

RETAIL STORE CUSTOMER TRAFFIC MONITORING

*Project report submitted
In partial fulfillment of the requirement for the degree of*

**Bachelor's in Computer Application
By**

**Milind Singh Shekhawat (2001060001)
Ishan Abrol (2001060009)**

&

**Bachelor of Science
In
Data Science
By**

Neeraj Singh Guleria (2001840009)

Under the guidance of

**Dr. Pallavi Pandey
Assistant Professor – Engineering & Technology**



Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

School of Engineering & Technology

K. R. MANGALAM UNIVERSITY, GURUGRAM - 122003

June-2023

DECLARATION

We declare that this written submission represents our ideas in our own words and where other's ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed. We further declare that if any violation of the intellectual property right or copyright, my supervisor and university should not be held responsible for the same.

Milind Singh Shekhawat	2001060001
Ishan Abrol	2001060009
Neeraj Singh Guleria	2001840009


(Signature)

Place: K.R. Mangalam University

Date: 05th June 2023


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

CERTIFICATE

It is certified that the work contained in the project report titled "Retail Store Customer Traffic Monitoring" by the following students:


Name of the Student:


Roll Number:

Milind Singh Shekhawat
Ishan Abrol
Neeraj Singh Guleria

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2001840009

has been carried out under our/my supervision and that this work has not been submitted elsewhere for a degree.


DEAN
School of Engineering & Technology (SOET)
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(Signature of Supervisor)
Dr. Pallavi Pandey
Assistant Professor

Date: - 05th July 2023

Place: - K.R. Mangalam University


Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

ACKNOWLEDGEMENT

**“Enthusiasm is the feet of all progress, with it there is accomplishment and
Without it there are only slits alibis.”**

Acknowledgment is not a ritual but is certainly an important thing for the successful completion of the project. At the time when we were made to know about the project, it was really tough to proceed further as we were to develop the same on a platform, which was new to us. More so, the coding part seemed tricky that it seemed to be impossible for us to complete the work within the given duration.

We really feel indebted in acknowledging the organizational support and encouragement received from the university.

The task of developing this system would not have been possible without the constant help of our faculty members and friends. We take this opportunity to express our profound sense of gratitude and respect to those who helped us throughout the duration of this project.

We express our gratitude to our supervisors Mr. Ashwani Kumar for giving their valuable time and guidance to us.

Place: - K.R. Mangalam University

Date: -05th July 2023

**Milind Singh Shekhawat
Ishan Abrol
Neeraj Singh Guleria**



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GYM WEBSITE

Project report submitted
In partial fulfillment of the requirement for the degree of

Bachelor of Computer Application

By

SACHIN PAL (2001060005)

RAHUL TANWAR (2001060003)

BHAVISHYA YADAV (2001060006)

Under the guidance of

Mrs Tanu Gupta



School of Engineering & Technology

K. R. Mangalam University, Gurugram - 122003

June-2023

Registrar
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SACHIN PAL (2001060005) *Sachin*

RAHUL TANWAR (2001060003) *Rahul*

BHAVISHYA YADAV (2001060006) *Bhavishya*

J.P.

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Place: K.R. Mangalam University

Date: 8 JUNE 2023

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It is certified that the work contained in the project report titled "Gym Website" by the following students:

Name of the Students :

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RAHUL TANWAR (2001060003)

BHAVISHYA YADAV (2001060006)

has been carried out under our/my supervision and that this work has not been submitted elsewhere for a degree.

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Mrs Tanu Gupta

Date: - 8 JUNE 2023

Place: - K.R. Mangalam University


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We express our gratitude to our supervisors Mrs Tanu Gupta for giving their valuable time and guidance to us.

