Department of Bachelor of Computer Application BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

Bhalerao Akash Bharat

Has successfully completed the summer internship project "Hotel Management System"

n the partial fulfillment of the requirement of Bachelor of Computer Application (BCA) ourse as expected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati ambhaji Nagar for Academic Year 2024-25.

Internal Examiner

N.D. NAJARDHANE

PRINCIPAL Sagar BCA College Prashanti Nagar, Jalna

This is to declare that this Summer Training Project report on "Hotel Management System" is a record of genuine work done by me under the guidance of DR. ASHISH KUMAR . in the partial fulfillment to the requirement for Bachelor of Computer Application I declare that this Summer Training project report is original and not submitted to anyother university before.

A.B. Bhalerod

Signature of the Student:

Student's Name: Bhalerao Akash Bharat

PRN No. 2022015200583632

Exam Seat No. CBCA061022

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

A.B.Bhalerad BHALERAO AKASH



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CHHATRAPATI SAMBHAJINAGAR.



SAGAR BCA COLLEGE

DEVMURTI TQ. DIST. JALNA.

PROJECT REPORT ON

"Financial Management System"

SUBMITTED TO

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CHHATRAPATI SAMBHAJINAGAR.

UEDER THE GUIDANCE OF

SUBMITTED BY

Prof. Dr. Ashish Kumar

Miss. Monali Suresh Gaikwad

(HOD B.C.A)

B.C.A. (TY VI SEM) YEAR 2024-25

This is to declare that this summer Training Project Report on "Financial Management System" is a record of genuine work done by me under the guidance of Prof. Dr. Ashish Kumar (HOD B.C.A.) in the partial fulfillment to the requirement of B.C.A.

I declare that this summer training project report is original and not submitted to any other university before.

Place – Devmurti (Jalna)

Date - 28/04/2025

Signature of Student

Student Name- Monali Suresh Gaikwad

PRN No - 2020015200151577

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY CHHATRAPATI SAMBHAJINAGAR.

SAGAR BCA COLLEGE DEVMURTI TQ. DIST. JALNA.

CERTIFICATE

THIS IS TO CERTIFY THAT THE FOLLOWING STUDENT

MONALI SURESH GAIKWAD

HAS SUCCESSFULLY COMPLETED THE SUMMER

INTERNSHIP PROJECT

"Financial Management System"

In the partial fulfillment of the requirement to the B.C.A. COURSE AS EXPERTED BY DR. BABASAHEB AMEDKAR MARATHWADA UNIVERSITY Chhatrapati Sambhajinagar for Academic YEAR 2024-25.

External Examiner

Internal Examiner

PRINCIPAL Sagarifica Sallege Prashanti Nagar, Jelna

(Prof. Najardhane ND)

ACKNOWLEDGEMENT

I have great pleasure in presenting this project entitled "Financial Management System" and I grab this opportunity to convey my immense regards towards all the people who with their invaluable contributions made this project successful.

It gives me great pleasure in presenting this project report. Its justification will never complete if I don't express my vote of thanks to our SAGAR BCA College, Devmurti and Principle Prof. Najardhane ND.

I sincerely thank and express my profound gratitude to our project guide for timely and prestigious guidance required for the project completion at each phase of the project development. I would also like to thank my mentors, friends for the support and assistance in the project.

I also owe to my friends who have been a constant source of help to solve the problems that cropped up during the development of the project, positive criticism, suggestions, constant support, encouragement and guidance force towards the successful completion of the project.

Miss. Monali Suresh Gaikwad

INDEX

1. Introduction	
1.1 Company Profile	5
1.2 Need for System	6
2. Analysis	
2.1 Existing System	8
2.2 Proposed System	9
2.3 Software / Hardware Requirement Specification	10
24 Scope of Project	11
3. Design	
3.1 Data Flow Diagram	12
3.2 Entity Relationship Diagram	14
3.4 Database Design	15
4. Implementation	13
4.1 User Interface	23
5. Performance Evaluation	23
5.1 System Testing	25
5.2 Black Box Testing	29
5.3 Testing Strategy	30
6. Appendix A: Report Snapshot	, 30
6.1 Student Registration	2.1
6.2 Course wise Registration Student	31
6.3 Report for Collection	31
	31
7. Conclusion	37

