

MULTIPLE OBJECT DETECTION

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science and Engineering

by

MANISH RAGHAV (1501010002)

MOHIT KUMAR (1501010033)

KUNAL DOGRA (1501010027)

Under the Supervision of

Ms. Saneh Lata Yadav




Computer Science and Engineering

School of Engineering and Technology

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

May-2019


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

1. DECLARATION

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I 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.

Name of the Student	Roll Number	Signature
Manish Raghav	1501010002	Manish
Mohit Arora	1501010033	
Kunal Dogra	1501010027	Kunal

Date: 10/5/19


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

2. CERTIFICATE

It is certified that the work contained in the project report titled "Multiple Object Detection" by the following students:

Name of the Student	Roll Number
Manish Raghav <i>Manish</i>	1501010002
Mohit Arora <i>Mohit Kumar</i>	1501010033
Kunal Dogra <i>K. Dogra</i>	1501010027

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


Ms. Saneh Lata Yadav
Assistant Professor

School of Engineering and Technology

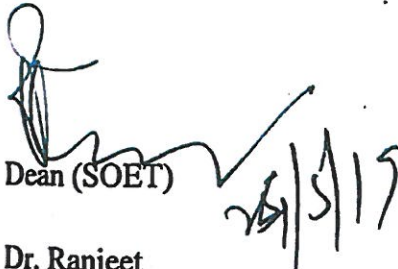
K R Mangalam University, Gurugram, Haryana, India

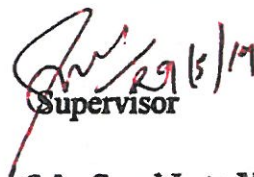
ii


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

3. APPROVAL SHEET

This project report Multiple Object Detection is approved for the degree of B.TechCS School of Engineering and Technology.


Dean (SOET)
Dr. Ranjeet


Supervisor
Ms. SanehLata Yadav
Assistant Professor

Date: 10/5/19

Place: _____


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

5. ABSTRACT

Efficient and accurate object detection has been an important topic in the advancement of computer vision systems. With the advent of deep learning techniques, the accuracy for object detection has increased drastically. The project aims to incorporate state-of-the-art technique for object detection with the goal of achieving high accuracy with a real-time performance. A major challenge in many of the object detection systems is the dependency on other computer vision techniques for helping the deep learning based approach, which leads to slow and non-optimal performance. In this project, we use a completely deep learning based approach to solve the problem of object detection in an end-to-end fashion. The network is trained on the most challenging publicly available dataset on which a object detection challenge is conducted annually. The resulting system is fast and accurate, thus aiding those applications which require object detection



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

SBI KEYWORD RANKING

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science & Engineering

by

SUHAS PANDIT

(1501010072)

Under the Supervision of

Ms. SARITA

(Assistant Professor)



School of Engineering and Technology

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

May, 2019

J.P.
Registrar
K.R. Mangalam University
Delha Road, Gurugram, (Haryana)

CERTIFICATE

It is certified that the work contained in the project report titled "SBI Keyword Ranking," by the following student:

Name of the Student

Roll Number

SUHAS PANDIT

1501010072

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



Ms. Sarita

Assistant Professor,

School of Engineering and Technology,

K R Mangalam University, Gurugram, Haryana, India



Registrar

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

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(Name of the Student)

Suhas Pandit

(Roll. No.)

1501010072

(Signature)



Registrar

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

Date: 10/05/19

APPROVAL SHEET

This project report entitled **SBI Keyword Ranking** by **Suhas Pandit** is approved for the degree of **B.Tech (Computer Science & Engineering)**, **School of Engineering and Technology**.




Dr. Ranjit Varma
Dean (SOET)



Ms. Sarita (Assistant Professor)
Supervisor

Date : 10/05/19
Place: _____



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

ODD EVENS

Project report submitted

In partial fulfillment of the requirements of the degree of

Bachelor of Technology

in

Computer Science and Engineering

by

Shubham Behl

Under the Supervision of

Ms. Yogita Raghav



School Of Engineering & Technology

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

2019


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

CERTIFICATE

It is certified that the work contained in the project report titled "Odd Evens," by the following student:

Name of the Student

Roll Number

Shubham Behl

1501010024

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



Ms. Yogita Raghav,

Assistant Professor,

Computer Science & Engineering,

K R Mangalam University, Gurugram, Haryana, India



Registrar

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

DECLARATION

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(Name(s) of the student)

Shubham Behl

(Roll No.)

