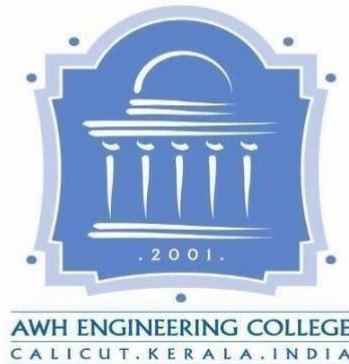


**E CONSIGNMENT  
PROJECT THESIS  
SUBMITTED  
TO  
AWH ENGINEERING COLLEGE  
KUTTIKATTOOR, KOZHIKODE  
IN PARTIAL FULFILMENT  
OF THE REQUIREMENTS FOR THE AWARD OF THE  
DEGREE  
OF  
Master Of Computer Applications  
BY PRANAV C**



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

DEPARTMENT OF COMPUTER APPLICATIONS



**AWH ENGINEERING COLLEGE**  
**KOZHIKODE**

**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 want to extend my sincere appreciation to our esteemed principal, Dr. Sabeena M V, for granting me the opportunity and necessary resources to undertake this project. My heartfelt thanks go to Mrs. Sruti Sudevan, the Head of the Department of Computer Applications, and Ms. Prajina K, Assistant Professor, for their invaluable guidance for my project E Consignment. I would like to express my gratitude to the entire MCA department staff for their continuous support, timely advice, and inspiring ideas that contributed to the success of this project.

I am thankful to my friends for their unwavering cooperation, belief in my abilities, and constant motivation to strive for excellence. Most importantly, I extend my gratitude to the divine force, whose blessings have been a constant presence in my life and throughout the duration of this 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 customers 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 real-time 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 provide continuous tracking updates to customers through service providers.

# 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 Behavioral Feasibility	12
3.5 Software Feasibility	12
3.6 Hardware Feasibility	12
4. SOFTWARE ENGINEERING PARADIGM	13
4.1 Agile Model	14
4.2 Scrum	14
5. SYSTEM REQUIREMENT SPECIFICATIONS	15
5.1 Software Requirements	16
5.2 Hardware Requirements	16
6. SYSTEM DESIGN	17
6.1 Database Design	18
6.2 Tables	20
6.3 UML Design	23
6.4 Use Case Diagram	24

6.5 Sequential Diagram	26
7. SYSTEM DEVELOPMENT	28
7.1 Coding	29
8. SYSTEM TESTING AND IMPLEMENTATION	31
8.1 Types of Testing	32
8.2 Implementation	33
9. SYSTEM MAINTENANCE	34
10. FUTURE ENHANCEMENT	36
11. CONCLUSION	38
12. APPENDIX	40
13. BIBLIOGRAPHY	55