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "SERVICE MARKETING"

Submitted To
UNDER THE GUIDANCE OF
DR. ASHISH KUMAR

Submitted by

GAWAI NIKHIL PARMESHWAR BCA TY

Year 2024-25

Department of Bachelor of Computer Application BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

GAWAI NIKHIL PARMESHWAR

Has successfully completed the summer internship project

"SERVICE MARKETING"

ne partial fulfillment of the requirement of Bachelor of Computer Application (BCA) se as expected by **Dr. Babasaheb Ambedkar Marathwada University**, **Chatrpati bhaji Nagar** for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE

PRINCIPAL Sagar BCA College Prashanti Nagar,Jalna

This is to declare that this Summer Training Project report on "Service Marketing" is record of genuine work done by me under the guidance of DR. ASHISH KUMAR in the partial fulfillment to the requirement for Bachelor of Computer Application I declare hat this Summer Training project report is original and not submitted to anyother university before.

Signature of the Student:

student's Name: Gawai Nikhil Parmeshwar

'RN No. 2022015200219896

Exam Seat No. CBCA061027

<u>ACKNOWLEDGEMENT</u>

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

(GAWAI NIKHIL

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "PRODUCT AUCTION SYSTEM"

Submitted To

UNDER THE GUIDANCE OF

DR. ASHISH KUMAR

Submitted by

PADGHAN RITESH SAHEBRAO BCA TY

Year 2024-25

Department of Bachelor of Computer Application BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

Padghan Ritesh Sahebrao

Has successfully completed the summer internship project "PRODUCT AUCTION SYSTEM"

he partial fulfillment of the requirement of Bachelor of Computer Application (BCA) rse as expected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati nbhaji Nagar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE

PRINCIPAL Sagar BCA College Prashanti Nagar, Jaina

This is to declare that this Summer Training Project report on "Product Auction System" is a record of genuine work done by me under the guidance of DR. ASHISH KUMAR . in the partial fulfillment to the requirement for Bachelor of Computer Application I declare that this Summer Training project report is original and not submitted to anyother university before.

R. S. Padghan

Signature of the Student:

Student's Name: Padghan Ritesh Sahebrao

PRN No. 2022015200583945

Exam Seat No. CBCA061036

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

PADGHAN RITESH

Product Auction

CONTENTS

DESC	RIP	TIC	N:
Witness Company			

A CONTRACT OF THE PROPERTY OF	
1. Organization Profile	5
2. Problem Identification/Definition	7
3. Preliminary Planning/Investigation Existing System Proposed System and its need Objectives of the System	8-12
4. Feasibility Study Technical Feasibility Economical Feasibility Operational Feasibility	13-14
5. System Analysis Analysis of Present System Analysis of System Requirements	15-16
6. System Design E-R Diagrams Data Flow Diagrams (DFDs) Details of database tables and structure of files if a State Diagram Include the Algorithmic procedure for project soft	
7. System Implementation Choosing a Language/Package S/W and H/W Environment	32-51
8. Reports Coding Data Entry Screens Output Results	52-74
9. System Testing Test Data should be provided and it must be realis	75-80
10. Conclusion	81
11. Bibliography	82

3

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "Online Portal For Survey and Polling System"

Submitted To
UNDER THE GUIDANCE OF
DR. ASHISH KUMAR

Submitted by

KAKDE SHRAVAN LAXMAN BCA TY

Year 2024-25

Department of Bachelor of Computer Application BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

Kakde Shravan Laxman

Has successfully completed the summer internship project "Online Portal For Surey and Polling System"

ie partial fulfillment of the requirement of Bachelor of Computer Application (BCA) se as expected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati bhaji Nagar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE
PRINCIPAL
Sagar BCA College
Prashanti Nagar, Jaina

This is to declare that this Summer Training Project report on "Online Portal For Surey and Polling System" is a record of genuine work done by me under the guidance of DR. ASHISH KUMAR

in the partial fulfillment to the requirement for Bachelor of Computer Application I declare hat this Summer Training project report is original and not submitted to anyother university before.

