

## B. Tech –MECHANICAL POs/PSOs Attainment

POs/ PSOs ATTAINMENT LEVEL 2018-2019

Code	Subject	Program Outcomes (PO's)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
I B. Tech-I Semester													
CS103ES	Programming For Problem Solving	1.16	1.16	1.09	0.77	0.58	-	-	-	-	-	-	0.83
MA101BS	Mathematics-I	0.96	1.03	0.96	-	-	-	-	-	-	-	-	0.41
PH103BS	Engineering Physics-I	0.51	0.51	0.37	0.23	0.14	-	-	-	-	-	-	0.19
ME104ES	Engineering Graphics	1.37	1.20	0.69	1.37	-	-	-	-	-	-	-	-
PH107BS	EP LAB	1.97	1.48	1.48	-	-	-	-	-	0.99	0.99	-	-
CS106BS	PPS LAB	2.85	2.85	2.85	2.10	1.61	-	-	-	-	1.11	-	2.35
I B. Tech II Semester													
MA301BS	Mathematics-IV	2.49	1.40	1.71	1.40	1.40	-	1.40	-	1.40	0.93	1.40	1.87
EC304ES	Signals and Stochastic Process	1.89	1.78	1.78	1.78	1.78	1.30	1.07	-	1.07	1.07	1.78	0.71
EC305ES	Network Analysis	2.37	2.52	2.05	1.74	1.66	0.95	-	-	1.42	-	-	1.74
EC303ES	Electrical Technology	1.24	1.56	0.93	0.93	-	-	-	-	2.80	-	2.49	0.93
EC302ES	Analog Electronics	1.21	0.68	1.13	1.13	1.13	0.83	-	-	1.13	-	1.13	1.13
EC306ES	Electronic Devices and Circuits Lab	1.95	1.95	1.95	1.95	-	-	-	-	1.95	1.95	-	-
EC307ES	Basic Simulation Lab	2.92	2.92	2.92	2.92	2.92	-	-	-	1.95	1.95	-	0.97
EC308ES	Basic Electrical Engineering Lab	1.95	1.95	0.97	0.97	-	-	-	-	-	-	-	-
MC300ES	Environmental Science and Technology	2.83	2.83	2.83	-	-	-	2.83	-	-	-	-	-

Code	Subject	Program Outcomes (PO's)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
II B. Tech-I Semester													
ME306ES	Fuels and lubricants lab	1.62	2.42	2.42	1.62	-	1.62	2.42	-	1.62	0.81	-	1.62
MA301BS	Mathematics - iv	0.87	0.69	0.54	-	-	-	-	-	-	-	-	-
ME302ES	Kinematics of machinery	1.63	1.63	1.90	1.63	-	0.81	-	-	-	0.81	-	1.63
ME305ES	Metallurgy and material science	2.62	0.87	-	-	-	2.62	2.62		1.75	1.75	-	2.62
ME308ES	Mms lab	2.43	1.21	-	-	0.81	2.43	2.43	-	1.62	1.62	-	2.43
ME307ES	Mos lab	2.42	1.61	1.94	0.81	-	1.61	1.61	-	2.26	2.42	-	2.42
ME303ES	Mechanics of solids	1.28	0.85	0.85	0.43	-	-	-	-	1.28	1.28	-	1.28
ME304ES	Thermodynamics	1.24	0.82	0.41	-	-	-	-	-	1.24	0.82	-	1.24
II B. Tech II Semester													
SM405MS	Business economics and financial analysis	-	-	-	-	-	-	2.06	2.06	2.06	2.06	2.06	2.06
ME403ES	Dynamics of machinery	1.65	1.18	1.41	1.88	-	1.88	1.88	1.41	1.88	1.41	-	1.41
ME401ES	Fluid mechanics and hydraulic machines	2.18	1.81	1.74	0.73	-	0.00	0.00	0.00	2.18	1.45	0.00	1.45
ME405ES	Manufacturing process	1.96	1.96	-	-	-	-	-	-	1.96	2.94	-	2.94
ME406ES	Kinematics and dynamics lab	0.75	2.42	1.81	-	-	-	-	-	2.42	1.81	-	2.42
ME407ES	Fluid mechanics and hydraulic machines lab	2.38	1.89	1.89	0.79	-	-	-	-	2.38	1.89	-	1.89
ME408ES	Manufacturing process lab	1.69	1.69	0.84	-	-	-	-	-	2.54	1.69	-	2.54
ME404ES	Machine drawing	1.84	-	-	-	-	2.59	-	-	2.59	2.59	-	2.59

