# Project-based Course Overview

## Welcome!

Welcome to **Investment Risk Management**. This is a project-based course which should take approximately 2 hours to finish. Before diving into the project, please take a look at the course objectives and structure:

## Course Objectives

In this course, we are going to focus on **two** learning objectives:

1. *Quantify risk-to-reward using Treynor Ratio*
2. *Calculate value at risk for investment portfolio*

By the end of this course, you will be able to **use risk management tools in your investment decisions.**

## Course Structure

This course is divided into 3 parts:

1. Course Overview: This introductory reading material.
2. **Investment Risk Management:** This is the hands on project that we will work on.
3. Graded Quiz: This is the final assignment that you need to pass in order to finish the course successfully.

## Project Structure

The hands on project on **Investment Risk Management** is divided into following tasks:

**Task 1: Introduction to Risk**

**Task 2: Monthly returns and Standard Deviation**

**Task 3: Calculating Beta**

**Task 4: Calculating Treynor Ratio**

**Task 5: Calculating Value at Risk**

**Task 6: Graphing and conclusion**

## Meet the Instructor

*Bekhruzbek Ochilov is a capital markets professional occupied in investment banking and equity research. He has experience in building analytics and BI solutions for stock exchanges. He was admitted to the Chartered Institute for Securities & Investment in 2020 as an associate member.*

## About workspaces

In this project, you will be assigned a virtual workspace that has all the required software pre-installed. This will allow you to follow along with the instructor to complete the work. After all, we learn best with active, hands-