1501010024

(Signature)



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

Date: 10/5/19

CSPTOOL

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science & Engineering

by

ASHISH DIXIT AND HIMANSHU RANA

Under the Supervision of

Mr. Ashwani Kumar



COMPUTER SCIENCE AND ENGINEERING

K. R. MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

MAY 2019



Registrar

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

CERTIFICATE

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

Name of the Student	Roll Number
ASHISH DIXIT	1501010025
HIMANSHU RANA	1501010032

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



Mr. Ashwani Kumar,

Asstistant Professor,

Computer Science and Engineering,

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



Registrar

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

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(Name(s) of the student)

(Roll No.)

(Signature)

ASHISH DIXIT

1501010025


Ashish

HIMANSHU RANA

1501010032

Himanshu

Date: 24/04/2019


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

APPROVAL SHEET

This project report entitled CSPTOOL by ASHISH DIXIT AND HIMANSHU RANA is approved for the degree of B.Tech (C.S.E.), School of Engineering and Technology.


Dean (SOET)

Mr. Ashwani Kumar

Assistant. Professor

Date : 03-05-2019

Place: GURUGRAM


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

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MANISH RAGHAV (1501010002)

MOHIT KUMAR (1501010033)

KUNAL DOGRA (1501010027)

Under the Supervision of

Ms. Saneh Lata Yadav



Computer Science and Engineering

School of Engineering and Technology

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

May-2019


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

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Kunal Dogra	1501010027	Kunal

Date: 10/5/19


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

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Assistant Professor

School of Engineering and Technology

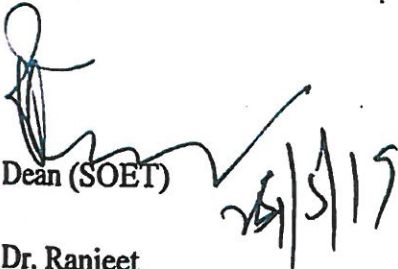
K R Mangalam University, Gurugram, Haryana, India

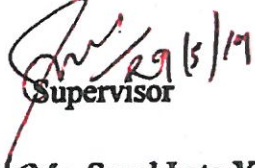
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Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana).

3. APPROVAL SHEET

This project report Multiple Object Detection is approved for the degree of B.TechCS
School of Engineering and Technology.


Dean (SOET)
Dr. Ranjeet


Supervisor
Ms. SanehLata Yadav
Assistant Professor

Date: 10/5/19

Place: _____


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

MULTIPLE OBJECT DETECTION

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

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MANISH RAGHAV (1501010002)

MOHIT KUMAR (1501010033)

KUNAL DOGRA (1501010027)

Under the Supervision of

Ms. Saneh Lata Yadav



Computer Science and Engineering

School of Engineering and Technology

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

May-2019

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

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Manish Raghav	1501010002	Manish
Mohit Arora	1501010033	
Kunal Dogra	1501010027	Kunal

Date: 10/5/19


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

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Kunal Dogra <i>K Dogra</i>	1501010027

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[Signature]
Ms. SanehLata Yadav
Assistant Professor

School of Engineering and Technology

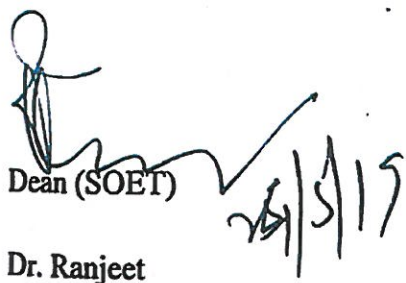
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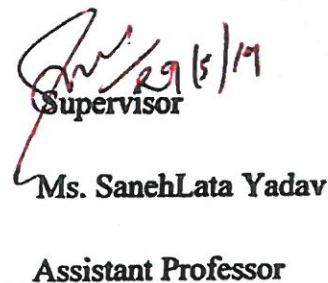
ii

[Signature]
Registrar
K.R. Mangalam University
Sahna Road, Gurugram, (Haryana)

3. APPROVAL SHEET

This project report **Multiple Object Detection** is approved for the degree of **B.TechCS** School of Engineering and Technology.


Dean (SOET)
Dr. Ranjeet


Supervisor
Ms. SanehLata Yadav
Assistant Professor

Date: 10/5/19

Place: _____


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

CSPTOOL

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

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by

ASHISH DIXIT AND HIMANSHU RANA

Under the Supervision of

Mr. Ashwani Kumar




COMPUTER SCIENCE AND ENGINEERING

K. R. MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

MAY 2019


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

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ASHISH DIXIT	1501010025
HIMANSHU RANA	1501010032

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Mr. Ashwani Kumar,

Assistant Professor,

Computer Science and Engineering,

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



Registrar

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

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(Name(s) of the student)

(Roll No.)

(Signature)

ASHISH DIXIT

1501010025


Ashish

HIMANSHU RANA

1501010032

Himanshu

Date: 24/04/2019


Registrar
K. J. Somaiya Institute of Management Studies & Research
Gurugram, (Haryana)

APPROVAL SHEET

This project report entitled CSPTOOL by ASHISH DIXIT AND HIMANSHU RANA is approved for the degree of B.Tech (C.S.E.), School of Engineering and Technology.

Dean (SOET)

Mr. Ashwani Kumar

Assistant. Professor

Date : 03-05-2019

Place: GURUGRAM


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

QuizaGram

Project report submitted

In partial fulfillment of the requirements of the degree of

Bachelor of Technology

in

Computer Science & Engineering

By

Abhinav Grover (1501010040)

Akash Sharma (1501010038)

Under the Supervision of

Ms. Yogita Raghav

(Asst. Professor)




SCHOOL OF ENGINEERING AND TECHNOLOGY

K.R. MANGALAM UNIVERSITY, GURUGRAM,

HARYANA, INDIA

May, 2019


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

CERTIFICATE

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

Name of the Student

Roll Number

Abhinav Grover

1501010040

Akash Sharma

1501010038

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



Ms. Yogita Raghav,

Asst. Professor,

SOET,

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



Registrar

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

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Name of the student

Roll No.

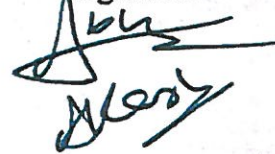
Abhinav Grover

1501010040

Akash Sharma

1501010038

Signature



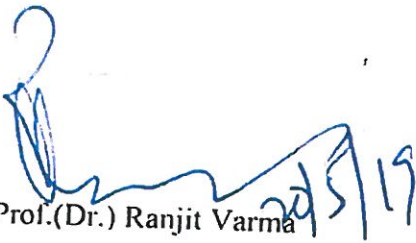
Date: 06/05/19



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

APPROVAL SHEET

This project report entitled **QuizaGram** by **Abhinav Grover & Akash Sharma** is approved for the degree of **B.Tech (Computer Science & Engineering)**, **School of Engineering and Technology**.


Prof.(Dr.) Ranjit Varma

Dean
(School of Engineering and Technology)

Supervisor

Ms. Yogita Raghav.

Asst. Professor,

(School of Engineering and
Technology)

Date : 06/05/19

Place: Gurugram


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

SHARE ME-SOCIAL MEDIA APP

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science and Engineering

by

Harsh kumar (1801010010)

Puneet yadav (1801010023)

Under the Supervision of

Ms. Kriti Sharma

Dr. Pooja Nagpal



SCHOOL OF ENGINEERING AND TECHNOLOGY

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

June, 20


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

CERTIFICATE

It is certified that the work contained in the project report titled "SHARE ME-SOCIAL MEDIA APP," by the following students:

Name of the Student	Roll Number
Harsh Kumar	1801010010
Puneet Yadav	1801010023

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


Ms. Kriti Sharma and Dr. Pooja Nagpal

Assistant Professor,

School of Engineering and Technology,

K R Mangalam University, Gurugram, Haryana, India



Registrar

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

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(Name(s) of the student)	(Roll No.)	(Signature)
Harsh Kumar	1801010010	harsh
Puneet Yadav	1801010023	puneet


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

Date: 6th June 2022

APPROVAL SHEET

This project report entitled **SHARE ME – SOCIAL MEDIA APP** by **Harsh and Puneet** is approved for the degree of **B.Tech Computer Science and engineering, School of Engineering and Technology.**



Dean (SOET)

Mr. Vineet Dahiya



Supervisor

Ms. Kriti Sharma, Assistant Professor

Dr. Pooja Nagpal, Assistant Professor

Date :6th June 2022

Place: Sohna



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

3D Modelling & Game Development

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science Engineering

by

SUGANDH MALIK

YASH SAINI

Under the Supervision of

Dr. Swati




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


COMPUTER SCIENCE ENGINEERING

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA, INDIA

June 2022

APPROVAL SHEET

This project report entitled **3D Modelling & Game Development** by **Sugandh Malik** and **Yash Saini** is approved for the degree of **B.Tech (Computer Science Engineering)**, School of Engineering and Technology.


Dean (SOET)
Dr. Vineet Dahiya

-
Supervisor


Dr. Swati (Associate Professor)

Date: 06/06/2022

Place: Gurugram


Registrar
K.P. Monglam University
Gohana Road, Gurugram, (Haryana)

DECLARATION

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(Name(s) of the student) (Roll No.)(Signature)

Sugandh Malik 1801010039

Yash Saini 1801010050

Date: 06/06/2022

CERTIFICATE

It is certified that the work contained in the project report titled "3D MODELLING & GAME DEVELOPMENT," by the following students:

Name of the Student Roll Number

Sugandh Malik 1801010039

Yash Saini 1801010050


Registrar
K.R. Manojam University
Scheme Road, Gurugram, (Haryana)

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

Swati

Dr. Swati(Associate Professor)

School of Engineering and Technology,

K R Mangalam University, Gurugram, Haryana, India

ACKNOWLEDGEMENT

It gives me immense pleasure to express my deepest sense of gratitude and sincere thanks to my highly respected and esteemed guide **Dr. Swati (School of Engineering & Technology)**, for their valuable guidance, encouragement and help for completing this work. Their useful suggestions for this whole work and co-operative behaviour are sincerely acknowledged.

I would like to express my sincere thanks to Mr Ashwani Kumar for giving me this opportunity to undertake this project. I would also like to thank Ms. Swati for wholehearted support.

I also wish to express my gratitude to my teammate Yash Saini and for his kind-hearted support.

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.

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

Face Recognition with QR Validation

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science & Engineering

by

Shivani (1801010032)

Under the Supervision of

Ms. Yogita Raghav

(Asst. Professor, Dept. of CSE)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

June, 2022


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


CERTIFICATE

It is certified that the work contained in the project report titled "Face Recognition with QR Validation" by the following students:


Shivani

1801010032

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


MS. YOGITA RAGHAV (Assistant Professor),
Department of Computer Science & Engineering,
K R Mangalam University, Sohna
Gurugram, Haryana, India


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

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(Shivani)

(1801010032)

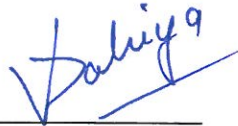

(Signature)

Date: 06/06/2022


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


APPROVAL SHEET

This project report entitled “**Face Recognition with QR validation**” by Shivani is approved for the degree of **B. Tech (Computer Science & Engineering)**, School of Engineering and Technology.



Dr. Vineet Dahiya

Dean (SOET)



Ms. Yogita Raghav

(Assistant Professor)

Date: 06/06/2022

Place: Gurugram



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

**Security Implementation
In Campus Network**

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science & Engineering

by

SAHIL CHOYAL

Under the Supervision of

Ms. Saneh Lata Yadav



SCHOOL OF ENGINEERING & TECHNOLOGY

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA

INDIA

May – 2020

Registrar

K.R. Mangalam University
School of Engineering & Technology, Gurugram, (Haryana)

CERTIFICATE

It is certified that the work contained in the project report titled "Security Implementation In Campus Network" by the following students:

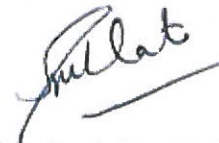
Name of the Student

Roll Number

Sahil Choyal

1601010014

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



Ms. Sanch Lata Yadav,

Assistant Professor,

Bachelor of Technology,

K R Mangalam University, Gurugram, Haryana, India



Registrar

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

DECLARATION

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I 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.