Place: - K.R. Mangalam University

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Name of Student

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User Interface Design

Project report submitted

In partial fulfillment of the requirements of the degree of

Bachelor of Computer Applications

in

Computer Science & Engineering

by

Vikash

1801060009

Chetan

1801060010

Under the Supervision of

Dr. Neeraj Gupta



SCHOOL OF ENGINEERING AND TECHNOLOGY

K. R. MANGALAM UNIVERSITY, GURUGRAM, HARYANA, INDIA

JULY, 2021

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CERTIFICATE

It is certified that the work contained in the project report titled "User Interface Design," by the following students:

Name of the Student

Vikash *Vikash*
Chetan *Chetan*

Roll Number

1801060009

1801060010

This is to Certify that above titled "User Interface Design" has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

Neeraj

Neeraj Gupta,
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J. J.

Registrar

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DECLARATION

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(Name of the student)

(Roll No.)

(Signature)

Vikash

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(Signature)

Chetan

1801060010

Chetan

Date: July 2, 2021

(Signature)

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APPROVAL SHEET

This project report entitled **User Interface Design** by **Vikash & Chetan** is approved for the degree of **Bachelor of Computer Application**, School of Engineering and Technology, K.R. Mangalam University

DEAN
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Dr. Vineet Dahiya

Supervisor *Neeraj*
Dr. Neeraj Gupta
(Associate Professor)

Date: July 2, 2021
Place: Gurugram

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Sohna Road, Gurugram, (Haryana)

Web Development

Project report submitted

In partial fulfillment of the requirements of the degree of

Bachelor of Computer Applications

in

Computer Science

by

Megha Garhkoti and Kahkasha Siddiqui

Under the Supervision of

Ms. Kriti Sharma



A handwritten signature in blue ink, likely belonging to the Registrar.

Registrar
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SCHOOL OF ENGINEERING AND TECHNOLOGY (SOET)

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA, INDIA

JUNE, 2021

CERTIFICATE

It is certified that the work contained in the project report titled "Web Development" by the following students:

Name of the Student	Roll Number
Megha Garhkoti <i>Megha</i>	1801060011
Kahkasha Siddiqui <i>Kesh</i>	1801060003

has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

Kriti

Ms. Kriti Sharma,

Assistant Professor,

School of Engineering and Technology,

K R Mangalam University, Gurugram, Haryana, India

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DECLARATION

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(Name(s) of the student)

(Roll No.)

(Signature)

Megha Garhkoti

1801060011

Megha

Kahkasha Siddiqui

1801060003

Kahkasha

Date: July 1, 2021

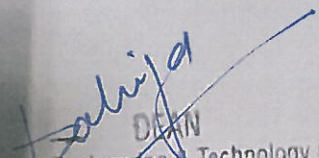
J. D. -

Registrar

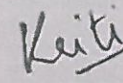
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Sohna Road, Gurugram, (Haryana)

APPROVAL SHEET

This project report entitled **Web Development** by **Megha Garhkoti and Kahkaha Siddiqui** is approved for the degree of **BCA (Computer Science)**, School of Engineering and Technology.


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Mr. Vineet Dahiya


Supervisor

Ms. Kriti Sharma, Assistant Professor

Date: July 1, 2021

Place: Gurgaon


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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

ACKNOWLEDGEMENT

It gives me immense pleasure to express my deepest sense of gratitude and sincere thanks to my highly respected and esteemed guide **Ms. Kriti Sharma, School of Engineering and Technology**, for his/their valuable guidance, encouragement and help for completing this work. His/Their useful suggestions for this whole work and co-operative behavior are sincerely acknowledged.

I also wish to express my gratitude to **Ms. Kriti Sharma** for his kind hearted support. I am also grateful to my teachers for their constant support and guidance.

I also wish to express my indebtedness to my parents as well as my family member whose blessings and support always helped me to face the challenges ahead.

At the end I would like to express my sincere thanks to all my friends and others who helped me directly or indirectly during this project work.

