**COMPUTERIZATION OF MANUFACTURING UNIT**

**A Mini Project Report submitted in partial fulfillment of the requirements for the award of**

**Bachelor of Technology**

**In**

**Information Technology**

By

**P.GEETHA (10UC1A1218)**

**K.SRAVAN (10UC1A1215)**

**A.NARESH (10UC1A1202)**

Under the Guidance of

**A.KIRANMAYEE (H.O.D)**



**Department of Computer Science and Information Technology**

**TALLA PADMAVATHI COLLEGE OF ENGINEERING**

**Tekulagudem, SOMIDI, KAZIPET-506002**

**(Affiliated to JNTUH)**

**2012-13TALLA PADMAVATHI COLLEGE OF ENGINEERING**

**(Affiliated to JNTUH)**

**Tekulagudem, SOMIDI, KAZIPET-506002**

**Department of computer science and Information technology**



**CERTIFICATE**

This is to certify that the Mini Project Report entitled **“COMPUTERIZATION OF MANUFACTURING UNIT”** is a bonafide work of the student **P.GEETHA, K.SRAVAN, A.NARESH** bearing Roll No’s **10UC1A1218, 10UC1A1215, and 10UC1A1202** submitted in partial fulfillment of the requirements for the award of the degree of ***Bachelor of Technology*** in **Information Technology.**

**Guide Head of the Department**

**Mrs. A.KIRANMAYEE Prof. A.KIRANMAYEE**

**Principal**

**External Dr. K. Sivani**

**ACKNOWLEDGEMENT**

The successful completion of any task would be incomplete without mention of names of the people, whose constant guidance and encouragement crown all the efforts with success.

First and foremost we express our full gratitude to **Prof. A.Kiranmayee**Head of Department of Computer Science and Information Technology Engineering, Talla Padmavathi College of engineering, for enabling us to complete this work successfully. It is my duty to convey sincere thanks to my project guide.

We wish to acknowledgement the continuous support and encouragement received from our **Prof.A.Kiranmayee** during the course of this project.

We express my heartfelt thanks to **Dr.K.Sivani,** Principal, and Sri **T.Mallesham** secretary and chairman of Talla Padmavathi College of engineering, for giving us this opportunity for the successful completion of our mini project.

We are very much thankful to Sri. **T.Vamshi,** Director of TPCE for his encouragement and support and entire beloved faculty for all their help.

**P.GEETHA (10UC1A1218)**

**K.SRAVAN (10UC1A1215)**

**A.NARESH (10UC1A1202)**

**ABSTRACT**

Computer -aided manufacturing is use of computer software, to control machines tools and related machinery in the manufacturing of work prices. Its primary purpose is to create a fast production process and tooling with more prices dimensions. It is only the required amount of raw material, while simultaneously reducing energy consumptionCAM is now a system used in school and lower educational purpose CAM is a sub sequent. Computer –aided process after computer –aided design sometimes computer aided engineering as the model generated in CAD and verified in the CAE can be input into CAM software, which then control the machine tool.

**Index**

**Contents Page No.**

**1. INTRODUCTION 1-4**

1.1 Problem statement 2

1.2 Existing System 3

1.3 Proposed System 4

**2. SYSTEM REQUIREMENTS 5-13**

2.1 Hardware requirements 5

2.2 Software requirements 6

**3. MODULES 14-15**

**4. UML DIAGRAMS 16-23**

4.1 Use case Diagram 18

4.2 Class Diagram 19

4.3 Sequence Diagram 20

4.4 Collaboration Diagram 21

4.5 Activity Diagram 22

4.6 Database Tables 23

**5. CODE 24-30**

**6. TESTING 31-34**

**7. SCREEN SHOTS 35-39**

**8. CONCLUSION 40**

**9. BIBLIOGRAPHY 41**

**10. APPENDIX (USER MANUAL) 42**