Silicarcalp.

ignature of the Student:

tudent's Name: Kakde Shravan Laxman

RN No. 2022015200584136

xam Seat No. CBCA061030

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

> S.L. Kakade, KAKDE SHRAVAN

CONTENTS

TOPICS	PAGE
<i>NO.</i>	17,02
4. 41	
1. Abstract	1
2. Introduction	2
3. Purpose	2
4. Modules	3
5. Aims and Objectives	3
6. Product Prospective	4
7. Feasibility Study	5
8. Database Tables	7
9. ERD Diagram	10
10. DFD Diagram	11
11. Use Case Diagram	
12. Source Codes with Screenshots	12
13. Features of Project	13
	62
14. Future Scope and Conclusion	62
15. Conclusion and Bibliography	63

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "A Sample Document for Generating Consistent Professional Reports"

Submitted To
UNDER THE GUIDANCE OF
DR. ASHISH KUMAR

Submitted by

MHASKE JYOTI ARUN BCA TY

Year 2024-25

Department of Bachelor of Computer Application BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

MHASKE JYOTI ARUN

Has successfully completed the summer internship project
"A Sample Document for Generating Consistent Professional
eports"

the partial fulfillment of the requirement of Bachelor of Computer Application (BCA) are as expected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati nbhaji Nagar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE

PRINCIPAL
Sagar BCA College
Prashanti Nagar, Jalna

This is to declare that this Summer Training Project report on "A Sample Document for Generating Consistent Professional Reports" is a record of genuine work done by me under the guidance of DR. ASHISH KUMAR

. in the partial fulfillment to the requirement for Bachelor of Computer Application I declare that this Summer Training project report is original and not submitted to anyother university before.

Signature of the Student:

Student's Name: Mhaske Jyoti Arun

PRN No. 2022015200228261

Exam Seat No. CBCA061034

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

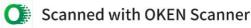
This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

MHASKE JYOTI



DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "Online Airline Reservation System"

Submitted To
UNDER THE GUIDANCE OF
DR. ASHISH KUMAR

Submitted by

SAPKAL ARVIND SAMADHAN BCA TY

Year 2024-25

Department of Bachelor of Computer Application
BCA (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

SAPKAL ARVIND SAMADHAN

Has successfully completed the summer internship project

"Online Airline Reservation System"

partial fulfillment of the requirement of Bachelor of Computer Application (BCA) as expected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati haji Nagar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE **PRINCIPAL**

Principal

Sagar BCA College Prashanti Nagar, Jaina

This is to declare that this Summer Training Project report on "Online Airline

Reservation System" is a record of genuine work done by me under the guidance of DR. ASHISH KUMAR

. in the partial fulfillment to the requirement for Bachelor of Computer Application I declare that this Summer Training project report is original and not submitted to anyother university before.

Signature of the Student:

AsaPkal

Student's Name: Sapkal Arvind Samadhan

PRN No. 2022015200227474

Exam Seat No. CBCA061038

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. ASHISH KUMAR

who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

(SAPKAL ARVIND)

Online Airline Reservation System

Chp#	TABLE OF CONTENTS	Page
1	Vision Document	
1		9
	1, Introduction	10
	1.1 Purpose And Motivation	10
	1.2 Project Overview	10
contribute	2. Overall Product Description	10
	2.1 Product Perspective	10
	2.2 Product Features	17
	2.3 User Characteristics	20
	2.4 Constraints	20
	1. Introduction	27
	2. Architecture Of The Airline Reservation System	27
3	Component Design	31
	1. Introduction And Purpose	32
The second secon	2. Class Diagram	32
4	Test Plan	37
	1. Test Plan Identifier	38
	2. Introduction	38
	2.2 Objectives	41
	2.3 Definitions	42
	3. Test Items	42
	4. Approach	42
	5. Test Cases	44
	6. Pass Or Fail Criteria	45
	7. Suspension Criteria And Resumption Requirements	45
	7.1 Suspension Criteria	45
1	7.2 Resumption Requirements	45
	8. Test Deliverables	46
5	Assessment Evaluation	47
	1. Introduction	48
	2. Test Case Result Summary	48
	3. Detailed Test Result	48
6	User Manual	52
	1. Introduction	53
	1. Required Software	53