Code	Subject	Program Outcomes (PO's)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
III B. Tech I Semester													
ME501PC	Design of machine members-1	2.53	2.53	2.11	2.11	-	-	-	-	2.53	1.69	-	2.53
ME507PC	Engineering metrology lab	2.38	2.38	1.89	0.79	1.19	2.38	2.38	2.38	2.38	2.38	-	2.38
SM504MS	Fundmentlas of management	0.72	1.15	1.15	1.26	1.44	0.72	0.87	1.32	1.32	1.68	1.80	0.90
ME504PC	Metrology & machine tools	2.78	2.55	2.78	-	-	1.62	-	-	2.09	2.09	-	2.09
CE511OE	Disaster management	1.68	1.98	-	-	-	2.52	2.52	2.10	2.52	1.68	1.89	2.53
ME506PC	Machine tools lab	2.38	2.38	1.89	0.79	1.19	2.38	2.38	2.38	2.38	2.38	-	2.38
ME502PC	Thermal engineering -i	2.77	2.31	1.85	0.92	-	-	-	-	2.77	1.85	-	2.77
ME505PC	Thermal engineering lab	2.40	2.24	1.92	2.08	-	-	-	-	2.40	2.40	-	2.40
III B. Tech II Semester													
ME601PC	Thermal engineering - ii	2.57	2.57	1.71	0.86	-	-	-	-	2.57	1.71	-	2.57
ME602PC	Design of machine members - ii	2.15	2.15	1.67	1.19	-	-	-	-	2.15	2.15	-	2.15
ME603PC	Heat transfer	2.90	2.90	1.93	0.97	-	-	-	-	2.90	2.90	-	2.90
NT603PC/ME611PE	Finite element methods	0.53	0.73	0.23	0.26	-	-	-	-	0.53	0.53	-	0.53
CE621OE	RS&GIS	2.87	2.37	1.91	0.96	-	-	-	-	2.87	2.87	-	2.87
EE622OE	ESS	2.81	2.34	1.87	0.94	-	-	-	-	2.81	2.81	-	2.81
ME604PC	Heat Transfer lab	2.88	2.88	1.62	1.09	-	-	-	-	-	-	-	2.88
ME605PC	CADD and MAT lab	2.42	2.42	1.05	-	-	-	-	-	1.05	1.05	-	2.42
EN606HS	Advanced English Communications Skills Lab	2.88	2.88	2.88	1.75	-	-	-	-	-	-	-	2.88
IV B. Tech I Semester													
A70390	Computer aided design & manufacturing lab	2.42	2.29	1.95	1.61	1.61	-	0.81	-	2.29	1.61	0.81	-

Code	Subject	Program Outcomes (PO's)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
A70343	Instrumentation and control system	1.81	1.81	1.36	-	-	1.81	2.72	-	-	-	1.81	1.81
A70332	Industrial management	1.63	1.63	1.50	0.68	0.82	-	-	-	0.95	1.36	0.54	0.95
A70352	Operations research	2.09	1.95	1.67	1.39	1.39	-	-	-	1.39	0.83	0.56	-
A70353	Power plant engineering	1.90	1.90	1.90	-	-	-	-	-	-	-	1.90	-
A70391	Production drawing practice & instrumentation lab	2.43	2.23	1.97	1.62	1.42	-	-	-	1.42	1.42	-	2.23
A70328	CAD/CAM	2.75	2.38	1.83	-	0.92	0.92	-	-	0.92	0.92	-	1.83
IV B. Tech II Semester													
A80366	Production Planning & Control	2.93	1.92	1.92	1.92	-	1.92	1.91	1.91	-	-	1.91	-
A80365	Plant Layout & Material Handling(Elective III)	2.93	3.35	0.95	1.89	0.97	0.00	0.00	0.00	1.91	1.91	0.00	1.91
A80324	Renewable Energy Sources (Elective IV)	2.87	2.80	1.86	1.86	1.86	0.93	0.93	0.93	2.80	0.93	-	2.80
A80087	Industry Oriented Mini Project	1.98	2.97	2.97	1.98	2.97	2.97	2.97	1.98	2.97	2.97	2.97	1.98
A80089	Seminar	-	1.97	2.96	2.96	2.96	1.97	2.96	1.97	2.96	2.96	2.96	2.96
A80088	Project Work	1.99	2.98	2.98	1.99	2.98	1.99	1.99	1.99	2.98	2.98	2.98	1.99
A80090	Comprehensive Viva	-	1.98	0.99	1.98	2.97	1.98	1.98	1.98	2.97	2.97	2.97	2.97
	Average	2.06	1.96	1.69	1.39	1.60	1.63	1.86	1.60	2.03	1.79	1.68	1.98
PO Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment		2.11	1.99	1.72	1.45	1.64	1.66	1.88	1.64	2.02	1.8	1.71	1.97
Direct Attainment		2.06	1.96	1.69	1.39	1.6	1.63	1.86	1.6	2.03	1.79	1.68	1.98
Indirect Attainment		2.55	2.22	1.95	1.99	2.00	1.97	2.07	2.00	1.91	1.85	1.99	1.93
PSO Attainment Level		PSO1	PSO2	PSO3									
CO Attainment		1.81	1.62	1.59									
Direct Attainment		1.79	1.55	1.53									
Indirect Attainment		2.00	2.21	2.12									

