

Majors: MIS
Major No. BBA-13

Bridge IT: Digital Internship Portal For Student Placement



By:

Areeba Shakoor (01-111221-271)

Zainab (01-111222-261)

Sabaha Mir (01-111222-281)

Degree Program: BBA

Supervisor: Dr. Hafiz Ishfaq Ahmad

Marketing and Business Department

Bahria University Islamabad

Spring 2026

FINAL PROJECT APPROVAL SHEET

Open Defense Examination

Open Defense Date: 23 / 06 / 2026

Topic of Research: Bridge IT: Digital Internship Portal For
Student Placement

Names of Student(s):

Enroll #:

- Areeba Shakoor
- Zainab
- Sabaha Mir

01-111222-271
01-111222-261
01-111222-281

Class: BBA

Approved by:



Dr. Hafiz Ishfaq Ahmad
Supervisor

Qurat Ul Ain Waqar
Research Coordinator

Dr Qazi Subhan
Head of Department

ABSTRACT

The gap between academia and industry has become a major challenge for students, educational institutions, and organizations. Many students complete their academic studies without gaining practical industry experience, while companies often struggle to identify skilled graduates before they enter the job market. In addition, Final Year Projects (FYPs) are frequently developed for academic purposes only and have limited connection with real industry needs.

To address these challenges, **BridgeIT: Digital Internship Portal for Student Placement** was developed as a centralized web-based platform that connects students, faculty members, industry professionals, and administrators. The platform enables companies to post internship opportunities, freelance projects, and industry-based Final Year Projects. Students can browse and apply for projects, monitor their application status, communicate with industry professionals, and receive feedback upon project completion. Faculty members can review and approve FYP proposals, monitor student progress, and provide academic supervision, while administrators manage users, projects, and overall system activities.

The system was developed using the **Incremental Development Model** and implemented using **PHP, MySQL, HTML, CSS, Bootstrap, JavaScript, and XAMPP**. Role-Based Access Control (RBAC) was implemented to ensure secure access by providing different permissions to each user according to their role.

The developed platform successfully provides a single environment for industry-academia collaboration by integrating internship management, project collaboration, FYP supervision, communication, and feedback into one system. BridgeIT improves practical learning opportunities for students, simplifies project supervision for faculty members, and enables organizations to identify and recruit talented students before graduation. Overall, the proposed system contributes to reducing the gap between academic learning and industry requirements while enhancing graduate employability and collaboration between universities and the IT industry.

ACKNOWLEDGEMENT

In preparing this project, we were in contact with many people, researchers, academicians, and practitioners. They have contributed towards our understanding and thoughts. In particular, we wish to express our sincere appreciation to our main project supervisor, Dr. Hafiz Ishfaq, for encouragement, guidance, critics and friendship. Without their continued support and interest, this project would not have been the same as presented here.

The librarians of Bahria University deserve special recognition for their assistance in providing essential books. Our other classmates should also be acknowledged for their help. Our heartfelt gratitude goes out to all of our colleagues and individuals who have helped us on various occasions. Their perspectives and suggestions are quite beneficial. Unfortunately, there isn't enough room to list them all here. We are grateful to our whole family

. DEDICATION

This work is dedicated to our families, whose unfailing support, encouragement, and patience have been the cornerstone of our success. We also dedicate this effort to our friends and mentors who have supported us along our journey. Most importantly, we dedicate this effort to all students who want to connect with real-world opportunities and gain practical experience in information technology.

Table of Contents

Marketing and Business Department	1
ACKNOWLEDGEMENT	4
CHAPTER 1	11
INTRODUCTION & BACKGROUND.....	11
1.1 Introduction	11
1.2 Problem Statement.....	12
1.3 Project Objectives	13
1.4 Project Rationale / Justification.....	13
2.1 Introduction	15
2.2 Industry-Academia Collaboration.....	15
2.3 Project-Based Learning Theory	16
2.4 Computer Supported Cooperative Work (CSCW).....	16
2.5 Role-Based Access Control (RBAC).....	16
2.6 Communication and Feedback Model	17
2.7 Existing Systems and Gap Analysis.....	17
2.8 Theoretical Support for BridgeIT.....	18
2.9 Conclusion	18
Chapter 3.....	19
METHODS AND TECHNIQUES	19
3.1 Introduction	19
3.2 Procedure Adopted for Gathering Information	19
3.3 Tools Used to Analyze Information.....	21
3.4 Analysis of Information, Events, and Available Materials	24
3.5 Development Methodology	24

3.6	Domain Model.....	25
3.7	Entity Relationship Diagram with data dictionary.....	27
3.8	Class Diagram.....	27
3.9	Activity Diagram	28
3.9	Tools and Technologies Used.....	32
3.10	Time Schedule and Project Cost	32
3.11	CONCLUSION	37
CHAPTER 4		38
PROJECT OUTCOMES / RESULTS.....		38
4.1	Introduction	38
4.2	Project Outcomes	38
4.3	Findings of the Project.....	39
4.4	Results Achieved	39
4.5	User Response and Evaluation	41
4.6	Challenges Faced During Development.....	41
4.7	Overall Project Result	42
4.8	Summary.....	42
PROJECT CONTRIBUTIONS		43
5.1	Introduction	43
5.2	Student Development and Career Enhancement.....	43
5.3	Academic and Institutional Contributions	44
5.4	Industry Collaboration and Workforce Development	45
5.5	Operational Efficiency and Organizational Benefits.....	46
5.6	Academic and Professional Impact	47
5.7	Roles and Responsibilities.....	48

5.7.1 Requirement Gathering and Analysis.....	48
5.7.2 System Design	48
5.7.3 Frontend Development.....	48
5.7.4 Backend Development.....	49
5.7.5 Database Management	49
5.7.6 Testing and Quality Assurance	49
5.7.7 Documentation	49
5.7.8 Deployment and Maintenance	49
5.8 Summary.....	50
CHAPTER 6:.....	51
CONCLUSION AND LIMITATIONS	51
6.1 Conclusion	51
6.2 Limitations of the Project in Practice	52
6.2.1 Scope Limited to Conceptual and MVP-Level Design.....	52
6.2.2 Dependence on Secondary Data and Assumptions	52
6.2.3 Technical Limitations of the System	53
6.2.4 Simplified Administrative and Approval Workflows	53
6.3 Future Enhancements/Recommendations.....	54
APPENDIX	57

List of Figures

3.1	Use Case Diagram of Bridge IT	22
3.2	Domain Model Diagram of Bridge IT	24
3.3	Entity Relationship Diagram (ERD) of Bridge IT	25
3.4	Class Diagram of Bridge IT	26
3.5	Activity Diagram for University Admin	27
3.6	Activity Diagram for Faculty	28
3.7	Activity Diagram for Student	29
3.8	Activity Diagram for Industry Expert	30

List of Abbreviations

1.1	FYP	Final Year Project
1.2	ERD	Entity Relationship Diagram
1.3	DFD	Data Flow Diagram
1.4	API	Application Programming Interface
1.5	UI	User Interface
1.6	UX	User Experience
1.7	HTML	HyperText Markup Language
1.8	CSS	Cascading Style Sheets
1.9	PHP	Hypertext Preprocessor
2.0	SQL	Structured Query Language
2.1	MySQL	My Structured Query Language
2.2	RBAC	Role-Based Access Control
2.3	IT	Information Technology
2.4	MIS	Management Information Systems