

Analysis of stock market recommendations using computer vision

Dissertation

*Submitted in partial fulfillment of the requirements
for the degree of*

Master of Technology

in

Data Science

by

Pronoy Mandal

(Registration No. 20-27-09)

Under the Guidance of

Dr. Dasari Srikanth

Associate Professor

**Department Of Applied Mathematics, DIAT (DU)
Pune**

(Internal Supervisor)

Mr. Himanshu Chaudhary

Manager

**Integrated Surveillance Department, SEBI
Mumbai**

(External Supervisor)



**Department of Applied Mathematics
Defence Institute of Advanced Technology
(Deemed to be University)
Girinagar, Pune 411025**

April 2022

Dedication

To each and everyone who supported and motivated me

Approval Sheet

Thesis Titled : Analysis of stock market recommendations using computer vision

Undertaken By : Pronoy Mandal (Reg. No. 20-27-09)

is approved for the award of the degree of Master of Technology in Data Science programme.

(Internal Supervisor)

(External Supervisor if any)

(Member from Allied Department)

(External Subject Expert)

Date :

Place :DIAT, Pune

(Chairman)

Certificate of Course Work

This is to certify that **Pronoy Mandal** has successfully completed the necessary course work as required for award of M. Tech in Data Science. The details of the course work are as follows:

Sr. No.	Course No.	Course Name	Credits
1	AM 603D	Computer Oriented Optimization Methods	4
2	AM 604D	Statistical Computing for Data Science	4
3	AM 606D	Scientific Computing	4
4	AM 607D	Data Structures and Algorithms with C	4
5	CE 615A	Intelligent Algorithms	4
6	CE 696A	Artificial Intelligence and DSS	4
7	AM 623D	Machine Learning	4
8	AM 624D	Data Science: Tools and Techniques	4
9	CE 694	Big Data Analysis and Algorithms	4
10	AM 625D	Image and Video Analytics	4
11	CE 69C	Ethical Hacking and Penetration Testing	4
12	CE 700	Quantum Computing	4
13	AM 609D	Data Science: Industrial Perspectives	4
14	AM 651D	M.Tech Dissertation - 1	14
15	AM 652D	M.Tech Dissertation - 2	14

DIAT Pune

Controller of Examinations

Dated :

Certificate

This is to certify that the dissertation titled “**Analysis of stock market recommendations using computer vision**” submitted by **Pronoy Mandal** (Reg. No. 20-27-09) in partial fulfillment of the requirement for the award of degree of Master of Technology in Data Science.

Dr. Dasari Srikanth,

Internal Supervisor

Associate Professor

Department of Applied Mathematics,

DIAT, Girinagar, Pune-411025

Date:

Place:DIAT,Pune

Mr. Himanshu Chaudhary,

External Supervisor

Manager

SEBI, BKC, Mumbai

Date:

Place: SEBI,Mumbai

COUNTERSIGNED

Dr. SVSSNVG Krishna Murthy,

HOD,Department of Applied Mathematics,

Defence Institute of Advanced Technology (DIAT),

Girinagar, Pune

Declaration

This is to certify that the dissertation report titled “**Analysis of stock market recommendations using computer vision**” comprises of original work and due citations have been made in the text to all other material used. The dissertation has not been submitted in any form for another degree or diploma at any other institute/university.

Date:

Place:

Pronoy Mandal,

Reg.No. 20-27-09,

Department of Applied Mathematics,

DIAT, Girinagar, Pune

Dr. Dasari Srikanth,

Internal Supervisor

Associate Professor

Department of Applied Mathematics,

DIAT, Girinagar, Pune-411025

Date:

Place:DIAT,Pune

Mr. Himanshu Chaudhary,

External Supervisor

Manager

SEBI, BKC, Mumbai

Date:

Place:SEBI, Mumbai

Declaration For Plagiarism Check

This is to certify that M Tech thesis entitled “**Analysis of stock market recommendations using computer vision**” submitted by “**Pronoy Mandal**” bearing Registration No “**20-27-09**” under the supervision of “**Mr. Himanshu Chaudhary**”, Manager, Securities and Exchange Board of India (SEBI), and “**Dr. Dasari Srikanth**” in the Department of Applied Mathematics is the Original research work done by the candidate.

We have read the provision of “**DIAT (DU) Plagiarism Policy**” and it is certified that all the conditions prescribed in the aforesaid policy are complied with in respect of above mentioned M Tech thesis.

The thesis has been checked for the Plagiarism and the report is submitted along with the thesis for further processing.

✓ Originality content (including the contents from his own publications): %

✓ Similarity Reproduction of the content from other sources: %

We are aware that any issue related to plagiarism in future will have to be addressed by the candidate and the Supervisor (s) concerned.

Name of the Candidate:

Signature:

Date:

Name of Supervisor (s):

1.

2.

Signature:

1.

2.

Date: