



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Abhinav Chauhan

Roll No.: 2010203013

May, 2023



# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. under Section 12-B, U.P. Act No. 12 of 2002

Ref. No.: 10/2023/1427/12 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. Abhinav Chauhan..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

~~Mr. Nitesh Saxena~~  
~~(Project Guide)~~  
24/5/23

Dr. Archana Saxena  
(HOD, IICA)  
24/5/23

Dr. Manish Gupta  
(Dean Management)  
24/5/23

Dr. Mohan Kishor Gupta  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

[www.invertisuniversity.ac.in](http://www.invertisuniversity.ac.in)



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena  
HOD  
Department of Computer Applications

**Submitted By:**

Aditya Kumar  
Roll No.: 2010203005

May, 2023



# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 21 of UGC Act, 1956 vide U.P. Act 22 of 2010

Ref. No.: 10/2023/1427/5 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. Aditya Kumar..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

*Kushal*  
24/05/2023

**Mr. Kushal Johari**  
(Project Guide)

*Archana*  
24<sup>th</sup> May 2023

**Dr. Archana Saxena**  
(HOD, IICA)

*Manish*  
24/5/23

**Dr. Manish Gupta**  
(Dean Management)

*Mohan*  
24/5/23  
Dr. Mohan Vishal Gupta

**Full Name & the Signature of the External Examiner**

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

- Ph. & Telefax: (0581) 2460442, 2460443, 3390000
- Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

[www.invertisuniversity.ac.in](http://www.invertisuniversity.ac.in)



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Akash Kumar Yadav

Roll No.: 2010203008

May, 2023






# INVERTIS UNIVERSITY BAREILLY

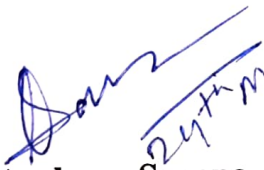
Established by Govt. of U.P. u/s 21 of UGC Act, 1956 vide U.P. Act 22 of 2010


Ref. No.: 10/2023/1427/8 Date: 24<sup>th</sup> May 2023

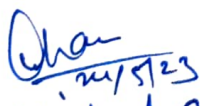
## CERTIFICATE

This is to certify that Mr./Ms. Akash Kumar Yadav..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

  
**Mr. Kushal Johari**  
(Project Guide)

  
**Dr. Archana Saxena**  
(HOD, IICA)

  
**Dr. Manish Gupta**  
(Dean Management)

  
**Dr. Mohan Vishal Gupta**  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123  
• Ph. & Telefax: (0581) 2460442, 2460443, 3390000  
• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

0581-2460100, 2460000



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena  
HOD  
Department of Computer Applications

**Submitted By:**

Bhupendra Kumar  
Roll No.: 2010203002

May, 2023



# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 21 of UGC Act, 1956 vide U.P. Act 22 of 2010

Ref. No.: 1U/2023/1427/2 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. Bhupendra Kumar..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester** of **Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

  
Dr. Archana Saxena

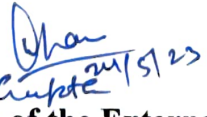
(Project Guide)

  
Dr. Archana Saxena

(HOD, IICA)

  
Dr. Manish Gupta

(Dean Management)

  
Dr. Mohan Vishal Gupta  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in





**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Harshdeep Kaur

Roll No.: 2010203004

May, 2023



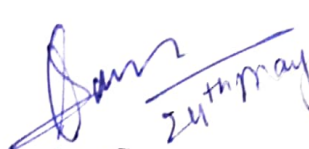
# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 21 of U.P.C. Act 1956 vide U.P. Act 22 of 2005

Ref. No.: 10/2023/1427/4 Date: 24<sup>th</sup> May 2023

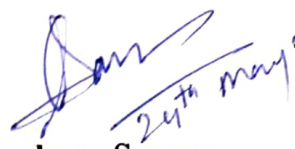
## CERTIFICATE

This is to certify that Mr./Ms. ....Harshdeep.....Kaur..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

  
24<sup>th</sup> May 2023

Dr. Archana Saxena

(Project Guide)

  
24<sup>th</sup> May 2023

Dr. Archana Saxena

(HOD, IICA)

  
24/5/23

Dr. Manish Gupta

(Dean Management)

  
24/5/23

Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Mintu Gangwar

Roll No.: 2010203011

May, 2023



# INVERTIS UNIVERSITY BAREILLY


Established by Govt. of U.P. u/s 2f of UGC Act, 1956 vide U.P. Act 22 of 2010.


Ref. No.: 10/2023/1427/10 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. Mintu Gangwar student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

~~Mr. Nitesh Saxena  
(Project Guide)~~  
24/5/23

  
24<sup>th</sup> May 2023  
Dr. Archana Saxena  
(HOD, IICA)

  
24/5/23  
Dr. Manish Gupta  
(Dean Management)

  
24/5/23  
Dr. Mohan Vishal Gupta  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Navneet Kaur

Roll No.: 2010203003

May, 2023

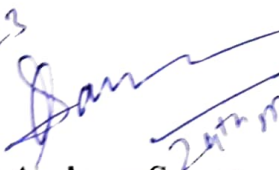


## CERTIFICATE


This is to certify that Mr./Ms. Navneet Kaur..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

