# MARKET TIMING PERFORMANCE OF SHARIAH-BASED MUTUAL FUNDS IN PAKISTAN: FAMA FRENCH THREE FACTOR MODEL APPROACH

BY

## HUSSAIN IMRAN SANA AMIR MOHAMMAD BILAL MUNIR

57390 57369 57753

A Project submitted to Department of Management Studies, Bahria Business School, Bahria University – Karachi Campus, in partial fulfillment of the requirement for BS A&F Degree



**BS (ACCOUNTING & FINANCE)** 

SPRING-2022 Bahria University Karachi Campus

## **PROJECT APPROVAL STATEMENT**

## **APPROVAL FOR EXAMINATION**

Candidate's Name: Hussain Imran Candidate's Name: Sana Amir Candidate's Name: Mohammad Bilal Munir

Registration No.: 57390 Registration No.: 57369 Registration No.: 57753

Project Title: Market Timing Performance Of Shariah-Based Mutual Funds In Pakistan: Fama French Three-Factor Model Approach

To the best of my knowledge, the aforementioned candidate's thesis has been finished to my satisfaction and is of sufficient quality to be presented at an examination. An HEC-recommended plagiarism check of this thesis revealed an index of similarity of  $\underline{12}^{\circ}$ , which is well within the allowed limit for a Bachelor thesis defined by the HEC. A format that is acceptable to Management Sciences has also been found.

Supervisor's Signatures Vormet M.

Date: 15/08/22.

Supervisor's Name: Dr. Isma Zaighum

HOD's Signature:

Date:

## **DECLARATION OF AUTHENTICATION**

All of the components of this project have not been submitted to this university or any other educational institution as part of an application for a degree or certification.

Student's Signature:	the	
Student's Signature:	Sang.	
Student's Signature:	MBital	

Table of Contents   PROJECT APPROVAL STATEMENT	2
APPROVAL FOR EXAMINATION	2
DECLARATION OF AUTHENTICATION	
LIST OF TABLES	
ACKNOWLEDGMENT	
ABSTRACT	
CHAPTER 1: INTRODUCTION	
1.1 Intro and Background	
1.2 Problem Statement	
1.3 Objective	
1.4 Research Questions	
1.5 Justification	
1.6 Scope and Limitation	
CHAPTER 2: LITERATURE REVIEW	
CHAPTER 3: RESEARCH METHODOLOGY	
3.1 Data collection sources	
3.2 Technique	
3.3 Tool	
Implementation	
3.4 Factors in Fama-French Models	
CHAPTER 4: RESULTS AND DISCUSSION	20
4.1 Year to Year Analysis	20
Table 4.1: Year to Year Analysis	20
4.2 Descriptive Statistics	
Table 4.2: Descriptive Statistics	
Multicollinearity Analysis	
4.3 Variance Inflation Factor (VIF)	23
Table 4.3: Variance Inflation Factor	23
4.4 Correlation Analysis	
Table 4.4: Correlation Analysis	24
Table 4.5: Regression Analysis with KSE-100 Index	24
Table 4.6: Regression Analysis with KMI-30 Index	
Table 4.7: Market Timing of Mutual Fund with benchmark KSE-100 Index	
Table 4.8: Market Timing of Mutual Fund with benchmark KMI-30 Index	27
CHAPTER 5: CONCLUSION	

	5.1 Suggestion and Recommendation	30
	5.2 Directions for Future Research and Limitations	30
R	EFERENCES	31

#### **LIST OF TABLES**

Table 4.1: Year to Year Analysis (pg. no. 18)

Table 4.2: Descriptive Statistics (pg. no. 19)

Table 4.3: Variance Inflation Factor (pg. no. 20)

Table 4.4: Correlation Analysis (pg. no. 20)

Table 4.5: Regression Analysis with KSE-100 Index (pg. no. 21)

Table 4.6: Regression Analysis with KMI-30 Index (pg. no. 22)

Table 4.7: Market Timing of Mutual Fund with benchmark KSE-100 Index (pg. no. 22)

Table 4.8: Market Timing of Mutual Fund with benchmark KMI-30 Index (pg. no. 23)

### ACKNOWLEDGMENT

First, we are thankful to the Allah Almighty, who is the holder of our breaths, without His orders nothing is possible. In completing our project, we took the help and guidelines of some respected people, who deserve our appreciation and we are thankful to them. We would like to show our deepest gratitude to **Dr. Isma Zaighum**, Course Supervisor, Bahria University for giving us helpful guidelines for this project. We are thankful to all those who have directly and indirectly provided us with guidance in completing this report. Our project Co-Coordinator Dr. Rao Muhammad Rashid as well as our Dean and our H.O.D gave us this excellent opportunity to carry out this project on the topic "Performance Evaluation of Sharia Compliant Mutual Funds in Pakistan". This has also helped us by the extensive research we undertook due to which we explored many more new things which will be helpful in practical, ethical and work life.

We would also like to thank our classmates who gave valuable comments and suggestions on this proposal which inspired us to improve our report. We would also like to thank our parents who helped and supported us during these hard times and motivated us a lot in finalizing this project within the limited time frame. Lastly, we thank all the people for their direct and indirect help due to which we were able to complete our report.

## ABSTRACT

Mutual funds are increasingly being chosen as an investment vehicle in Pakistan by those who lack the knowledge necessary to effectively manage their wealth and minimize associated tax obligations. Businesses purchase mutual funds to lower both their corporate and individual tax obligations. Investors purchase mutual funds to preserve their money's value against inflation and receive tax benefits. Mutual funds are essential to a nation's economic growth. Its running engagement is seen from the fixed income's predominant position as well as the overall monetary marketplaces. By actively participating in the stock market and promoting stability, mutual funds are a source of substantial funds through consistent consumption of floating stocks. In this study, the data is collected from 19 Sharia Compliant Equity (Absolute Return) Mutual Funds. The period is from 2016-2021. The data is collected from MUFAP (Mutual Funds Association of Pakistan) and the Fund managers' reports from the Fund's website. This study aims to examine the market timing of Sharia-based mutual funds in Pakistan using the multi-factor model to see which factors influence the performance of Fund manager and hence the overall fund. The regression results show that the Fund managers do not possess the ability of Market timing for Shariah complaint mutual funds in Pakistan.