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY CHIIATRAPATI SAMBHAJINAGAR



Sagar BCA College

Devmurti Ta. Dist. Jalna

PROJECT REPORT ON

E-commerce Shopping Website

SUBMITTED TO

DEPARTMENT OF COMPUTER SCIENCE

UNDER THE GUIDANCE OF

SUBMITTED BY

Prof. Dr. Lalit Kumar Tripathi

PAVAN KHANDAGALE

(HOD B. sc. Computer science)

BSC COMPUTER SCIENCE (TY VI SEM)YEAR 2024-25

This is to declare that this summer training project report on E-commerce shopping Website. is a record of genuine work done by me under the guidance of Peof. Dr. Lalit Kumar Tripathi (HOD B.SC. Computer science) in the partial fulfillment to the requirements of BSC COMPUTER SCIENCE

I declare that this summer training project report is original and not submitted to any other university before.

Signature of the Student

Student Name- Pavan Khandagale

PRN No- 2021015200806456

Date: - 2004/2025

Sagar B.C.A. College Devmurti Ta. Jalna, Dist. Jalna

CERTIFICATE

THIS IS TO CERTIFY THAT THE FOLLOWING STUDENT

Pavan Sudhakar Khandagale

HAS SUCCESSFULLY COMPLETED THE SUMMER INTERNSHIP PROJECT

E-commerce Shopping Website

In the partial fulfillment of the requirements to the BSC COMPUTER SCIENCE COURSE AS EXPECTED BY DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY Chhatrapati Sambhajinagar for Academic YEAR 2024-25

Butte

they I miner

(Prof.Najardhane ND)
PRINCIPAL

Prashanti Nagar, Jaina

ACKNOWLEDGEMENT

I have great pleasure in presenting this project entitled "E-Commerce Shopping Website and I grab this opportunity to convey my immense regards towards all the people who with their invaluable contributions made this project successful.

It gives me great pleasure in presenting this project report. Its justification will never complete if I don't express my vote of thanks to our <u>SAGAR BCA College</u>, <u>Devmurtti</u> and <u>Principal <u>Prof.</u> <u>Najardhane ND</u></u>

I sincerely thank and express my profound gratitude to our Project Guide for timely and prestigious guidance required for the project completion at each phase of the project development. I would also like to thank my mentors, friends for the support and assistance in the project.

I also owe to my **friends** who have been a constant source of help to solve the problems that cropped up during the development of the project, positive criticism, suggestions, constant support, encouragement and guidance force towards the successful completion of the project.

(Pavan Khandagale)

4

TABLE OF CONTENTS

SERIAL NO	TOPIC	PAGE NO.
The second secon	Introduction	
2	Project Title	
3	Identification of Need	
4	Project Objectives	
5	Scope and Features	
6	System Architecture	
7	User Roles	
8	Use Cases	
9	Data Model	
10	Technology Stack	
11	Feasibility Study	
12	Testing and Quality Assurance	
13	User Interface Design	
14	Program Structure And Code	
15	Data Flow Diagram	
16	Conclusion	



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY CHHATRAPATI SAMBHAJINAGAR



Sagar BCA college

Devmurti Tq. Dist. Jalna

PROJECT REPORT ON HOSPITAL MANAGEMENT SYSTEM PROJECT

SUBMITTED TO

DEPARTMENT OF COMPUTER SCIENCE

UNDER THE GUIDANCE OF

SUBMITTED BY

Prof. Dr. Lalit Kumar Tripathi

JAYKUMAR MORE

(HOD B. sc. Computer science)

BSC COMPUTER SCIENCE (TY VI SEM)YEAR 2024-25

This is to declare that this Summer Training Project report on HOSPITAL MANAGEMENT SYSTEM PROJECT is a record of genuine work done by me under the guidance of <u>Prof. Dr. Lalit Kumar Tripathi (HOD B. sc. Computer science)</u> in the partial fulfillment to the requirements of BSC COMPUTER SCIENCE

I declare that this summer training project report is original and not submitted to any other university before.

