# Riphah International University Lahore, Pakistan

**Riphah School of Computing & Innovation**

**FYP REGISTRATION / SUPERVISOR CONSENT FORM**

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| Semester: | **7TH** | Program: | **BSCS** |
| Supervisor: | **NAEEM ABBAS** | Designation: | **Assistant Professor** |
| Co-Supervisor: | **AHSEN IMTIAZ** | Designation: | **Assistant Professor** |
| Project Title: | **Stocks Price Prediction with machine learning** | | |
| Project ID: |  | | |

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| **PROJECT TEAM** | | | | |
| **#** | **Student ID \*** | **Student Name** | **Program** | **Signature** |
| 1 | 36154 | (Project Leader) Abdul QUDDOUS | BSCS |  |
| 2 | 38602 | ABDULLAH BIN ATA | BSCS |  |
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| 5 |  |  |  |  |

*\* Please enter the student contact detail on the next page*

Project Supervisor’s Comments:

Signature (Project Supervisor) Dated: Signature (Project Leader)

Project Coordinator’s Comments:

Signature (Project Manager) Dated: Signature (HoD/Chairman)

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| **STUDENT CONTACT DETAILS** | | | | |
| **#** | **Student ID** | **Student Name** | **Contact No.** | **Email** |
| 1 | 36154 | ABDUL QUDDOUS | 03457228219 | 36154@students.riphah.edu.pk |
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**Undertaking:**

We all understand and undertake that we all have passed all the following courses as a pre-requisite to enroll in FYP.

* Object Oriented Programming
* Web Application Development
* Introduction to Database Systems
* Software Engineering

# Project Idea

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| **Project Title: Stocks Price Prediction with machine learning** |
| **1. Introduction** |
| Stock prices are influenced by more than just numbers they’re shaped by investor emotions and sentiment. Our project, **"Stocks Price Prediction with machine learning,"** aims to make stock trading smarter by analyzing not only financial data but also market sentiment drawn from news, social media, and other sources. Focusing on NASDAQ (NASDAQ, which is an acronym for National Association of Securities Dealers Automatic Quotation System, was established in 1971. The US-based exchange is also the first-ever electronic stock market in the world. )stocks, we use advanced deep learning models to predict stock trends and help traders make more informed decisions.  .The ultimate goal is to build a user-friendly platform that gives accurate predictions and automates trades, making stock trading easier for everyone. |
| **2. Problem Statement** |
| In the fast-moving world of stock trading, accurately predicting price movements remains a major challenge. Many investors rely on traditional methods of market analysis, which often overlook the impact of public sentiment and external factors. This can lead to poor investment decisions and significant financial losses.  Current trading systems are limited in their ability to integrate real-time sentiment data from sources like social media and news platforms  As a result, there is a pressing need for an advanced system that combines financial data with sentiment analysis to provide more accurate and actionable stock predictions. This system should not only analyze the market but also automate trades to help investors make smarter, data-driven decisions. |
| **3. Proposed Solution:** |
| To address the challenge of accurate stock price predictions, **"Stocks Price Prediction with machine learning"** proposes a system that integrates real-time sentiment data with traditional financial analysis. By using deep learning models, the solution will analyze investor sentiment from sources like news articles and social media, alongside historical stock data. This will provide a more comprehensive view of market trends.  The platform will offer a user-friendly interface for traders to view predictions and automate trading decisions based on sentiment analysis, helping both novice and experienced investors make smarter, data-driven trades. |

*Do not exceed this page*