CONTENTS

Sr. No.	Particulars	Page No.				
-	Preface	(i)				
_	Acknowledgements	(iii)				
1.	Salient Features of the Course	1				
2.	Employment Opportunities	2				
3.	Competency Profile	3				
4.	Deriving Curriculum Areas	5				
5.	Abstract of curriculum Areas	7				
6.	Horizontal and Vertical Organization of the Curriculum	8				
7.	Study and Evaluation Scheme	9				
8.	Detailed Contents	15				
	FIRST SEMESTER					
	1.1 Communication Skills –I	16				
	1.2 Applied Mathematics-I	19				
	1.3 Applied Physics –I	21				
	1.4 Applied Chemistry-I	26				
	1.5 Basics of Information Technology	29				
	1.6 Engineering Drawing – I1.7 General Workshop Practice-I	34 37				
	•					
	SECOND SEMESTER					
	2.1 Communication Skills – II	42				
	2.2 Applied Mathematics-II	46				
	2.3 Applied Physics –II	48				
	2.4 Applied Chemistry – II	51				
	2.5 Applied Mechanics	54				
	2.6 Engineering Drawing – II2.7 General Workshop Practice- II	58 37				
	2.7 General Workshop Practice- II	37				
	THIRD SEMESTER					
	3.1 Computer Applications in Mechanical Engg.	61				
	3.2 Thermodynamics	65				
	3.3 Basics of Electrical and Electronics Engg.	69 72				
	3.4 Workshop Technology- I	72 76				
	3.5 Machine Drawing3.6 Workshop Practice I	76 78				
	5.0 Workshop Fractice F	70				

FOURTH SEMESTER

	4.1 4.2 4.3 4.4 4.5 4.6 4.7	Materials & Metallurgy Hydraulic and Pneumatic Systems Basic Mechanical Engineering Workshop Technology- II Machine Design & Drawing Workshop Practice II Inspection and Quality Control Industrial Training	81 85 88 92 95 97 98 100		
	FIFT	H SEMESTER			
	5.1	CAD	101		
	5.2	Material Management	104		
	5.3	Industrial Engineering	106		
	5.4	Workshop Technology III	108		
	5.5	CNC Machines & Automation	110		
	5.6	Workshop Practice III	112		
	5.7	Tool Engineering –I	114		
	SIXT	H SEMESTER			
	6.1	Industrial Management	116		
	6.2	Tool Engineering – II	119		
	6.3	CIM	121		
	6.4	Entrepreneurship Development and Management	124		
	6.5	Project Work	127		
9.	Reso	Resource Requirements			
10.	Recommendations for effective curriculum implementation				
11.	List o	f Participants	139		