Laymore.

Signature of the Student

Student name - JAYKUMAR MORE

PRN NO -2022015200219382

ce:Devmurti

te: 20/04/ 2025

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

Sagar B.C.A. College Devmurt i Ta. Jalna, Dist. Jalna

CERTIFICATE

THIS IS TO CERTIFY THAT THE FOLLOWING STUDENT

JAYKUMAR TANAJI MORE

HAS SUCCESSFULLY COMPLETED THE SUMMER INTERNSHIP PROJECT

HOSPITAL MANAGEMENT SYSTEM PROJECT

In the partial fulfillment of the requirements to the BSC COMPUTER

SCIENCE COURSE AS EXPECTED BY DR. BABASAHEB AMBEDKAR

MARATHWADA UNIVERSITY Chhatrapati Sambhajinagar for

Academic YEAR 2024-25.

External Examiner

International States

Nincipal

(Prof.Najardhane ND)

PRINCIPAL Sagar BCA College Prashanti Nagar, Jaina

ACKNOWLEDGEMENT

I have great pleasure in presenting this project entitled HOSPITAL MANAGEMENT SYSTEM PROJECT and I grab this opportunity to convey my immense regards towards all the people who with their invaluable contributions made this project successful.

It gives me great pleasure in presenting this project report. Its justification will never complete if I don't express my vote of thanks to our <u>SAGAR BCA College</u>, <u>Devmurtti</u> and Principal <u>Prof. Najardhane ND</u>

I sincerely thank and express my profound gratitude to our Project Guide for timely and prestigious guidance required for the project completion at each phase of the project development. I would also like to thank my mentors, friends for the support and assistance in the project.

I also owe to my **friends** who have been a constant source of help to solve the problems that cropped up during the development of the project, positive criticism, suggestions, constant support, encouragement and guidance force towards the successful completion of the project

(JAYKUMAR MORE)

AN PROJECT REPORT ON HOSPITAL MANAGEMENT SYSTEM PROJECT

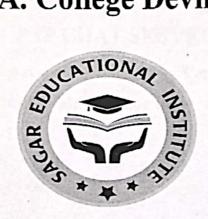
TABLE OF CONTENTS

1.1 Introduction:	2
1.2 Problem Introduction:	
1.3 Goals	
1.4 Objective	2
1.5 Scope of the Project	3
1.6 Modules	3
1.7 Views	3
1.8 Viewpoints	4
1.9 Perspective	5
1.10 Implementation	
1.11 Diagrams	
Use Case Diagram	
Activity Diagram	
Class Diagram	8
Communication Diagram	8
Component Diagram	8
Deployment Diagram	9
ER-Diagram	10
Package Diagram	10
Sequence Diagram	12
State Diagram	13
1.12 Selected Pattern	
1.13 Architecture Diagram	13
1.14 REASON FOR CHOOSING LAYERED PATTERN	14
1.15 Conclusion and Reference	15

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,CHATRAPATI SAMBHAJI NAGAR



Sagar B.C.A. College Devmurti, Jalna



A Project Report On "TCP IP CHAT SERVER"

Submitted To
UNDER THE GUIDANCE OF
DR. LALIT KUMAR TRIPATHI

Submitted by

ZINE NIKITA DIGAMBAR BCS TY

Year 2024-25

Department of Bachelor of Computer Science BCS (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

Zine Nikita Digambar

Has successfully completed the summer internship project

"TCP IP CHAT SERVER"

the partial fulfillment of the requirement of Bachelor of Computer Science (BCS) course as cpected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati Sambhaji agar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE
PRINCIPAL
Sagar BCA College
Prashanti Nagar Jalna

This is to declare that this Summer Training Project report on "TCP IP CHAT SERVER" is a record of genuine work done by me under the guidance of DR. LALIT KUMAR TRIPATHI

. in the partial fulfillment to the requirement for Bachelor of Computer Science I declare that this Summer Training project report is original and not submitted to anyother university before.

