

Form - 1

MAJOR / MINOR PROJECT DESCRIPTION (SESSION - 2022-23)

NAME OF LAB COORDINATOR: Mrs Sanju Choudhary

TITLE OF PROJECT: Stock Price Prediction Using Machine Learning

PROJECT TRACK: (Tick the appropriate one / ones)

<input checked="" type="checkbox"/> 1. R&D (Innovation)	<input type="checkbox"/> 2. CONSULTANCY (Fetched from Industry)	<input type="checkbox"/> 3. STARTUP (Self-Business Initiative)	<input type="checkbox"/> 4. PROJECT POOL (From IBM / INFOSYS)	<input type="checkbox"/> 5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

The project is a Machine Learning based solution for predicting a particular stock's price in future on the basis of past 11 years of data. It also has UI to represent the analytics of the data.

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
Jupyter Notebook	6.5.4	Software	For training ML Model.
Streamlit	1.22.0	Software	For giving UI support.
Keras		Software	For designing & training model.

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
Data & Model Configuration	Preprocessing of data & picking features.
Data Acquisition & Visualization	Importing & data & visualizing it on graph
Model Training	Training of model on Training Dataset.
Model Testing	Testing of trained model on Testing dataset.

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Aditya Baghela	A - GL	7725966230	Research & Data	Data Analyst
Anosh Field	A - GL	9166155848	Visualisation	Data Analyst
Atishay Jain	A - GL	7425085220	Model Training	ML Specialist
Dhruv Raj Naruka	A - GL	9357213115	& UI	Frontend Dev

NOTE: 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator. 2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.