Sahil Choyal

1601010014

Date: 29th May, 2020



Registrar
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Sohna Road, Gurugram, (Haryana)

APPROVAL SHEET

This project report entitled **Security Implementation In Campus Network** by **Sahil Choyal** is approved for the degree of **B.Tech (CSE)**, School of Engineering and Technology.



Dean (SOET)

Mr. Vineet Dahiya DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103



Supervisor

Ms Saneh Lata Yadav
(Assistant Professor)

Date: 29th May, 2020

Place: K.R Mangalam University



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

CITY KE LEGEND

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

In

Computer Science & Engineering

By

SHIVAM MANGLA (1601010027)

NIKHIL KHANDELWAL (1601010043)

Under the Supervision of

SANEH LATA YADAV



Department of Computer Science & Engineering

School of Engineering and Technology

K.R. Mangalam University, Gurugram, Haryana

India

May-2020

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

CERTIFICATE

It is certified that the work contained in the project report titled "CITY KE LEGEND," by the following students:

SHIVAM MANGLA

1601010027

NIKHIL KHANDELWAL

1601010043

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

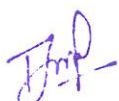


SANEHLATA YADAV

Associate Professor

Department of Computer Science & Engineering

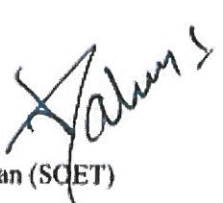
K.R. Mangalam University, Gurugram, Haryana, India



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

APPROVAL SHEET

This project report entitled **CITY KE LEGEND** by **SHIVAM MANGLA & NIKHIL KHANDELWAL** is approved for the degree of **B.tech (Department of Computer Science & Engineering)**, School of Engineering and Technology.


Dean (SOET)

Vineet Dahiya

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103


Supervisor

Saneh Lata Yadav

Associate Professor


Registrar

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

Date: 29/05/2020

Place: Gurugram

ACKNOWLEDGEMENT

It gives us immense pleasure to express our deepest sense of gratitude and sincere thanks to our highly respected and esteemed guide **Ms. Saneh Lata Yadav (School of Engineering & Technology)**, for his valuable guidance, encouragement and help for completing this work. His useful suggestions for this whole work and co-operative behaviour are sincerely acknowledged.

We also wish to express our indebtedness to our parents as well as our family member whose blessings and support always helped us to face the challenges ahead.

At the end we would like to express our sincere thanks to all our friends and others who helped us directly or indirectly during this project work.

Place: Gurugram

Date: 29/05/2020

Shivam Mangla

(1601010027)

Nikhil Khandelwal

(1601010043)



Registrar

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

CITY KE LEGEND

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

In

Computer Science & Engineering

By

SHIVAM MANGLA (1601010027)

NIKHIL KHANDELWAL (1601010043)

Under the Supervision of

SANEH LATA YADAV



Department of Computer Science & Engineering

School of Engineering and Technology

K.R. Mangalam University, Gurugram, Haryana

India

May-2020


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

CERTIFICATE

It is certified that the work contained in the project report titled "CITY KE LEGEND," by the following students:

SHIVAM MANGLA

1601010027

NIKHIL KHANDELWAL

1601010043

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



SANEHLATA YADAV

Associate Professor

Department of Computer Science & Engineering

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




Registrar

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

APPROVAL SHEET

This project report entitled **CITY KE LEGEND** by **SHIVAM MANGLA & NIKHIL KHANDELWAL** is approved for the degree of **B.tech (Department of Computer Science & Engineering)**, School of Engineering and Technology.


Dean (SOET)

Vinet Dahiya

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103


Supervisor

Saneh Lata Yadav

Associate Professor

Date: 29/05/2020

Place: Gurugram



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

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We also wish to express our indebtedness to our parents as well as our family member whose blessings and support always helped us to face the challenges ahead.

At the end we would like to express our sincere thanks to all our friends and others who helped us directly or indirectly during this project work.

Place: Gurugram

Date: 29/05/2020

Shivam Mangla

(1601010027)

Nikhil Khandelwal

(1601010043)



Registrar

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

AI Football

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science and Engineering

by

Prashant Goyal

Under the Supervision of

Mr. Apurv Dube



K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,
INDIA

May 2020


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

CERTIFICATE

It is certified that the work contained in the project report titled "AI Football" by the following student:

Name of the Student

Prashant Goyal

Roll Number

1601010012

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



Mr. Apury Dube

Assistant Professor

School of Engineering and Technology

K R Mangalam University, Gurugram, Haryana, India



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

DECLARATION

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I 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.