Signature of the Student:

Student's Name: Zine Nikita Digambar

PRN No. 2020015200543056

Exam Seat No. NCS061091

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. LALIT KUMAR TRIPATHI who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

(ZINE NIKITA)

Department of Bachelor of Computer Science BCS (TY VI Sem)

CERTIFICATE

This is to certify that, the following student

Patavkar Sakshi Gajanan

Has successfully completed the summer internship project

"Project Management Software Testing"

ne partial fulfillment of the requirement of Bachelor of Computer Science (BCS) course as ected by Dr. Babasaheb Ambedkar Marathwada University, Chatrpati Sambhaji ar for Academic Year 2024-25.

External Examiner

Internal Examiner

N.D. NAJARDHANE PRINCIPAL Sagar BCA College Prashanti Nagar, Jaina

This is to declare that this Summer Training Project report on "Project Management Software Testing" is a record of genuine work done by me under the guidance of DR. LALIT KUMAR TRIPATHI in the partial fulfillment to the requirement for Bachelor of Computer Science I declare that his Summer Training project report is original and not submitted to anyother university efore.

ignature of the Student:

tudent's Name: Patavkar Sakshi Gajanan

RN No. 2022015200227211

xam Seat No. NCS061083

ACKNOWLEDGEMENT

While conducting this report, I got support in many ways from many people .First I am deeply grateful to my project guide, DR. LALIT KUMAR TRIPATHI who helped me with full devotion and always supported me earnestly whenever it was needed. Without his guidance, mental & moral support and academic inputs this report was not possible.

This Training report could never have seen the light of the day without his co-operation of those Clients who participated in this. I am Thankful to all of them for giving me their valuable time.

My friends have been biggest support for me at every juncture of life. They manifested their great interest in my research work also and always tried to make thingseasy for me.

A word of gratitude goes to my family members whose love; affection and understanding have enabled me to complete this end with ease.

At the end, I thank to Almighty for giving me courage and strength to conduct this project report.

(<u>PATAVKAR SAKSIII</u>)



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY CHHATRAPATI SAMBHAJINAGAR



Sagar BCA College

Devmurti Ta. Dist. Jalna

PROJECT REPORT ON

E-commerce Website

(RIO-MANIA)

SUBMITTED TO

DEPARTMENT OF COMPUTER SCIENCE

UNDER THE GUIDANCE OF

SUBMITTED BY

Prof. Dr. Lalit Kumar Tripathi

SATYAM MANGATE

(HOD Bsc. Computer science)

BSC COMPUTER SCIENCE (TY VI SEM) YEAR 2024-25

This is to declare that this Summer Training Project report on Ecommerce Website (RIO-MANIA) is a record of genuine work done by me under the guidance of Prof. Dr. Lalit Kumar Tripathi (HOD B. sc. Computer science) In the partial fulfillment to the requirements of BSC COMPUTER SCIENCE

I declare that this summer training project report is original and not submitted to any other university before.

ace: Devmurti

ate: 20/04/2025

Signature of the Student

Student name – Satyam Mangate

PRN NO -2021015200806472

DR, BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

Sagar B.C.A. College Devmurti Ta. Jalna, Dist. Jalna

CERTIFICATE

THIS IS TO CERTIFY THAT THE FOLLOWING STUDENT

SATYAM SOMNATH MANGATE

HAS SUCCESSFULLY COMPLETED THE SUMMER INTERNSHIP PROJECT

E-commerce Website (RIO-MANIA)

In the partial fulfillment of the requirements to the BSC COMPUTER SCIENCE COURSE AS EXPECTED BY DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY Chhatrapati Sambhajinagar Academic YEAR 2024-25

(Prof. Najardhane ND) PRINCIPAL Sagar BCA College Prashanti Nagar, Jalna

ACKNOWLEDGEMENT

I have great pleasure in presenting this project entitled "E-Commerce Website (Rio-Mania)" and I grab this opportunity to convey my immense regards towards all the people who with their invaluable contributions made this project successful.

It gives me great pleasure in presenting this project report. Its justification will never complete if I don't express my vote of thanks to our SAGAR BCA College, Devmurti and Principal Prof. Najardhane ND

I sincerely thank and express my profound gratitude to our Project Guide for timely and prestigious guidance required for the project completion at each phase of the project development. I would also like to thank my mentors, friends for the support and assistance in the project.

