CONTENTS

ACKNOWLEDGEMENTS
LIST OF ABBREVIATIONS
LIST OF FIGURES
LIST OF TABLES
LIST OF PUBLICATIONS
SYNOPSIS

Chapter 1
INTRODUCTION
  1.1 Introduction 1
  1.2 Computer Aided Design and Manufacturing 3
  1.3 Process Planning 3
  1.4 Computer Aided Process Planning (CAPP) 4
  1.5 Problem Identification 7
  1.6 Present Work 7

Chapter 2
COMPUTER AIDED PROCESS PLANNING 9
  2.1 Need for Process Planning 9
  2.2 Approaches of Process Planning 9
  2.3 Importance of Computer Aided Process Planning 10
  2.4 Conventional Process Planning versus CAPP 12
  2.5 Emergence of CAPP 13
  2.6 CAPP systems 15
  2.7 Objectives of Process Planning Systems 17
  2.8 Challenges in the area of CAPP 18
  2.9. Approaches to CAPP 19
  2.10 Implementation Techniques 21

Chapter 3
PROBLEM IDENTIFICATION AND OBJECTIVES 23
  3.1 Objectives of the Project 23
  3.2 Present Work 23