

FINAL YEAR PROJECT REPORT LEARNING MANAGEMENT SYSTEM FOR SCHOOLS OF SINDH

In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)

By

ABDULLAH WAHEED SAIF UR REHMAN AHMED TANEES ADIL 54114 BSCS 54058 BSCS 54184 BSCS

SUPERVISED

BY

SIR.MUHAMMAD IQBAL

BAHRIA UNIVERSITY (KARACHI CAMPUS)

FALL-2022

DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

Signature: Halutten

Name : Abdullah Waheed

Reg No. : <u>02-134181-066</u>

Signature:

Name : Saif Ur Rehman

Reg No. : <u>02-134181-005</u>

Signature :

Name : Ahmed Tanees Adil

Reg No. : <u>02-134181-143</u>

Date : 13/ Jan / 2022

The copyright of this report belongs to Bahria University according to the Intellectual Property Policy of Bahria University BUORIC-P15 amended on April 2019. Due acknowledgement shall always be made of the use of any material contained in, or derived from, this report.

© 2019 Bahria University. All right reserved.

ACKNOWLEDGEMENT

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express our gratitude to our research supervisor, Mr M. Iqbal for his invaluable advice, guidance, and his enormous patience throughout the development of the research.

In addition, we would also like to express our gratitude to our loving parent and friends who had helped and given me encouragement.

LEARNING MANAGEMENT SYSTEM FOR SCHOOLS OF SINDH

ABSTRACT

Education is the basic and key factor growth and prosperity of any country. It is a primary requirement for any human to develop sense of moral values, ethics, and way of living. With the advancements in every sector there is a need for advancement in education sector also. To obtain the best we need to enhance the process of learning and evolve with time. Keeping in view the need of time and advancements there is a need for a system to communicate and manage the process of teaching and learning. A platform that will allow the teacher and admin to administrate the classroom and the individuals. This platform will ease the learning process for students and teachers. Due to the prevailing covid conditions, routine classes are disturbed and cannot commence due to the outbreak and social distancing, hence it is a must requirement nowadays. To continue the process of learning there is a dire requirement for a learning management system. The motive is to develop a system for educational institutes that will keep the record of every student. The portal will enable the teacher and administration staff to keep an eye on the student's performance. The lectures and assignments will be uploaded on the platform and evaluated accordingly. It can also be used to conduct online examination. The plan is to virtualize the classroom ambiance and carry an uninterrupted learning process.

TABLE OF CONTENTS

DECLA	2										
APPROVAL FOR SUBMISSION ACKNOWLEDGEMENT ABSTRACT TABLE OF CONTENTS LIST OF FIGURES											
						LIST OF TABLES					
						CHAPT	ER				
1	INTF	INTRODUCTION									
	1.1	Background	14								
	1.2	Problem Statements	14								
	1.3	Aims and Objectives	15								
	1.4	Scope of Project	15								
			17								
2		LITERATURE REVIEW									
	2.1	Literature Survey	17								
	2.2	Existing Systems	18								
	2.3	Analysis of the Research:	18								
3	DESI	DESIGN AND METHODOLOGY									
	3.1	Overview	19								
	3.2	Review of Approach and Project's Lifecycle:	19								
	3.3	Organizational Structure	20								
	3.4	Used Case Diagram	21								
	3.5	Development & Technology Stack	22								
	3.6	Features Our LMS Will Offer:	23								

				9		
	3.7	Projec	ted Outcome of The Project:	23		
	3.8		ved Design	24		
4	IMPI	LMENTA	TION	29		
	4.1					
	4.2	Projec	29			
	4.3		30			
		110,00	t's Framework:	31		
5	RESU	RESULTS AND DISCUSSIONS				
	5.1	Outcor	ne of the Project	32		
	5.2	GUI S	GUI Screenshots			
		5.2.1	Landing Page	33		
		5.2.2	Login Page	33		
		5.2.3	Admin Teacher Management Page	34		
		5.2.4	Admin Student Management Page	34		
		5.2.5	Admin Course Management Page	35		
		5.2.6	Teacher Dashboard Page	35		
		5.2.7	Teacher Lecture Page	36		
		5.2.8	Teacher Assignment Page	36		
		5.2.9	Teacher Quiz Page	37		
		5.2.10	Student Dashboard Page	37		
		5.2.11	Student Lecture Page	38		
		5.2.12	Student Assignment Page	38		
		5.2.13	Student Quiz Page	39		
	5.3	Survey	Survey Analysis			
	5.4	Applic	Application Comparison Table			
6	TEST		D EVALUATION	46		
	6.1	Testing		46		
		6.1.1	Unit testing	46		
		6.1.2	Integration testing	47		
		6.1.3	System testing	49 49		
	6.2	Accomplishment of Scope				