Place: Gurugram

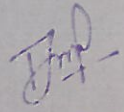
Student Name: - Megha Garhkoti

Kahkasha Siddiqui

Date: June 29, 2021

Roll Number: - 1801060011

1801060003


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GCALC SCIENTIFIC CALCULATOR

Project report submitted

In partial fulfilment of the requirements of the degree of
BACHELOR OF COMPUTER APPLICATIONS
in

Computer Science

by

Naveen Kumar

Under the Supervision of

Ms. Pallavi Pandey



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Sohna Road, Gurugram, (Haryana)

SCHOOL OF ENGINEERING AND TECHNOLOGY
K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA, INDIA

June, 2022

APPROVAL SHEET

This project report entitled **GCALC Scientific Calculator** by **Naveen Kumar** is approved for the degree of **BCA in Computer Science, School of Engineering and Technology**.



Dean (SOET)

Dr. Vineet Dahiya



Supervisor

Ms. Pallavi Pandey

Date : _____

Place: K.R. Mangalam University, Gurugram, Haryana



Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

CHAPTER 1

METHODOLOGY FOR THE PROJECT WORK

A Scientific Calculator is useful for situations where we need to calculate some complex things like logs or trigonometry. In such cases, the normal calculator won't be useful for us. So therefore, we are here to develop a Scientific Calculator.

This calculator will have the following

1. First, it will have a screen to display the user inputs and by default, it will display a "0". To make this we will use Text View.
2. Then there will be another screen that shows the result and the operator. It will be a Text View too.
3. Then we'll have the keys, that will have numbers as well as the operators on it. We'll use Buttons for this.
4. We'll use a Linear layout for this so that we can arrange the buttons in the desired manner.

This project will have the following that you can interact with to make the project work

1. **activity_main.xml:** This file describes the whole user interface.
2. **MainActivity.java:** This file manages the working of this system. Main java file is important as it is the only file that enables the execution of the application.
3. **Resource folder:** This folder will have all the resources that are useful for this project. Following are the list of resource files that are used in our project:
 1. **Drawable:** It has the layout and designing of the application components.
 2. **Colors:** It has all the colors that are used in the project.
 3. **Style:** Here the styling of the text or components is done.
 4. **String:** This file defines all the strings that are necessary for the project.

HOSTEL MANAGEMENT SYSTEM

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Computer Applications (BCA)

in

Computer Science and Engineering

by

Chirag Khandelwal

Under the Supervision of

Ms. J. Pandey

Assistant Professor



SOET

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA, INDIA

June, 2022


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K.R. Mangalam University
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CERTIFICATE

It is certified that the work contained in the project report titled "Hostel Management System," by the following students:

Name of the Student

Roll Number

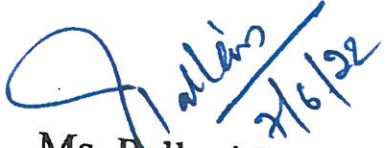
Rashant Kumar Majumdar

1901060004

Nirag Khandelwal

1901060007

It has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.


7/6/22

Ms. Pallavi Pandey

Assistant Professor

Computer Science Engineering, SOET

K R Mangalam University, Gurugram, Haryana, India





Registrar

K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

DECLARATION

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(Names) of the student)	(Roll No.)	(Signature)
Preshant Kumar Majumdar	1901060004	
Chirag Khandelwal	1901060007	

Date: 03-06-22


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ACKNOWLEDGEMENT

It gives me immense pleasure to express my deepest sense of gratitude and sincere thanks to my highly respected and esteemed guide **Ms. Pallavi Pandey, Computer Science Engineering**, for her valuable guidance, encouragement and help for completing this work. Her useful suggestions for this whole work and co-operative behaviour are sincerely acknowledged.

I would like to express my sincere thanks to Ms. Pallavi Pandey, KRMU for giving me this opportunity to undertake this project. I would also like to thank Mr. Vineet Dahiya for whole hearted support.

I also wish to express my gratitude to Dr. Shweta Bansal for her kind hearted support. I am also grateful to my teachers Ms. Yogita Raghav for her constant support and guidance.

