

CERTIFICATE

This is to certify that **Harshdeep K. Goraviyala (21020201056)** a student of the Computer Engineering Department from Darshan University - Rajkot, has satisfactorily completed his project work on “**Online Electronics Store**” in a group consisting of **FOUR** persons under the guidance of **Prof. Neeraj H. Ahuja.**



Internal Guide

(Prof. Neeraj H. Ahuja)

Head of Department

(Prof. Chintan N. Kanani)

Darshan
UNIVERSITY
योग: कर्मसु कौशलम्

CERTIFICATE

This is to certify that **Gaurav R. Ida (21020201061)** a student of the Computer Engineering Department from Darshan University - Rajkot, has satisfactorily completed his project work on “**Online Electronics Store**” in a group consisting of **FOUR** persons under the guidance of **Prof. Neeraj H. Ahuja**.



Internal Guide

(Prof. Neeraj H. Ahuja)

Head of Department

(Prof. Chintan N. Kanani)

Darshan
UNIVERSITY
योग: कर्मसु कौशलम्

CERTIFICATE

This is to certify that **Karan K. Sonagara (21020201074)** a student of the Computer Engineering Department from Darshan University - Rajkot, has satisfactorily completed his project work on “**Online Electronics Store**” in a group consisting of **FOUR** persons under the guidance of **Prof. Neeraj H. Ahuja**.



Internal Guide

(Prof. Neeraj H. Ahuja)

Head of Department

(Prof. Chintan N. Kanani)

Darshan
UNIVERSITY
योग: कर्मसु कौशलम्

CERTIFICATE

This is to certify that **Khush K. Makwana (21020201090)** a student of the Computer Engineering Department from Darshan University - Rajkot, has satisfactorily completed his project work on “**Online Electronics Store**” in a group consisting of **FOUR** persons under the guidance of **Prof. Neeraj H. Ahuja**.



Internal Guide

(Prof. Neeraj H. Ahuja)

Head of Department

(Prof. Chintan N. Kanani)

Darshan
UNIVERSITY
योग: कर्मसु कौशलम्

EXAMINER'S CERTIFICATE OF APPROVAL

This is to certify that project report entitled **Online Electronics Store**

Student Name	Enrollment Number
Harshdeep K. Goraviyala	21020201056
Gaurav R. Ida	21020201061
Karan K. Sonagara	21020201074
Khush K. Makwana	21020201090

In Fulfillment for the award of the diploma in “**Computer Engineering**” of the Darshan University - Rajkot is hereby approved.

**Signature of
External Examiner**

**Signature of
Internal Examiner**



March – 2024

**DEPARTMENT OF COMPUTER ENGINEERING
DARSHAN INSTITUTE OF ENGG. & TECHNOLOGY FOR DIPLOMA STUDIES
RAJKOT-MORBI HIGHWAY, RAJKOT, GUJARAT**

ACKNOWLEDGEMENT

First of all, we thank the almighty for providing us strength and courage to present the project. We avail this opportunity to express our sincere gratitude towards **Prof. Chintan N. Kanani, Head of Computer Engineering Department** for permitting us to conduct the project.

We express our cavernous sense of obligation and gratitude to our Guide **Prof. Neeraj H. Ahuja** for his genuine guidance and constant encouragement throughout this project work. We are highly obliged to our honorable guide for providing us with such an opportunity to carry out research work under his continuous guidance.

Also, we are very thankful to Darshan University Computer Department faculties who supported us in getting our website ready. We also wish to express our heartfelt appreciation to our family, colleagues and many who have rendered their support for the successful works towards the completion of the research work, both explicitly and implicitly.

We also thank to our friends who suggested right way for the improvement of our project, they gave us complete support for the construction of our project according to guideline. We deeply acknowledge mutually to all project supporter for their never ending encouragement, moral support and patience during the preparation of this project.

