VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"ONLINE EXAM PROCTORING SYSTEM"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE &ENGINEERING

By

ROHAN MAHAVEER	4AL17CS077
SYED HUDAIF IBRAHIM	4AL17CS104
VIHA B RAJU	4AL17CS108
VIKAS A L	4AL17CS109

Under the Guidance of

Mr. Harish Kunder

Associate Professor

ALVA'S
Education Foundation

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2020 – 2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI D.K. -574225, KARNATAKA

ALVA'S

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"ONLINE EXAM PROCTORING SYSTEM"** has been successfully completed by

ROHAN MAHAVEER	4AL17CS077
SYED HUDAIF IBRAHIM	4AL17CS104
VIHA B RAJU	4AL17CS108
VIKAS A L	4AL17CS109

the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

06/08/2021

_____
Mr. Harish Kunder
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire 574 225, D.K. Karnataka, India

_____
Dr. Manjunath Kotari
Dept. Head of the Department
& Technology
Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

_____
Dr. Peter Fernandes
PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

External Viva

Name of the Examiners	Signature with Date
1.	
2.	

ABSTRACT

One of the upcoming trends in the education sector throughout the world is online learning. The internet is used for this type of learning. This style of learning has been simplified because of improved and upgraded technologies. Universities and colleges have also chosen to provide an option of online education. An examination is a means of evaluating an individual's ability, proficiency, or knowledge in one or more subjects. Exams are a way to ensure the credibility of the education that has been provided. As a result, without an examination, an education is incomplete. But to conduct an exam online is superficially considered as a laborious task. The aim of this project is basically to prove otherwise. This project focuses on improving proctoring systems in order to deliver a fraud-free online exam. Face recognition is used in the developed solution for strong student authentication, and in order to improve the suggested system's performance, we specified various criteria to identify any fraudulent activity throughout the candidate's time on the examination monitoring system. The major goal is to use machine learning to teach computers how to proctor exams without human intervention. User authentication, voice detection, active window, gaze tracking, head posture estimation, and multiple face identification will form the foundation of a robustly verified and monitored proctoring system in this proposed paper.