  
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<b>B. Tech – MECHANICAL / CO Attainment / Attainment Year 2018-2019</b>		
<b>Code</b>	<b>Subject</b>	<b>CO Attainment</b>
<b>I B. Tech I Semester</b>		
CS103ES	Programming For Problem Solving	1.16
MA101BS	Mathematics-I	1.03
PH103BS	Engineering Physics-I	0.51
ME104ES	Engineering Graphics	1.37
PH107BS	EP Lab	1.97
CS106BS	PPS Lab	2.85
<b>I B. Tech II Semester</b>		
MA202BS	Mathematics-II	2.12
MA203BS	Mathematics-III	2.84
PH201BS	Engineering Physics-II	2.84
CS204ES	Computer Programming in C	2.90
ME205ES	Engineering Graphics	2.90
CS208ES	Computer Programming in C Lab	2.90
PH207BS	Engineering Physics Lab	2.90
CH206BS	Engineering Chemistry Lab	2.90
<b>II B. Tech-I Semester</b>		
ME306ES	Fuels and lubricants lab	2.42
MA301BS	Mathematics - iv	0.87
ME302ES	Kinematics of machinery	1.90
ME305ES	Metallurgy and material science	2.62
ME308ES	Mms lab	2.43
ME307ES	Mos lab	2.42
ME303ES	Mechanics of solids	1.28
ME304ES	Thermodynamics	1.24
<b>II B. Tech II Semester</b>		
SM405MS	Business economics and financial analysis	2.06
ME403ES	Dynamics of machinery	2.82

Code	Subject	CO Attainment
ME401ES	Fluid mechanics and hydraulic machines	2.18
ME405ES	Manufacturing process	2.94
ME406ES	Kinematics and dynamics lab	2.42
ME407ES	Fluid mechanics and hydraulic machines lab	2.38
ME408ES	Manufacturing process lab	2.54
ME404ES	Machine drawing	2.59
III B. Tech I Semester		
ME501PC	Design of machine members-I	2.53
ME507PC	Engineering metrology lab	2.38
SM504MS	Fundmentlas of management	1.80
ME504PC	Metrology & machine tools	2.78
CE511OE	Disaster management	2.52
ME506PC	Machine tools lab	2.38
ME502PC	Thermal engineering -i	2.77
ME505PC	Thermal engineering lab	2.40
III B. Tech II Semester		
ME601PC	Thermal engineering - ii	2.57
ME602PC	Design of machine members - ii	2.15
ME603PC	Heat transfer	2.90
NT603PC/ME611PE	Finite element methods	1.94
CE621OE	RS &GIS	2.87
EE622OE	ESS	2.81
ME604PC	Heat transfer lab	2.88
ME605PC	CADD and MAT lab	2.42
EN606HS	Advanced English communications skills lab	2.88
IV B. Tech I Semester		
A70390	Computer aided design & manufacturing lab	2.42
A70343	Instrumentation and control system	2.72
A70332	Industrial management	1.63

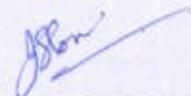
Code	Subject	CO Attainment
A70352	Operations research	2.09
A70353	Power plant engineering	1.90
A70391	Production drawing practice & instrumentation lab	2.43
A70328	CAD/CAM	2.75
IV B. Tech II Semester		
A80366	Production Planning & Control	2.93
A80365	Plant Layout & Material Handling(Elective III)	2.93
A80324	Renewable Energy Sources (Elective IV)	2.87
A80087	Industry Oriented Mini Project	2.97
A80089	Seminar	2.96
A80088	Project Work	2.98
A80090	Comprehensive Viva	2.97



