SANSKRITI UNIVERSITY
FOR EXCELLENCE IN LIFE

Curriculum Session 2017-18

School Name : School of Engineering & Information Technology

Programme Name : B.Tech.   **Branch : Mechanical Engineering**

S. No.	Course Code	Course Title	L	T	P	C
SEMESTER : I						
1	MAT 101	Mathematics-I	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 151	Life Skill (Communication Skill)	-	-	4	2
		TOTAL NO. OF CREDITS				**24**

SEMESTER : II

S. No.	Course Code	Course Title	L	T	P	C
1	MAT 102	Mathematics-II	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 152	Life Skill (Human Values & Ethics)	-	-	4	2
		TOTAL NO. OF CREDITS				**24**

III SEMESTER

Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT 201	Mathematics III	3	1	0	4
2	MEE 201	Fluid Mechanics & Machinery	3	0	0	3
3	MEE 203	Mechanics of solids	3	0	0	3
4	MEE 205	Engineering Thermodynamics	3	0	0	3
5	MEE 207	Manufacturing Science and Technology	3	0	0	3
6	MEE 209	Instrumentation and Control Engineering	3	0	0	3
7	MEE 251	Fluid Mechanics & Machinery Lab	0	0	2	1
8	MEE 253	Engineering Thermodynamics Lab	0	0	2	1
9	MEE 255	Manufacturing Science Lab	0	0	2	1
10	BLL 251	Life Skill (Technical Communication)	0	0	4	2
		TOTAL NO. OF CREDITS				**24**

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SI. No.	Course Code	Course Title	L	T	P	C
		IV SEMESTER				
1	MAT 202	Satistical and Numerical Methods	3	0	0	3
2	MEE 202	Design of machine Elements	3	0	0	3
3	MEE 204	Engineering Materials & Metallurgy	3	0	0	3
4	MEE 206	Thermal engineering	3	0	0	3
5	MEE 208	Theory of Machines	3	0	0	3
6	MEE 210	Metrology and Measurements	3	0	0	3
7	MAT 252	Numerical and Statistical Methods Lab	0	0	2	1
8	MEE 252	Dynamics of machines Lab	0	0	2	1
9	MEE 254	Materials & Testing Lab	0	0	2	1
10	MEE 256	Thermal Engineering Lab	0	0	2	1
11	BLL 252	Life Skill (Soft Skill-II)	0	0	4	2
		TOTAL NO. OF CREDITS				**24**
		V SEMESTER				
SI. No.	Course Code	Course Title	L	T	P	C
1	MEE 301	Machine Design	3	0	0	3
2	MEE 303	Computer Aided Design	3	0	0	3
3	MEE 305	Gas Turbine & Jet Propulsion	3	0	0	3
4	MEE 307	Heat and Mass Transfer	3	0	0	3
5		Open Elective -I	0	0	4	2
6		Programme Elective- I	3	0	0	3
7	MEE 351	Machine Design Lab	0	0	2	1
8	MEE 353	Computer Aided Design Lab	0	0	2	1
9	MEE 355	Heat and Mass Transfer Lab	0	0	2	1
10	BLL 351	Life Skill (Aptitude Building)	0	0	4	2
11	MEE 357	Technical proficiency in Mechanical Engg I	0	0	2	1
		TOTAL NO. OF CREDITS				**23**
		VI SEMESTER				
SI. No.	Course Code	Course Title	L	T	P	C
1	MEE 302	Industrial Management and Entrepreneurship	3	0	0	3
2	MEE 304	Automobile Engineering	3	0	0	3
3	MEE 306	CAD/CAM/CIM	3	0	0	3
4		Programme Elective- II	3	0	0	3
5		Programme Elective- III	3	0	0	3
6		Open Elective -II	3	0	0	3
7	MEE 352	Automobile Engineering Lab	0	0	2	1
8	MEE 354	CAD/CAM Lab	0	0	2	1
9	CAC 300	Campus To Corporate	0	0	4	2
10	MEE 356	Technical proficiency in Mechanical Engg II	0	0	2	1
		TOTAL NO. OF CREDITS				**23**

Submitted By_____   Signature of Dean/HOD

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SI. No.	Course Code	Course Title	L	T	P	C
VII SEMESTER						
1	MEE 401	Mechatronics	3	0	0	3
2	EEE 409	Power Plant Engineering	3	0	0	3
3	MEE 403	Refrigeration and Air Conditioning	3	0	0	3
4		Programme Elective- IV	3	0	0	3
5		Programme Elective- V	3	0	0	3
6	MEE 405	Engineering Economics and Cost Estimation	2	0	0	2
7	MEE 451	Refrigeration & Air Conditioning Lab	0	0	2	1
8	MEE 453	Technical proficiency in Mechanical Engg III	0	0	2	1
9	MEE 400	Industrial Internship	0	0	0	2
		TOTAL NO. OF CREDITS				**21**
VIII SEMESTER						
1	MEE 402	Project Work	-	-	-	20
		TOTAL NO. OF CREDITS				20
OPEN ELECTIVE-I						
1	GER 101	Foreign Language(German)	0	0	4	2
2	FRE 101	Foreign Language(French)	0	0	4	2
3	JAP 101	Foreign Language(Japanese)	0	0	4	2
4	FPA 101	Fine & Performing Art	0	0	4	2
5	ECA 101	Extra cocuricular activities	0	0	4	2
OPEN ELECTIVE-II						
1	CSE 312	Cloud Computing	3	0	0	3
2	CSE 310	Internet of Things	3	0	0	3
3	ECE 308	Renewable Energy Resources	3	0	0	3
4	CLE 308	Natuaral Disaster and Mitigation management	3	0	0	3
5	ECE 306	Roboitcs	3	0	0	3
PROGRAMME ELECTIVE-I						
1	MEE 309	Welding Engineering	3	0	0	3
2	MEE 311	Composite Materials	3	0	0	3
3	MEE 313	Fluid Power Systems	3	0	0	3
4	MEE 315	Cryogenics Engineering	3	0	0	3

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PROGRAMME ELECTIVE-II						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE 308	Advanced Machining Processes	3	0	0	3
2	MEE 310	Fuels and Combustion	3	0	0	3
3	MEE 312	Surface Modification Technologies	3	0	0	3
4	MEE 314	Non-Destructive Evaluation and Testing	3	0	0	3
PROGRAMME ELECTIVE-III						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE 316	Finite Element Analysis	3	0	0	3
2	MEE 318	Product Design	3	0	0	3
3	MEE 320	Metal Forming Theory and Practice	3	0	0	3
4	MEE 322	Process Planning	3	0	0	3
PROGRAMME ELECTIVE-IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE 407	Production Planning and Control	3	0	0	3
2	MEE 409	Computational Fluid Dynamics	3	0	0	3
3	MEE 411	Nanomaterials /MEMS	3	0	0	3
4	ECE 425	Robotics	3	0	0	3
PROGRAMME ELECTIVE-V						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE 413	Rapid Manufacturing Technologies	3	0	0	3
2	MEE 415	New Venture Planning and Management	3	0	0	3
3	ECE 427	Renewable Energy Sources	3	0	0	3
4	MEE 417	Lean Enterprises and New Manufacturing Technology	3	0	0	3

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