I also owe to my friends who have been a constant source of help to solve the problems that cropped up during the development of the criticism, suggestions, positive constant support, project, encouragement and guidance force towards the successful completion of the project.

(SATYAM MANGATE)

Index

<u>SR.</u> <u>NO.</u>	<u>TOPIC</u>	PAGE NO.
1.	Acknowledgement	4
2.	Description of Current System	6
3.	Limitations of the Current System	7
4.	Technologies Used	10-11
5.	Use case Diagram & Basic Scenarios	12-13
6.	Activity Diagram	14
7.	Entity-Relationship Diagram	15
8.	Test Cases	16-24
9.	Images	25-26
10.	references	27



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY CHHATRAPATI SAMBHAJINAGAR



Sagar BCA college

Devmurti Tq. Dist. Jalna

PROJECT REPORT ON MUSIC PLAYER APPLICATION (CLOUD MUSIC PLAYER)

SUBMITTED TO

DEPARTMENT OF COMPUTER SCIENCE

UNDER THE GUIDANCE OF

Prof. Dr. Lalit Kumar Tripathi

SHARDUL BADARE

(HOD B. sc. Computer science)

BSC COMPUTER SCIENCE (TY VI SEM) YEAR 2024-25

This is to declare that this Summer Training Project report on MUSIC PLAYER APPLICATION (CLOUD MUSIC PLAYER is a record of genuine work done by me under the guidance of Prof. Dr. Lalit Kumar Tripathi (HOD B. sc. Computer science) in the partial fulfillment to the requirements of BSC COMPUTER SCIENCE

I declare that this summer training project report is original and not submitted to any other university before.

Student name - SHARDUL BADARE

PRN NO -2022015200219834

ace:Devmurti

ite: 20/04/ 2025

Sagar B.C.A. College Devmurt i Ta. Jalna, Dist. Jalna

CERTIFICATE

THIS IS TO CERTIFY THAT THE FOLLOWING STUDENT

SHARDUL RATNARAJ BADARE

HAS SUCCESSFULLY COMPLETED THE SUMMER INTERNSHIP PROJECT

MUSIC PLAYER APPLICATION (CLOUD MUSIC PLAYER)

In the partial fulfillment of the requirements to the BSC COMPUTER

SCIENCE COURSE AS EXPECTED BY DR. BABASAHEB AMBEDKAR

MARATHWADA UNIVERSITY Chhatrapati Sambhajinagar for

Academic YEAR 2024-25.

Ratti External Examiner nt visit in inter

Principal

(Prof.Najardhane ND)

PRINCIPAL Sagar BCA College Prashanti Nagar, Jaina

ACKNOWLEDGEMENT

I have great pleasure in presenting this project entitled MUSIC LAYER APPLICATION (CLOUD MUSIC PLAYER) and I grab his opportunity to convey my immense regards towards all the people the with their invaluable contributions made this project successful.

t gives me great pleasure in presenting this project report. Its ustification will never complete if I don't express my vote of thanks to ur <u>SAGAR BCA College</u>, <u>Devmurtti</u> and <u>Principal Prof.</u> Vajardhane ND

sincerely thank and express my profound gratitude to our Project Juide for timely and prestigious guidance required for the project ompletion at each phase of the project development. I would also like o thank my mentors, friends for the support and assistance in the project.

also owe to my **friends** who have been a constant source of help to olve the problems that cropped up during the development of the project, positive criticism, suggestions, constant support, encouragement and guidance force towards the successful completion of the project.

(SHARDUL BADARE)

<u>INDEX</u>

<u>SR.</u> <u>NO.</u>	TOPIC	PAGE NO.
1.	Description of System	7
2.	Limitations of present system	7
3.	Proposed system and its Advantages	8-9
4.	Technologies Used	09-10
5.	Stakeholder	11
6.	Entity-Relationship Diagram	11
7.	Use case Diagram and Basic Scenarios & Use Case Description	12-13
8.	Activity Diagram	14
9.	Test Cases	15-18
10.	Screenshot	19
11.	Bibliography & References	20