



# **TRADING JOURNAL AND STOCK VISUALIZING WITH TRADYCOM**



## **A PROJECT REPORT**

*Submitted by*

**GOKULRAJ R**

**(621719104011)**

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING  
MUTHAYAMMAL COLLEGE OF ENGINEERING,  
RASIPURAM.**

**ANNA UNIVERSITY : CHENNAI 600 025**

**MAY 2023**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**TRADING JOURNAL AND STOCK VISUALIZING WITH TRADYCOM**” is the bonafide work of “**GOKULRAJ R (621719104011)**” who carried out the project work under my supervision.

**SIGNATURE**

**Dr.C.SUGANTHI, M.E.,Ph.D.,**

**HEAD OF THE DEPARTMENT**

Department of Computer Science and  
Engineering,  
Muthayammal College of Engineering,  
Rasipuram - 637408.

**SIGNATURE**

**Mrs.T.SINDHIYA, M.E.,**

**SUPERVISOR**

Assistant Professor

Department of Computer Science and  
Engineering,  
Muthayammal College of Engineering,  
Rasipuram - 637408.

Submitted for Anna University Project Viva Voce held on\_\_\_\_\_.

**Internal Examiner**

**External Examiner**

## **DECLARATION**

I affirm that the project work titled “**TRADING JOURNAL AND STOCK VISUALIZING WITH TRADYCOM**” being submitted in partial fulfillment for the award of **B.E., (Computer Science and Engineering)** is the original carried out by me. It has not formed the part of any other project work submitted for award of any degree, either in this or any other University.

(Signature of the candidate)

**GOKULRAJ R**

**(621719104011)**

I certify that the declaration made above by the candidate is true to the best of my knowledge and belief.

(Signature of the Guide)

Mrs.T.Sindhiya,M.E.,

Assistant Professor,

Department of Computer Science and Engineering,

Muthayammal College of Engineering,

Rasipuram - 637 408.

## ACKNOWLEDGEMENT

First of all, I would like to thank the Almighty for blessings and my parents for their moral support given to me to complete our project successfully.

My hearty thanks to **Shri R.Kandasamy**, Chairman, Muthayammal Educational Trust & Research Foundation.

I express my hearty thanks to **Dr.K.Gunasekaran, Ph.D.**, Secretary and Managing Trustee for providing the necessary facilities.

We would also extend my deep gratitude and thanks to **Dr.P.Venugopal, Ph.D.**, Principal of Muthayammal College of Engineering for his kind support and guidance.

I would like to express my special thanks and gratitude to **Dr.R.Nallusamy, M.E., Ph.D.**, Dean of CSE & AI&DS for his valuable support.

I extend my deep pleasure and sincere thanks to **Dr.C.Suganthi, Ph.D.**, Head of the Department of Computer Science and Engineering for her guidance and kind co-operation.

I wish to extend my sincere thanks to **Mrs.T.Sindhiya, M.E.**, Department of Computer science and Engineering for her guidance to complete the project.

I express my heart full gratitude and sincere thanks to **Mr.D.Jotheeswaran, M.Tech.**, project coordinator for his valuable support.

## **ABSTRACT**

Trading journal and stock visualizing are essential tools for traders to improve their trading performance. A trading journal is a record-keeping tool that helps traders track their trades and analyze their performance. By keeping a detailed record of their trades, traders can identify patterns in their behavior, assess their strengths and weaknesses, and make informed decisions to improve their trading strategies. On the other hand, stock visualizing tools help traders to analyze and interpret data, trends, and patterns in the stock market. These tools provide traders with a visual representation of the market, which makes it easier for them to identify key indicators and make informed trading decisions. Together, a trading journal and stock visualizing tools are powerful resources for traders looking to improve their trading performance. By using these tools in conjunction with each other, traders can gain valuable insights into their trading behavior, identify profitable patterns, and make data-driven decisions to increase their profitability in the stock market.

## TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
	<b>ABSTRACT</b>	<b>v</b>
	<b>LIST OF FIGURES</b>	<b>ix</b>
	<b>LIST OF ABBREVIATIONS</b>	<b>x</b>
<b>1.</b>	<b>INTRODUCTION</b>	<b>1</b>
	1.1 OBJECTIVE	1
	1.2 PROBLEM DEFINITION	1
	1.3 FEATURE OF TRADING JOURNAL AND ANALYSIS WEBSITE	1
	1.4 NEEDS OF TRADING JOURNAL AND ANALYSIS WEBSITE	2
<b>2.</b>	<b>LITERATURE SURVEY</b>	<b>3</b>
	2.1 AN INTERMARKET APPROACH TO BETA ROTATION: THE STRATEGY SIGNAL, AND POWER OF UTILITIES	3
	2.2 DOW'S THEORY OF CONFIRMATION MODERNIZED.	4
	2.3 LEVERAGE FOR THE LONG RUN - A SYSTEMATIC APPROACH TO MANAGING RISK AND MAGNIFYING RETURNS IN STOCKS.	6
	2.4 EVALUATION OF SYSTEMATIC TRADING PROGRAMS	6
<b>3.</b>	<b>SYSTEM ANALYSIS</b>	<b>7</b>
	3.1 INTRODUCTION	7
	3.2 EXISTING SYSTEM	7
	3.3 DISADVANTAGES OF EXISTING SYSTEM	7
	3.4 PROPOSED SYSTEM	7
	3.5 ADVANTAGES OF PROPOSED SYSTEM	8
<b>4.</b>	<b>SYSTEM REQUIREMENTS</b>	<b>9</b>
	4.1 HARDWARE REQUIREMENTS	9
	4.2 SOFTWARE REQUIREMENTS	9

<b>5.</b>	<b>MODULE DESCRIPTION</b>	<b>10</b>
	5.1 INTRODUCTION	10
	5.2 FRONT-END-DESIGN: .NET CORE WEB MVC	11
	5.3 BACK END: .NET CORE WEB MVC	12
	5.4 DATA FLOW DIAGRAM	14
	5.5 SYSTEM ARCHITECTURE	15
	5.6 SYSTEM FLOW DIAGRAM	16
	5.7 DESCRIPTION ABOUT PROPOSED SYSTEM	16
	5.8 MODULE-1: TRADING JOURNAL	17
	5.9 MODULE-2: STOCKS VISUALIZING	18
	5.10 MODULE-3: TRADING CHART	18
	5.11 MODULE-4: ACCOUNT MANAGEMENT	19
<b>6.</b>	<b>TESTING</b>	<b>20</b>
	6.1 INTRODUCTION	20
	6.2 TYPES OF TESTING	20
	6.2.1 Unit Testing	20
	6.2.2 Integration Testing	20
	6.2.3 System Testing	20
	6.2.4 Functional Testing	21
	6.2.5 Performance Time Testing	21
	6.2.5.1 Module Level Testing	21
	6.2.5.2 Regression Testing	21
<b>7.</b>	<b>SOFTWARE IMPLEMENTATION</b>	<b>22</b>
	7.1 CREATE A WEB PROJECT	22
	7.2 ADD A MODEL CLASS	23
	7.3 ADD A DATABASE CONTEXT	25
	7.4 ADD NUGET PACKAGES	25
	7.5 ADD THE DBCONTEXT DATABASE CONTEXT	25
	7.6 REGISTER THE DATABASE CONTEXT	26

	7.7 SCAFFOLD A CONTROLLER	27
	7.8 USER REGISTRATION CREATE METHOD	28
	7.9 ADDING JOURNAL DATA TO THE DATABASE	31
	7.10 REPOSITORIES FOR CONTROLLER FUNCTION	33
	7.11 VIEWS FOR LISTING THE TABLE FROM DATABASE	35
<b>8.</b>	<b>CONCLUSION</b>	<b>36</b>
<b>9.</b>	<b>FUTURE IMPLEMENTATION</b>	<b>37</b>
<b>APPENDIX 1</b>	<b>SAMPLE SOURCE CODE</b>	<b>38</b>
<b>APPENDIX 2</b>	<b>SCREENSHOTS</b>	<b>54</b>
<b>APPENDIX 3</b>	<b>REFERENCES</b>	<b>58</b>



## **LIST OF FIGURES**

<b>FIG NO.</b>	<b>FIGURE NAME</b>	<b>PAGE NO.</b>
5.1.1	MVC Architecture	10
5.4.1	Data Flow Diagram	14
5.5.1	System Architecture	15
5.6.1	System Flow Diagram	16
5.7.1	Database Table	16
7.1.1	Create a Web Project	21

## **LIST OF ABBREVIATIONS**

MACD	Moving Average Convergence Divergence
RSI	Relative Strength Index
FX	Forex
NSE	National Stock Exchange
ASP	Active Server Pages
MVC	Model View Controller
API	Application Programming Interface
HTTP	Hyper Text Transfer Protocol
SQL	Structured Query Language
ORM	Object Relational Mapping
HTML	Hyper Text Markup Language
CSS	Cascading Style Sheets