Student Name	Enrollment Number
Harshdeep K. Goraviyala	21020201056
Gaurav R. Ida	21020201061
Karan K. Sonagara	21020201074
Khush K. Makwana	21020201090

ABSTRACT

Online Electronics Store proposes the development of an online electronics store, which aims to provide a convenient, competitive and comprehensive shopping experience to consumers looking for electronic devices. User can buy various electronics products like AC, mobile, laptop etc. In This Application, the user can register and then login with a valid e-mail address and password. User can view the product and its detailed description, if user likes the product, they can add the product to the Wishlist and If the user wants to buy the product, then they add the product to the cart and can buy the product from there. Payment of the order can be done through COD.

Table of Contents

Certificate	i
Acknowledgment	vi
Abstract	vii
Table of Contents	viii
Index	ix
List of Figures	x
List of Tables	xii

INDEX

Chapter No.	Sub Chapter No.	Content	Page No.
1		Introduction.....	1
	1.1	Problem Summary.....	1
2		Planning.....	2
	2.1	Model Description.....	2
	2.2	Risk Management.....	4
3		Detail Description.....	7
4		Diagrams.....	9
	4.1	Class Diagram.....	9
	4.2	Sequence Diagram.....	10
	4.3	Collaboration Diagram.....	12
	4.4	State Diagram.....	14
	4.5	Activity Diagram.....	16
	4.6	Use Case Diagram.....	18
	4.7	Data Flow Diagram.....	19
5		Data Dictionary.....	22
	5.1	Database Tables.....	22
	5.2	E-R Diagram.....	26
6		Screen Shots.....	27
7		Conclusion.....	50
8		Future Enhancement.....	51
9		References.....	52

List of Figures

Figure No.	Description of Figure	Page No.
Fig. 2.1	Iterative Waterfall Model	2
Fig. 4.1	Class Diagram of Online Electronics Store	9
Fig. 4.2.1	Sequence Diagram for Admin of Online Electronics Store	10
Fig. 4.2.2	Sequence Diagram for User of Online Electronics Store	11
Fig. 4.3.1	Collaboration Diagram for Admin of Online Electronics Store	12
Fig. 4.3.2	Collaboration Diagram for User of Online Electronics Store	13
Fig. 4.4.1	State Diagram for Product of Online Electronics Store	14
Fig. 4.4.2	State Diagram for Order of Online Electronics Store	15
Fig. 4.5.1	Activity Diagram for Admin of Online Electronics Store	16
Fig. 4.5.2	Activity Diagram for User of Online Electronics Store	17
Fig. 4.6	Use Case Diagram of Online Electronics Store	18
Fig. 4.7.1	Data Flow Diagram Level 0 of Online Electronics Store	19
Fig. 4.7.2	Data Flow Diagram Admin Level 1 of Online Electronics Store	20
Fig. 4.7.3	Data Flow Diagram User Level 1 of Online Electronics Store	21
Fig. 5.2	E-R Diagram of Online Electronics Store	26
Fig. 6.1	Log-In Screen	27
Fig. 6.2	Sign-Up Screen	28
Fig. 6.3	Home Screen	29
Fig. 6.4	Category's Product Screen	30
Fig. 6.5	Search Screen	31
Fig. 6.6	Product Detail Screen	32
Fig. 6.7	Empty View Recently Screen	33
Fig. 6.8	View Recently Screen	34
Fig. 6.9	Empty Wishlist Screen	35
Fig. 6.10	Wishlist Screen	36
Fig. 6.11	Empty Add to Cart Screen	37
Fig. 6.12	Add to Cart Screen	38
Fig. 6.13	Add New Address Screen	39

Fig. 6.14	Address Screen	40
Fig. 6.15	View Order Screen for User	41
Fig. 6.16	View Order Detail Screen for User	42
Fig. 6.17	Profile Screen	43
Fig. 6.18	Admin Home Screen	44
Fig. 6.19	Add New Product Screen	45
Fig. 6.20	Search Product Screen for Admin	46
Fig. 6.21	Update Product Screen	47
Fig. 6.22	View Order Screen for Admin	48
Fig. 6.23	View Order Detail Screen for Admin	49

List of Tables

Table No.	Table Description	Page No.
Table 5.1	Admin	22
Table 5.2	User	22
Table 5.3	Product	23
Table 5.4	Cart	23
Table 5.5	Wishlist	24
Table 5.6	Address	24
Table 5.7	Order	25