

**E-CONSIGNMENT**

**PROJECT THESIS**

**SUBMITTED**

**TO**

**AWH ENGINEERING COLLEGE**

**KUTTIKKATTOOR, KOZHIKODE - 8**

**IN PARTIAL FULFILMENT**

**OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE**

**OF**

**Master Of Computer Applications**

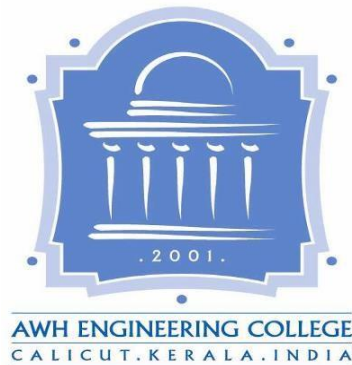
**BY**

**PRANAV. C**



**DEPARTMENT OF COMPUTER APPLICATIONS  
AWH ENGINEERING COLLEGE KUTTIKKAATTOOR,  
KOZHIKODE DECEMBER 2023**

# DEPARTMENT OF COMPUTER APPLICATIONS



## AWH ENGINEERING COLLEGE CALICUT

### CERTIFICATE

*This is to certify that this thesis entitled “E-CONSIGNMENT” submitted herewith is an authentic record of the thesis work done by PRANAV. C (AWH22MCA-2030) under our guidance in partial fulfillment of the requirements for the award of Master of Computer Applications from APJ Abdul Kalam Technological University during the academic year 2023.*

**Mrs. Sruti Sudevan**  
Assistant Professor  
Dept. of Computer Applications  
Head of the Department

**Ms. Prajina K**  
Assistant Professor  
Dept. of Computer Applications  
Project Guide

**External Examiner**

**Internal Examiner**

# ACKNOWLEDGEMENT

I express my sincere gratitude to our beloved principal **Dr. Sabeena M V** for providing me an opportunity with the required facilities for doing this project. I express my hearty thanks to **Mrs. Sruti Sudevan**, Head of the department of Computer Applications, **Ms. Prajina K**, Assistant Professor for her guidance. I am thankful to all other staff of the MCA department for their encouragement, timely guidance, valuable suggestions and inspiring ideas given throughout this project. I am grateful to my friends for the way they have cooperated, expected me to achieve success and have always stirred my ambition to do the best. Above all, I am grateful to the almighty, who has showered His blessings on me throughout my life and throughout the project.

**PRANAV. C**

## **ABSTRACT**

In today's world, it is increasingly important for people to send and receive various items such as imported furniture, electronic devices, gifts, and business goods. People heavily rely on different transportation systems, which often employ manual methods for receiving and delivering these items. Unfortunately, there is currently no efficient way to track these articles until they reach their destination, leaving clerks in the dark about the status of their shipments once they have sent them.

In this scenario, there is a pressing need for a system that can fully automate cargo activities, including tracking of dispatched articles. This need is met by E-consignment, an online software solution designed for cargo management professionals. E-consignment enables them to efficiently receive goods from their source, dispatch them to their intended destination, and provides tracking updates to admin and clerk.

# CONTENTS

	Page No
1. INTRODUCTION	1
2. SYSTEM ANALYSIS	3
2.1 Existing System	4
2.2 Proposed System	5
2.3 Module Description	5
2.4 Sprint	7
2.5 User Stories	9
3. FEASIBILITY STUDY	10
3.1 Economical Feasibility	11
3.2 Technical Feasibility	11
3.3 Operational Feasibility	11
3.4 Software Feasibility	11
3.5 Hardware Feasibility	11
4. SOFTWARE ENGINEERING PARADIGM	12
4.1 Agile Model	13
4.2 Scrum	13
5. SYSTEM REQUIREMENT SPECIFICATIONS	14
5.1 Software Requirements	15
5.2 Hardware Requirements	15
6. SYSTEM DESIGN	16
6.1 Database Design	17
6.2 Tables	19

6.3 UML Design	22
6.4 Use Case Diagram	23
6.5 Sequential Diagram	25
7. SYSTEM DEVELOPMENT	27
7.1 Coding	28
8. SYSTEM TESTING AND IMPLEMENTATION	29
8.1 Types of Testing	30
8.2 Implementation	31
9. SYSTEM MAINTENANCE	32
10. FUTURE ENHANCEMENT	34
11. CONCLUSION	36
12. APPENDIX	38
13. BIBLIOGRAPHY	48

