 Entry B.Tech. Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective I	3	0	0	6
	Dept elective II	3	0	0	6
	Institute elective I	3	0	0	6
Total					26
COURSES FOR HONOR REQUIREMENT					
ME	Project (Stage 1)	0	0	0	6
COURSES FOR MINOR REQUIREMENT					
ME 338M	Manufacturing Process II	2	1	0	6

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective III	3	0	0	6
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
	Dept elective VI	3	0	0	6
	Institute elective II	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
Total					33
COURSES FOR HONOR REQUIREMENT					
ME	Project (Stage 2)	0	0	0	12
COURSES FOR MINOR REQUIREMENT					

3rd year COURSE CURRICULUM FOR THE 2018 Entry B.Tech. Batch

Semester V					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 346	Heat Transfer	2	1	0	6
ME311	Microprocessor and Automatic Controls	2	1	0	6
ME 338	Manufacturing Processes II	2	1	0	6
HS 303/HS 307	Psychology or Sociology	3	0	0	6
Total					24
COURSES FOR HONOR REQUIREMENT					
COURSES FOR MINOR REQUIREMENT					

Semester – VI					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 306	Applied Thermodynamics	2	1	0	6
ME 316	Kinematics and Dynamics of Machines	2	1	0	6
ES 200	Environmental studies, Science & Engineering	3	0	0	3
HS 200	Environmental Studies	3	0	0	3
ME 370	Kinematics and Dynamics of Machines Lab	0	0	3	3
ME 372	Heat Transfer and Metrology Lab	0	0	3	3
ME 307	Mechanical Measurements Lab	0	0	0	3
ME 308	Industrial Eng and Operational research	2	1	3	6
Total					33
COURSES FOR HONOR REQUIREMENT					
ME	Course 1	3	0	0	6
COURSES FOR MINOR REQUIREMENT					
ME 316M	Kinematics and Dynamics of Machines	2	1	0	6

4th year COURSE CURRICULUM FOR THE 2018 Entry B.Tech. Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective I	3	0	0	6
	Dept elective II	3	0	0	6
	Institute elective I	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
ME 310	Microprocessor and Automatic controls Lab	0	0	3	3
Total					32
COURSES FOR HONOR REQUIREMENT					
ME	Project (Stage 1)	0	0	0	6
COURSES FOR MINOR REQUIREMENT					
ME 338M	Manufacturing Process II	2	1	0	6

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective III	3	0	0	6
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
	Dept elective VI	3	0	0	6
	Institute elective II	3	0	0	6
ME 374	Manufacturing Process Lab	0	0	3	3
Total					33
COURSES FOR HONOR REQUIREMENT					
ME	Project (Stage 2)	0	0	0	12
COURSES FOR MINOR REQUIREMENT					

4th year COURSE CURRICULUM FOR THE 2017 Entry DD (TFE) Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Department Elective II	3	0	0	6
	Department Elective III	3	0	0	6
	Institute Elective I	3	0	0	6
ME 663	Advanced Heat Transfer	3	0	0	6
ME 704	Computational methods in thermal and fluid engineering	1	0	4	6
Total					38

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Department Elective IV	3	0	0	6
	Department Elective V	3	0	0	6
	Department Elective VI	3	0	0	6
	Department Elective VII	3	0	0	6
	Institute Elective II	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
ME 657	TFE Lab.	3	0	0	6
Total					39

4th year COURSE CURRICULUM FOR THE 2017 Entry DD (CADA) BATCH

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
	Dept elective VI	3	0	0	6
	Dept elective VII	3	0	0	6
	Institute elective I	3	0	0	6
Total					38

Semester VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective VIII	3	0	0	6
	Dept elective IX	3	0	0	6
	Dept elective X	3	0	0	6
	Dept elective XI	3	0	0	6
	Dept elective XII	3	0	0	6
	Institute elective II	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
Total					39

4th year COURSE CURRICULUM FOR THE 2017 Entry DD (CIM) BATCH

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective III	3	0	0	6
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
ME 409	Intelligent Manufacturing Systems Lab.	3	0	0	6
	Institute elective I	3	0	0	6
Total					38

Semester VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective VI	3	0	0	6
	Dept elective VII	3	0	0	6
	Dept elective VIII	3	0	0	6
	Dept elective IX	3	0	0	6
	Dept elective X	3	0	0	6
	Institute elective II	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
Total					39

3rd year COURSE CURRICULUM FOR THE 2018 Entry DD (TFE) Batch

Semester V					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 346	Heat Transfer	2	1	0	6
ME311	Microprocessor and Automatic Controls	2	1	0	6
ME 338	Manufacturing Processes II	2	1	0	6
HS 303/HS 307	Psychology or Sociology	3	0	0	6
ME661	Advanced Thermodynamics	3	0	0	6
ME 651	Fluid Dynamics	2	1	0	6
Total					36