I also wish to express my indebtedness to my parents as well as my family member whose blessings and support always helped me to face the challenges ahead.

At the end I would like to express my sincere thanks to all my friends and others who helped me directly or indirectly during this project work.

Prashant Kumar Majumdar(1901060004)

Chirag Khandelwal(1901060007)

Place: K.R. Mangalam University, Gurugram, Haryana

Date: 03-06-22


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K.R. Mangalam University
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TOURIST GUIDE

Project report submitted

In partial fulfilment of the requirements for the degree of

Bachelor of Computer Applications

by

Amul Bakshish Singh (1601060005)

Sandipta Subir Khare (1601060002)

Under the Supervision Of

Ms. Anjali Singh

Assistant Professor, CSE



School of Engineering and Technology

K. R. Mangalam University, Gurugram, Haryana, India

May 2019


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CERTIFICATE

It is certified that the work contained in the project report titled "Tourist Guide" by the following students:

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1601060005

SANDIPTA SUBIR KHARE

1601060002

has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.



Ms. Anjali Singh,

Assistant Professor,

Computer Science and Engineering,



K R Mangalam University, Gurugram, Haryana, India



Registrar
K.R. Mangalam University
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Name of the Student	Roll Number	Signature
Amul Bakshish Singh	1601060005	
Sandipta Subir Khare	1601060002	

Date: 30/05/2019


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APPROVAL SHEET

This project report entitled **Tourist Guide** by **Amul Bakshish Singh and Sandipta Subir Khare** is approved for the degree of **Bachelor of Computer Applications, School of Engineering and Technology**


Dean, SOET

DEAN 30/05/19
Prof. (Dr.) Ranjit Verma
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Supervisor

Ms. Anjali Singh, Assistant Prof., CSE, SOET

Date: 30/05/2019

Place: Gurugram



Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

AITalks- Artificial Enabled Interactive Chat Robot

Project report submitted

In partial fulfilment of the requirement of the degree of

Bachelor of Computer Applications

by

Simran Imlani (1601060007)

Jyoti Yadav (1601060001)

Sanwar Raja (1601060008)

Under the Supervision of

Ms. Anjali Singh

Assistant Professor, CSE



School Of Engineering and Technology

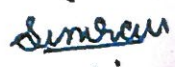


K. R. Mangalam University, Gurugram, Haryana, India

May 2019

Anjali Singh
Registrar
K. R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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Names of the student	Roll No.	(Signature)
Simran Imlani	1601060007	
Jyoti Yadav	1601060001	
Sanwar Raja	1601060008	

Date: 30-5-2019

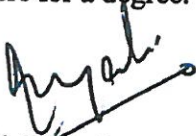

Registrar
K.R. Mangalam University
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CERTIFICATE

It is certified that the work contained in the project report titled "AITalks- Artificial Enabled Interactive Chat Robot," by the following students:

Name of the Student	Roll Number
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Jyoti	1601060001
Sanwar Raja	1601060008

has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.




Ms. Anjali Singh,

Assistant Professor,

CSE, SOET

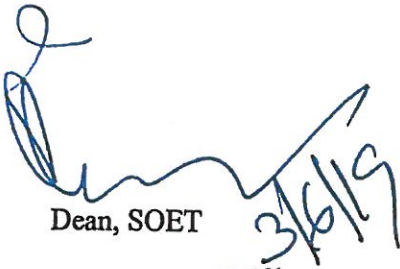
K R Mangalam University, Gurugram, Haryana, India



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APPROVAL SHEET

This project report entitled **AITalks- Artificial Enabled Interactive Chat Robot** by **Simran Imlani, Jyoti Yadav, and Sanwar Raja** is approved for the degree of **Bachelor of Computer Applications, School of Engineering and Technology.**



Dean, SOET

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Prof. (Dr.) Ranjit Varma
School of Engineering & Technology (SOET)
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Supervisor

Ms. Anjali Singh, Assistant Prof., CSE, SOET

Date: 30-5-2019

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