  
24<sup>th</sup> May 2023  
**Dr. Archana Saxena**

**(Project Guide)**

  
24<sup>th</sup> May 2023  
**Dr. Archana Saxena**

**(HOD, IICA)**

  
24/5/23  
**Dr. Manish Gupta**

**(Dean Management)**

  
24/5/23  
**Dr. Mohan Kishor Gupta**

**Full Name & the Signature of the External Examiner**

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

[www.invertisuniversity.ac.in](http://www.invertisuniversity.ac.in)



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Nitanshi Dixit

Roll No.: 2010203007

May, 2023



# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 2f of UGC Act, 1956 vide U.P. Act 22 of 2010

Ref. No.: 1U/2023/1427/7 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. ....Nitanshi.....Dixit..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

*Kushal*  
*24/05/2023*  
**Mr. Kushal Johari**  
(Project Guide)

*San*  
*24<sup>th</sup> May 2023*  
**Dr. Archana Saxena**  
(HOD, IICA)

*Manish*  
*24/5/23*  
**Dr. Manish Gupta**  
(Dean Management)

*Mohan*  
*24/5/23*  
*Dr. Mohan Vishal Gupta*  
**Full Name & the Signature of the External Examiner**

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in



**Faculty of Computer Applications  
(2022-23)**

**A Project Report  
on**

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Pratishtha Saxena

Roll No.: 2010203010

May, 2023





# INVERTIS UNIVERSITY BAREILLY


Established by Govt. of U.P. u/s 2f of UGC Act, 1956 vide U.P. Act 22 of 2010.

Ref. No.: 10/2023/1427/9 Date: 24<sup>th</sup> May 2023


## CERTIFICATE

This is to certify that Mr./Ms. Beatishtha... Saxena..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

~~Mr. Nitesh Saxena  
(Project Guide)~~

  
Dr. Archana Saxena  
(HOD, IICA)

  
Dr. Manish Gupta  
(Dean Management)

  
Dr. Mohan Verhal Gupta  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

[www.invertisuniversity.ac.in](http://www.invertisuniversity.ac.in)





**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Prince Pandey

Roll No.: 2010203012

May, 2023



# INVERTIS UNIVERSITY BAREILLY


Established by Govt. of UP u/s 2F of UGC Act, 1956 vide UP Act 22 of 2010

Ref. No.: 10/2023/1427/11 Date: 24<sup>th</sup> May 2023


## CERTIFICATE

This is to certify that Mr./Ms. Prince Pandey..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

~~24/5/23~~  
**Mr. Nitesh Saxena**  
(Project Guide)

  
**Dr. Archana Saxena**  
(HOD, IICA)

  
**Dr. Manish Gupta**  
(Dean Management)

  
**Dr. Mohan Vishal Gupta**  
Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Shikhar Samant

Roll No.: 2010203001

May, 2023



# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 17 of UGC Act, 1956 vide U.P. Act 22 of 2010.

Ref. No.: 10/2023/1427/1 Date: 24<sup>th</sup> May 2023

## CERTIFICATE

This is to certify that Mr./Ms. ....*Shikha Samant*..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester of Invertis University, Bareilly** has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

*[Signature]*  
24<sup>th</sup> May 2023  
Dr. Archana Saxena

(Project Guide)

*[Signature]*  
24<sup>th</sup> May 2023  
Dr. Archana Saxena

(HOD, IICA)

*[Signature]*  
24/5/23  
Dr. Manish Gupta

(Dean Management)

*[Signature]*  
24/5/23  
Dr. Mohan Vishal Gupta

Full Name & the Signature of the External Examiner

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

www.invertisuniversity.ac.in



**Faculty of Computer Applications**  
(2022-23)

A Project Report  
on

## **Facial Expressions Recognition**

Submitted in partial Fulfillment of the Requirements for the Degree  
of

**Bachelor of Science (Hon) CS**  
Invertis University, Bareilly

**Project Co-Ordinator:**

Dr. Archana Saxena

HOD

Department of Computer Applications

**Submitted By:**

Vaishnavi Tiwari

Roll No.: 2010203006

May, 2023





# INVERTIS UNIVERSITY BAREILLY

Established by Govt. of U.P. u/s 2f of UGC Act, 1956 vide U.P. Act 22 of 2010

Ref. No.: 1U/2023/1427/6 Date: 24th May 2023

## CERTIFICATE

This is to certify that Mr./Ms. ....*Vaishnavi.....Tiwari*..... student of **Bachelor of Science (Hon) CS, 6<sup>th</sup> Semester** of Invertis University, Bareilly has successfully completed his/her project work entitled **“Facial Expression Recognition”** for the partial fulfillment of the requirement for the degree of Bachelor of Science (Hon) CS, session 2022-23.

*Kushal*  
*24/05/2023*  
**Mr. Kushal Johari**  
(Project Guide)

*Archana*  
*24th May 2023*  
**Dr. Archana Saxena**  
(HOD, IICA)

*Manish*  
*24/5/23*  
**Dr. Manish Gupta**  
(Dean Management)

*Mohan*  
*24/5/23*  
*Dr. Mohan Kishor Gupta*  
**Full Name & the Signature of the External Examiner**

### CAMPUS

Invertis Village, Bareilly-Lucknow National Highway-24, Bareilly (UP)-243 123

• Ph. & Telefax: (0581) 2460442, 2460443, 3390000

• Fax: (0581) 3390233, 2460454 • Email: info@invertis.org

### CITY OFFICE:

B-186, Civil Lines, Opp. GPO, Bareilly-243001 • Ph.: (0581) 2429100, 2429000

[www.invertisuniversity.ac.in](http://www.invertisuniversity.ac.in)