**DECLARATION BY THE CANDIDATE**

I the undersigned solemnly declare that the report of the thesis work entitled “**MANU-VISAGE: Enhancing Online Exam Integrity through Deep Learning-Based Human Recognition”**, is based on my own work carried out during the course of my study under the supervision of **Dr. Siddhartha Choubey Head of the Department** Computer Science & Engineering

I assert that the statements made, and conclusions drawn are the outcome of the project work. I further declare that to the best of my knowledge and belief that the report does not contain any part of any work which has been submitted for the award of **Bachelor of Technology in Computer Science and Engineering** degree in this Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.), India. All helps received and citations used for the preparation of the thesis have been duly acknowledged.

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| --- |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Name: Anurag V Kulkarni**  **Roll No.: 301402221011**  **Enrollment No.: CA8547** |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Name: Abhishek Kumar Mishra**  **Roll No.: 301402221036**  **Enrollment No.: CA8399** |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Name: Abhinav Tripathi**  **Roll No.: 301402221123**  **Enrollment No.: CA8339** |

**CERTIFICATE BY THE SUPERVISOR**

This is to certify that the project entitled “**MANU-VISAGE: Enhancing Online Exam Integrity through Deep Learning-Based Human Recognition”** is a record of project work carried out by **Anurag V Kulkarni, Roll No 301402221011, Enrollment No CA8547,** **Abhishek Kumar Mishra, Roll No 301402221036, Enrollment No CA8399, Abhinav Tripathi, Roll No 301402221123, Enrollment No CA8339** under my guidance and supervision in partial fulfillment of the requirement for the award of **Bachelors of Technology in Computer Science and Engineering** of Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.), India.

To the best of my knowledge and belief, the project

1. Embodies the work of the candidate
2. Has been duly completed
3. Fulfills the requirements of Ordinance related to the B.E. Degree of the University and is up to the standard both in respect of contents and language for being referred to the examiners.

**Dr. Siddhartha Choubey**

**Professor  
Computer Science and Engineering**

**Forwarded to Chhattisgarh Swami Vivekanand Technical University, Bhilai**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature of the Director/Principal**

**Shri Shankaracharya Technical Campus,**

**District-Durg, Chhattisgarh 490020, India**

**CERTIFICATE BY THE EXAMINERS**

This is to Certify that the project the entitled

“**MANU-VISAGE: Enhancing Online Exam Integrity through Deep Learning-Based Human Recognition”**

Submitted by

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **University Roll Nos.** | **Enrollment nos.** | **Name** |
| 1. | 301402221011 | CA8547 | ANURAG V KULKARNI |
| 2. | 301402221036 | CA8399 | ABHISHEK KUMAR MISHRA |
| 3. | 301402221123 | CA8339 | ABHINAV TRIPATHI |

have been examined as a part of examination for the award of the degree of **Bachelor of Technology in Computer Science and Engineering** of Chhattisgarh Swami Vivekanand Technical University, Bhilai (C.G.), India.

**(Internal Examiner) (External Examiner)**

**Name: Name:**

**Date: Date:**

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|  |  |  |
| --- | --- | --- |
| **Anurag V Kulkarni**  **Roll No.:301402221011**  **Enrollment No: CA8547** | **Abhishek Kumar Mishra**  **Roll No:301402221036**  **Enrollment No: CA8399** | **Abhinav Tripathi**  **Roll No:301402221123**  **Enrollment No: CA8339** |

ABSTRACT

This project presents an intelligent online examination platform integrated with advanced facial recognition and emotion detection capabilities to ensure secure and fair remote assessments. Developed using Python, Open CV, TensorFlow, Keras, Flask, HTML, CSS, Dlib, and JavaScript, the system is designed to authenticate students through facial recognition and monitor their emotional state during the examination. It recognizes multiple emotions such as happiness, sadness, anger, and neutrality, allowing real-time analysis of student behaviour and engagement levels. The platform requires students to log in using a unique Exam ID and password, ensuring only authorized participants can access the exam. Once authenticated, the system continuously tracks the student's facial expressions throughout the test, providing an additional layer of proctoring to detect any suspicious or unusual behaviour. The integration of facial and emotion recognition with online proctoring enhances the credibility and integrity of the remote examination process. This solution addresses common challenges faced in online assessments such as impersonation, cheating, and lack of engagement monitoring. By combining computer vision and deep learning technologies, the platform offers a robust and scalable solution for educational institutions seeking to conduct secure and insightful remote evaluations.

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