

# I SEM

	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods per semester	Credits	Continuous internal Evaluation (CIE)			Semester end examination (SEE)				
			L	T	P			Mid Sem1	Mid Sem 2	Internal Evaluation	Max marks	Min marks	Total Marks	Min marks for passing including CIE	
1	18M-101F	Basic English	3	1	0	60	3	20	20	20	40	14	100	35	
2	18M-102F	Basic Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
3	18M-103F	Basic Physics	3	1	0	60	3	20	20	20	40	14	100	35	
4	18M-104F	General Engineering Chemistry	3	1	0	60	3	20	20	20	40	14	100	35	
5	18M-105C	Basic Workshop Technology	3	1	0	60	3	20	20	20	40	14	100	35	
6	18M-106P	Basic Engineering Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18M-107P	Basic Computer Aided Drafting	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18M-108P	Basic Workshop Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18M-109P	Basic Science Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18M-110P	Computer Fundamentals Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		Academic activities	0	0	7	105	2.5	0	0	<b>Rubrics</b>		--		-	
		<b>TOTAL</b>	20	5	17	630	<b>25</b>	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

## II SEM

	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods per semester	Credits	Continuous internal Evaluation (CIE)			Semester end examination (SEE)			Min marks for passing including CIE	
			L	T	P			Mid Sem1	Mid Sem 2	Internal Evaluation	Max marks	Min marks	Total Marks		
1	18M-201F	Communicative English	3	1	0	60	3	20	20	20	40	14	100	35	
2	18M-202F	Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
3	18M-203F	Applied Physics	3	1	0	60	3	20	20	20	40	14	100	35	
4	18M-204F	Engineering Chemistry & Environmental studies	3	1	0	60	3	20	20	20	40	14	100	35	
5	18M-205C	Advanced Workshop Technology	3	1	0	60	3	20	20	20	40	14	100	35	
6	18M-206P	Advanced Engineering Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18M-207P	Advanced Computer Aided Drafting	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18M-208P	Advanced Workshop Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18M-209P	Applied Science Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18M-210P	IT Lab Practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		<b>Skill Upgradation</b>	0	0	7	105	2.5	0	0	<b>Rubrics</b>			--	-	
		<b>TOTAL</b>	20	5	17	630	<b>25</b>	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

### III SEM

	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods per semester	Credits	Continuous internal Evaluation (CIE)			Semester end examination (SEE)				
			L	T	P			Mid Sem 1	Mid Sem 2	Internal Evaluation	Max marks Min marks	Total Marks	Min marks for passing including CIE		
1	18M-301F	Applied Engineering Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
2	18M-302C	Solid Mechanics	3	1	0	60	3	20	20	20	40	14	100	35	
3	18M-303C	Thermodynamics	3	1	0	60	3	20	20	20	40	14	100	35	
4	18M-304C	Basic Manufacturing Technology	3	1	0	60	3	20	20	20	40	14	100	35	
5	18M-305C	Engineering Materials	3	1	0	60	3	20	20	20	40	14	100	35	
6	18M-306P	Machine Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18M-307P	Basic Manufacturing & Fabrication Engineering Lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18M-308P	Fuels Lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18M-309P	Solid Modeling Lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18M-310F	Communication and Life skills lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		<b>Skill Upgradation</b>	0	0	7	105	2.5	0	0	<b>Rubrics</b>			--	-	
		<b>TOTAL</b>	20	5	17	630	<b>25</b>	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

## IV SEM

Sl. No	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods per semester	Credits	Continuous internal Evaluation (CIE)			Semester End Examination (SEE)				
			L	T	P			Mid Sem 1	Mid Sem 2	Internal Evaluation	Max marks	Min marks	Total Marks	Min marks for passing including CIE	
1	18M-401F	Advanced Mathematics	3	1	0	60	3	20	20	20	40	14	100	35	
2	18M-402C	Heat Power Engg.	3	1	0	60	3	20	20	20	40	14	100	35	
3	18M-403C	Electrical Technology.	3	1	0	60	3	20	20	20	40	14	100	35	
4	18M-404C	Fluid Mechanics and Hydraulic Machinery	3	1	0	60	3	20	20	20	40	14	100	35	
5	18M-405C	Advanced Manufacturing Engineering	3	1	0	60	3	20	20	20	40	14	100	35	
6	18M-406P	Production Drawing	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18M-407P	Thermal Engineering. Lab	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18M-408P	Electrical Technology. Lab practice	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18M-409P	A. Material Testing Lab B. Fluid Mechanics and Hydraulics Machinery lab	1	0	2	45	1.5	20	20	20 (10+10)	40	20	100	50	
10	18M-410P	Advanced skills and life skills	1	0	2	45	1.5	20	20	20	40	20	100	50	
11		Skill Upgradation	0	0	7	105	2.5	0	0	<b>Rubrics</b>			--	-	
		<b>TOTAL</b>	20	5	17	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

## V SEM

	Course Code	Course Name	Teaching Scheme					Examination Scheme							
			Instruction periods per week			Total Periods per semester	Credits	Continuous internal Evaluation (CIE)			Semester end examination (SEE)				
			L	T	P			Mid Sem 1	Mid Sem 2	Internal Evaluation	Max marks Min marks	Total Marks	Min marks for passing including CIE		
1	18M-501C	Industrial Management and Entrepreneurship	3	1	0	60	3	20	20	20	40	14	100	35	
2	18M-502C	Design of machine elements	3	1	0	60	3	20	20	20	40	14	100	35	
3	18M-503C	CAD/CAM	3	1	0	60	3	20	20	20	40	14	100	35	
4	18M-504E	A) Industrial engineering B) Estimating and costing	3	1	0	60	3	20	20	20	40	14	100	35	
5	18M-505E	A) Refrigeration and Air Conditioning B) Fluid power engineering	3	1	0	60	3	20	20	20	40	14	100	35	
6	18M-506P	CAM LAB	1	0	2	45	1.5	20	20	20	40	20	100	50	
7	18M-507P	Advanced Manufacturing & Fabrication Engineering Lab	1	0	2	45	1.5	20	20	20	40	20	100	50	
8	18M-508P	Refrigeration and Air Conditioning Lab	1	0	2	45	1.5	20	20	20	40	20	100	50	
9	18M-509P	C Programming lab	1	0	2	45	1.5	20	20	20	40	20	100	50	
10	18M-510P	Project work	0	0	3	45	1.5	20	20	20	40	20	100	50	
11		Skill Upgradation	0	0	7	105	2.5	0	0	Rubrics			--	-	
		<b>TOTAL</b>	19	5	18	630	25	200	200	200	400	170	1000	425	
Activities: student performance is to be assessed through Rubrics															

## VI SEM

Course Title	: <b>Industrial Training</b>	Course Code	: <b>18M60IP</b>
Semester	: <b>VI</b>	Course Group	: <b>P</b>
Teaching Scheme/Week (L: T :P)	: <b>0:0:48</b>	Credits	: <b>25</b>
Methodology	: <b>Training</b>	Total Contact Period	: <b>6 months</b>
CIE	: <b>300</b>	SEE	: <b>100</b>
Industrial Evaluation	: <b>600</b>		