Semester – VI					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 306	Applied Thermodynamics	2	1	0	6
ME 316	Kinematics and Dynamics of Machines	2	1	0	6
ES 200	Environmental studies, Science & Engineering	3	0	0	3
HS 200	Environmental Studies	3	0	0	3
ME 370	Kinematics and Dynamics of Machines Lab	0	0	3	3
ME 372	Heat Transfer and Metrology Lab	0	0	3	3
ME 308	Industrial Engg. and Operations Research	2	1	0	6
ME 307	Mechanical Measurements Lab	0	0	3	3
	Department Elective I	3	0	0	6
Total					39

4th year COURSE CURRICULUM FOR THE 2018 Entry DD (TFE) Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective II	3	0	0	6
	Dept elective III	3	0	0	6
	Institute elective I	3	0	0	6
ME 310	Microprocessor and Automatic controls Lab	0	0	3	3
ME 441	Applied Thermodynamics Lab	0	0	3	3
ME 663	Advanced Heat Transfer	3	0	0	6
ME 704	Computational Methods in Thermal and Fluid Eng	1	0	4	6
Total					44

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
	Dept elective VI	3	0	0	6
	Dept elective VII	3	0	0	6
ME 374	Manufacturing Process Lab	0	0	3	3
	Institute elective II	3	0	0	6
ME 657	TFE Lab	3	0	0	6
Total					39

3rd year COURSE CURRICULUM FOR THE 2018 Entry DD (CADA) Batch

Semester V					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 346	Heat Transfer	2	1	0	6
ME 311	Microprocessors and Automic Controls	2	1	0	6
ME 338	Manufacturing Process II	2	1	0	6
HS 303/HS 307	Psychology or Sociology	3	0	0	6
	Department Elective I	3	0	0	6
	Department Elective II	3	0	0	6
Total					36

Semester – VI					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 306	Applied Thermodynamics	2	1	0	6
ME 316	Kinematics and Dynamics of Machines	2	1	0	6
ES 200	Environmental studies, sci&eng	3	0	0	3
HS 200	Environmental studies	3	0	0	3
ME 370	Kinematics and Dynamics of Machines Lab	0	0	3	3
ME 372	Heat Transfer and Metrology Lab	0	0	3	3
ME 308	Industrial Eng and Operational research	2	1	0	6
ME 307	Mechanical Measurement Lab	0	0	3	3
	Department Elective III	3	0	0	6
Total					39

4th year COURSE CURRICULUM FOR THE 2018 Entry DD (CADA) Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
	Dept elective VI	3	0	0	6
	Dept elective VII	3	0	0	6
	Institute elective I	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
ME 310	Microprocessor and Automatic controls Lab	0	0	3	3
Total					44

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective VIII	3	0	0	6
	Dept elective IX	3	0	0	6
	Dept elective X	3	0	0	6
	Dept elective XI	3	0	0	6
	Dept elective XII	3	0	0	6
	Institute elective II	3	0	0	6
ME 374	Manufacturing Process Lab	0	0	3	3
Total					39

3rd year COURSE CURRICULUM FOR THE 2018 Entry DD (CIM) Batch

Semester V					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 346	Heat Transfer	2	1	0	6
ME 311	Microprocessors and Automic Controls	2	1	0	6
ME 338	Manufacturing Process II	2	1	0	6
HS 303/HS 307	Psychology or Sociology	3	0	0	6
	Department Elective I	3	0	0	6
	Department Elective II	3	0	0	6
Total					36

Semester – VI					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 306	Applied Thermodynamics	2	1	0	6
ME 316	Kinematics and Dynamics of Machines	2	1	0	6
ES 200	Environmental studies, sci&eng	3	0	0	3
HS 200	Environmental studies	3	0	0	3
ME 370	Kinematics and Dynamics of Machines Lab	0	0	3	3
ME 372	Heat Transfer and Metrology Lab	0	0	3	3
ME 308	Industrial Eng and Operational research	2	1	0	6
ME 307	Mechanical Measurement Lab	0	0	3	3
ME 714	Computer Integrated Manufacturing	3	0	0	6
Total					39

4th year COURSE CURRICULUM FOR THE 2018 Entry DD (CIM) Batch

Semester VII					
Course code	Course Name	Credit Structure			
		L	T	P	C
ME 423	Machine Design	2	1	2	8
	Dept elective III	3	0	0	6
	Dept elective IV	3	0	0	6
	Dept elective V	3	0	0	6
ME 409	Intelligent Manufacturing Systems Lab.	3	0	0	6
	Institute elective I	3	0	0	6
ME 441	Applied Thermodynamics Lab	0	0	3	3
ME 310	Microprocessor and Automatic controls Lab	0	0	3	3
Total					44

Semester – VIII					
Course code	Course Name	Credit Structure			
		L	T	P	C
	Dept elective VI	3	0	0	6
	Dept elective VII	3	0	0	6
	Dept elective VIII	3	0	0	6
	Dept elective IX	3	0	0	6
	Dept elective X	3	0	0	6
	Institute elective II	3	0	0	6
ME 374	Manufacturing Process Lab	0	0	3	3
Total					39