

PROJECT REPORT

ON



“AN ED-TECH PLATFORM”

FOR

MES’S INSTITUTE OF MANAGEMENT AND CAREER COURSES

(IMCC)

BY

VISHAL DILIP GUNJAL

SAVITRIBAI PHULE PUNE UNIVERSITY

MASTER IN COMPUTER APPLICATION

MAHARASHTRA EDUCATION SOCIETY’S

INSTITUTE OF MANAGEMENT AND

CAREER COURSES (IMCC) PUNE - 411038

2023 - 2024



MAHARASHTRA EDUCATION SOCIETY'S
(SINCE 1860)

INSTITUTE OF MANAGEMENT & CAREER COURSES (IMCC)

Approved by AICTE and Recognized by Savitribai Phule Pune University, Pune

131, Mayur Colony, Kothrud, Pune 411038, Maharashtra, India | Ph.: 020-25466271/73 | e-mail: info.imcc@mespune.in | <https://imcc.mespune.in/>

NAAC Accredited with Grade A+

Ref. No. MES IMCC / 399/ 2023 – 24/

Date: 13/04/2024

CERTIFICATE

This is to certify that the Project Report entitled

“StudyNotion An EdTech Platform”

is prepared by

Vishal Gunjal

M.C.A. Semester IV Course for the Academic Year 2023–24 at M.E. Society's Institute of Management & Career Courses (IMCC), Pune – 411038.

M.C.A Course is affiliated to Savitribai Phule Pune University.

To the best of our knowledge, this is original study done by the said student and important sources used by him/her have been duly acknowledged in this report.

The report is submitted in partial fulfillment of M.C.A Course for the Academic Year 2023–24 as per the rules and prescribed guidelines of Savitribai Phule Pune University.

Dr. Ravikant Zirmite

Head, Dept of MCA
MES IMCC

Dr. Santosh Deshpande

Director,
MES IMCC

Internal Examiner

External Examiner

CETIFICATE

This is certified that the student **Vishal D. Gunjal** has completed the project work entitled “***StudyNotion An EdTech Platform***” under my guidance. The report is submitted in partial fulfilment of M.C.A Course for the Academic Year 2023 – 2024 as per the rules & prescribed guidelines of Savitribai Phule Pune University.

His/Her work is found to be satisfactory and complete in all reports.

Dr. Shilpa Paralikar

(Internal Project Guide)

ACKNOWLEDGEMENT

I take great pride and pleasure in presenting the project report on “**StudyNation: An Ed-Tech Platform**” as required under the regulations of Savitribai Phule Pune University.

I am deeply grateful to my internal project guide, **Dr. Shilpa Paralikar and Mr. Shrikant Mhaske** for her invaluable guidance and constant supervision at every stage of the project. Without her support, the project would not have achieved its current shape and form. I extend my sincerest thanks to **Dr. Santosh Deshpande**, Director of MES’ IMCC, and **Dr. Ravikant Zirmite**, Head of the Department of MCA at MES’ IMCC, for their encouragement and for providing all the necessary facilities. I also express my gratitude to **Dr. Manasi Bhate**, Deputy Director of MES’ IMCC, for allocating adequate time for the project.

Finally, I am extremely thankful to the teaching and non-teaching staff for their kind and wholehearted cooperation.

Vishal D. Gunjal.

INDEX

Chapter No.	Description	Page No.
1.	Introduction	
	1.1 Company Profile / Institute Profile / Client Profile	1
	1.2 Abstract	3
	1.3 Existing System and Need for System	4
	1.4 Scope of System	6
	1.5 Operating Environment – Hardware and Software	9
	1.6 Brief Description of Technology Used 1.6.1 Operating systems used (Windows or Unix) 1.6.2 RDBMS/No SQL used to build (MySQL/ORACLE, Teradata, etc.)	13
2.	Proposed System	
	2.1 Study of Similar Systems	14
	2.2 Feasibility Study	16
	2.3 Objectives of Proposed System	18
	2.4 Users of System	21
3.	Analysis and Design	
	3.1 System Requirements (Functional and Non-Functional Requirements)	23
	3.2 Entity Relationship Diagram (ERD)	27
	3.3 Table Structure	28
	3.4 Use Case Diagram	34
	3.5 Class Diagram	38
	3.6 Activity Diagram	39
	3.7 Deployment Diagram	40
	3.8 Module Hierarchy Diagram	41

	3.9	Sample Input and Output Screens (Screens must have valid data)	42
4.	Coding		
	4.1	Algorithms	65
	4.2	Code snippets	67
5.	Testing		
	5.1	Test Strategy	84
	5.2	Unit Test Plan	86
	5.3	Acceptance Test Plan	87
	5.4	Test Case / Test Script	88
	5.5	Defect report / Test Log	96
6	Limitations of Proposed System		97
7	Proposed Enhancements		100
8	Conclusion		102
9	Bibliography		
10	Appendix		
	10.1	Cost Sheet	
	10.2	Data Sheet	
11	User Manual (All screens with proper description / purpose details about validations related to data be entered.)		

CHAPTER 1

INTRODUCTION

CHAPTER 2

PROPOSED SYSTEM

CHAPTER 3

ANALYSIS AND DESIGN

CHAPTER 4

CODING

CHAPTER 5

TESTING

CHAPTER 6
LIMITATION OF THE PROPOSED SYSTEM

CHAPTER 7
PROPOSED ENHANCEMENT

CHAPTER 8

CONCLUSION

CHAPTER 9

BIBLIOGRAPHY

CHAPTER 10
APPENDIX

CHAPTER 11

USER MANUAL