(Name(s) of the student)

Prashant Goyal

(Roll No.)

1601010012

Prashant
(Signature)

Date: 29th May 2020

J.P.
Registrar
K.P. Manojam University
Sector 14, Gurgaon, (Haryana)


APPROVAL SHEET

This project report entitled AI Football by Prashant Goyal is approved for the degree of B.Tech Computer Science and Engineering, School of Engineering and Technology.

Dean (SOET)


Mr. Vineet Dahiya **DEAN**
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Supervisor


Mr. Apurv Dube, Assistant Professor

Date: 29th May 2020

Place: K.R. Mangalam University


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

Face Recognition system

Project report submitted

In partial fulfilment of the requirements of the degree of

Bachelor of Technology

in

Computer Science and Engineering

by

Gaurav Bansal

Dhruv Behl

Under the Supervision of

Ms. Anjali Singh



School of Engineering and Technology

K R MANGALAM UNIVERSITY, GURUGRAM, HARYANA,

INDIA

July, 2021

A handwritten signature in blue ink, likely belonging to the Registrar, is positioned above the printed name and address.

Registrar

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

CERTIFICATE

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

Name of the Student

Roll Number

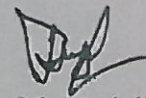
Gaurav Bansal

1701010022

Dhruv Behl

1701010033

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

Engineering and Technology

K R Mangalam University, Gurugram, Haryana, India



Registrar

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

DECLARATION

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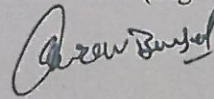
(Name(s) of the student)

(Roll No.)

(Signature)

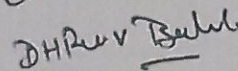
Gaurav Bansal

1701010022




DhruvBehl

1701010033



Date: 02-July-2021

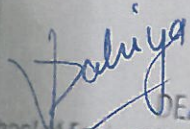


Registrar

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

APPROVAL SHEET

This project report entitled Face Recognition System by Gaurav, Dhruv is approved for the degree of B.Tech (Computer Science and Engineering), School of Engineering and Technology.



DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Dean (SOET)

Dr. Vineet Dhaiya



Supervisor

Ms. Anjali Singh, Assistant Professor

Date :02-July-2021

Place: Gurugram



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

Secure Mail Sender

Project report submitted

In partial fulfilment of the requirements of the degree of
Bachelor of Technology/ Bachelor of Computer Applications

In

Computer Science & Engineering

By

ANUJ YADAV (1701010011)

MOHIT SAINI (1701010018)

Under the Supervision of

MS. SANEH LATA

(Assistant Professor)




Department of Computer Science & Engineering

School of Engineering and Technology

K R MANGALAM UNIVERSITY,

GURUGRAM, HARYANA, INDIA

July-2021


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

CERTIFICATE

It is certified that the work contained in the project report titled "Secure Mail Sender" by the following students:

Name of the Student

Roll Number

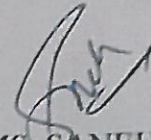
Anuj Yadav *Anuj*

1701010011

Mohit Saini *Mohit*

1701010018

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



MS. SANEH LATA

(Assistant Professor)

Department of Computer Science & Engineering

School of Engineering and Technology

K R Mangalam University, Gurugram,

Haryana, India



Registrar

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

DECLARATION

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(Name(s) of the student)

Anuj Yadav

Mohit Saini

(Roll No.)

1701010011

1701010018

(Signature)

Anuj yadav
M. Saini

Date: 02/07/2021



Registrar

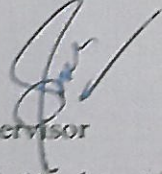
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

APPROVAL SHEET

This project report entitled **Secure Mail Sender** by **Anuj Yadav & Mohit Saini** is approved for the degree of **B.Tech (Computer Science)**, School of Engineering and Technology.

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103
Dean (SOET)

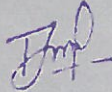
VINEET DAHIYA


Supervisor

MS. SANEH LATA (Assistant Professor)

Date: 02/07/2021

Place: K R Mangalam University, Sohna Road, Gurugram


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