

# Tribhuvan University Faculty of Humanities and Social Science

#### "E KHAJA"

#### A PROJECT REPORT

# Submitted to Department of Computer Application Lumbini City College

# In Partial Fulfillment of the Requirements for the Bachelors in Computer Application

Submitted by:

Suman Khatri (T.U.Reg.No:-6-2-1134-60-2020)

Chitra Bahadur Thapa (T.U.Reg.No:-6-2-1134-42-2020)

Under the Supervision of

Mr. Suraj Khattri

## **Supervisor's Recommendation**

I hereby recommend that this project prepared under my supervision by Suman Khatri and Chitra Bahadur Thapa entitled "E KHAJA" in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

#### **SIGNATURE**

Suraj Khattri

#### **SUPERVISOR**

Faculty of Humanities and Social Sciences
Lumbini City College

Tilottama-4, Drivertole

#### **Abstract**

This project involves the development of a comprehensive framework tailored for the seamless operation of intricate applications, specifically centered around the "E KHAJA" online platform. "E KHAJA" revolutionizes the food industry by offering a virtual hub for culinary delights, connecting a diverse array of eateries with discerning customers seeking a convenient and delightful dining experience.

At its core, "E KHAJA" is an innovative solution for food enthusiasts, providing a digital marketplace where an eclectic range of gastronomic offerings converge. This platform boasts a diverse selection of culinary options, ensuring that customers can explore and savor an extensive array of dishes from various cuisines, all from the comfort of their homes.

Aiming to encapsulate convenience, quality, and choice, "E KHAJA" facilitates the easy ordering of meals from an assortment of restaurants, cafes, and eateries. The platform's commitment to excellence is evident not only in its culinary offerings but also in its dedication to prompt and efficient delivery services, ensuring that customers' appetites are satisfied in a timely manner.

"E KHAJA" embraces a user-centric approach, tailoring its interface to provide an intuitive and user-friendly experience. Customers can effortlessly navigate through a rich array of menus, make selections according to their preferences, and place orders with ease. The platform's mission is to redefine the dining experience by delivering not just food, but also an impeccable level of service that enhances every aspect of the journey.

Overall, "E KHAJA" embodies the modern era's culinary ethos, bringing together culinary excellence, convenience, and innovation under one digital roof. With a commitment to satisfying diverse palates, fostering a vibrant dining community, and elevating the food delivery landscape, "E KHAJA" is set to become the preferred destination for those seeking exceptional meals that celebrate flavor, variety, and the joy of culinary exploration.

#### Acknowledgement

We are immensely grateful as we reflect upon our journey at Lumbini City College, where our passions and curiosities in the realm of software development were nurtured and brought to fruition through this remarkable project. Our sincere appreciation is extended to Mr. Bishal Kandel, whose role as the Academic Coordinator proved indispensable; his astute guidance not only led us to the perfect project topic but also provided us with an array of invaluable resources, setting us on the right path.

A special mention of gratitude must also be reserved for our dedicated supervisor, Mr. Suraj Khattri, whose unwavering support and supervision played an integral role in shaping the project's trajectory. His profound insights not only enriched our understanding but also inspired us to surpass our own expectations.

Moreover, we cannot overlook the collective efforts of our friends, classmates, and all those who selflessly offered their guidance and assistance throughout this journey. Their contributions, both big and small, collectively propelled us towards the triumphant culmination of this endeavor. As we stand at the completion of this project, we carry forward not only a sense of accomplishment but also a deep appreciation for the collaborative spirit that embodies the ethos of Lumbini City College.

# Table of Contents

Chapter 1: Introduction	1
1.1 Introduction	1
1.2 Problem Statement	1
1.3 Objective	2
1.4 Scope and Limitation	2
Chapter 2: Background Study and Literature Review	3
2.1 Background Study	3
2.2 Literature Review	4
Chapter 3: System Analysis and Design	5
3.1 System Analysis	5
3.1.1. Requirement Analysis	5
i. Function Requirement	5
ii. Non- Function Requirement	7
3.1.2. Feasibility Analysis	7
i. Technical	7
ii. Operational	7
iii. Economic	8
iv. Schedule	8
3.1.3. Data Modelling (ER-Diagram)	9
3.1.4. Process Modelling (DFD)	10
3.2 System Design	11
3.2.1 Flowchart	11
3.2.2 Database Schema Design	12
Chapter 4: Implementation and Testing	13
4.1 Implementation	13

4.1.1 Tools	s used	13
4.1.2 Imple	ementation Details of Modules	13
4.2 Testing	Ţ	14
4.2.1 Unit	Testing	14
4.2.2 Syste	m Testing	15
Chapter 5: Con	nclusion and Future Recommendations	16
5.1 Lesson	Learnt / Outcome	16
5.2 Conclu	sion	16
5.3 Future	Recommendations	17
Appendices		18
Supervisor Log Sh	neet	21
References		22

#### **List of Abbreviations**

DFD - Data Flow Diagram

FAQ - Frequently Asked Questions

UI - User Interface

UX - User Experience

ER- Entity Relationship

VS Code - Visual Studio Code

## **List of Figures**

Fig-3.1: Use Case Diagram	6
Fig-3.2: Ganttchart	8
Fig-3.3: ER Diagram	9
Fig-3.4.1: Zero Level DFD	10
Fig-3.4.2: Level 1 DFD	10
Fig-3.5: Flowchart	11
Fig-3.6 Database Schema Design	12
Fig-4: Home Page	18
Fig-5: Login\Register Page	18
Fig-6: Shopping Cart	19
Fig-7: User Orders	19
Fig-8: Admin Panel	20

## **List of Tables**

Table-4.1: Test Cases for Unit Testing	. 14
Table-4.2: Test Cases for System Testing	. 15