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M. Tech – CAD / CAM POs/PSOs Attainment																
POs / PSOs ATTAINMENT LEVEL 2018-2019																
Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
<b>I M. Tech-I Semester</b>																
PC-1	Advanced CAD	2.38	1.32	0.75	-	1.32	2.38	-	2.38	2.38	2.38	-	2.38	1.32	0.75	2.38
PC-2	Computer Aided Manufacturing	-	2.45	0.84	-	2.45	2.45	-	2.45	2.45	2.45	-	2.45	0.84	-	2.45
PC-3	Advanced FEM	2.58	0.85	2.58	0.85	2.58	2.58	2.58	2.58	2.58	2.58	0.85	2.58	1.50	0.85	0.85
PE-1	Additive Manufacturing Technologies	2.38	1.32	0.75	-	1.32	2.38	-	2.38	2.38	2.38	-	2.38	1.32	0.75	2.38
PE-2	Automation in Manufacturing	1.31	1.31	1.31	-	-	2.42	2.42	2.42	2.42	2.42	-	2.42	1.31	1.31	1.31
Laboratory I	Advanced CAD/CAM Laboratory	-	2.62	0.90	-	2.62	2.62	-	2.62	2.62	2.62	-	2.62	0.90	-	2.62
<b>I M. Tech II Semester</b>																
PC-4	Design for Manufacturing and Assembly	2.31	0.75	2.31	-	-	2.31	2.31	2.31	2.31	2.31	-	2.31	1.15	1.15	-
PC-5	Flexible Manufacturing Systems	2.42	2.42	0.75	0.75	-	2.42	2.42	2.42	2.42	2.42	-	2.42	0.75	-	0.75
PC-6	Industrial Robotics	1.38	2.50	1.38	0.82	2.50	2.50	2.50	2.50	2.50	2.50	-	2.50	1.38	0.82	0.82
PE-3	Special Manufacturing Process	2.42	0.75	-	-	-	2.42	2.42	2.42	2.42	2.42	-	2.42	1.30	-	0.75
PE-4	Advanced Mechatronics	2.27	1.51	0.76	0.76	0.76	2.27	2.27	2.27	2.27	2.27	-	2.27	0.76	-	
Laboratory II	Manufacturing simulation & Precision Engineering lab	1.97	2.96	0.99	2.96		2.96	2.96	2.96	2.96	2.96	-	2.96	0.99	-	0.99
<b>II M. Tech-I Semester</b>																
	Comprehensive Viva - voice	2.42	2.42	2.42	1.75	-	-	-	-	1.75	1.75		2.42	2.54	-	1.79

Code	Subject	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
II M. Tech II Semester																
Project Evaluation (Viva-Voice)		2.98	2.98	2.98	1.95	1.95	-	-	-	1.95	1.95		2.98	2.98	2.98	2.98
Average		2.24	1.87	1.44	1.41	1.94	2.48	2.49	2.48	2.39	2.39	0.85	2.51	1.36	1.23	1.67
PO Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
CO Attainment		2.27	1.91	1.49	1.47	1.95	2.43	2.45	2.43	2.34	2.34	0.96	2.45			
Direct Attainment		2.24	1.87	1.44	1.41	1.94	2.48	2.49	2.48	2.39	2.39	0.85	2.51			
Indirect Attainment		2.55	2.22	1.95	1.99	2.00	1.97	2.07	2.00	1.91	1.85	1.99	1.93			
PSO Attainment Level		PSO1	PSO2	PSO3												
CO Attainment		1.42	1.33	1.72												
Direct Attainment		1.36	1.23	1.67												
Indirect Attainment		2.00	2.21	2.12												

  
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<b>M. Tech – CAD / CAM / CO Attainment / Attainment Year 2018-2019</b>		
<b>Code</b>	<b>Subject</b>	<b>CO Attainment</b>
I M. Tech I Semester		
PC-1	Advanced CAD	2.38
PC-2	Computer Aided Manufacturing	2.45
PC-3	Advanced FEM	2.58
PE-1	Additive Manufacturing Technologies	2.38
PE-2	Automation in Manufacturing	2.42
Laboratory I	Advanced CAD/CAM Laboratory	2.62
I M. Tech II Semester		
PC-4	Design for Manufacturing and Assembly	2.31
PC-5	Flexible Manufacturing Systems	2.42
PC-6	Industrial Robotics	2.5
PE-3	Special Manufacturing Process	2.42
PE-4	Advanced Mechatronics	2.27
Laboratory II	Manufacturing simulation & Precision Engineering lab	2.96

  
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