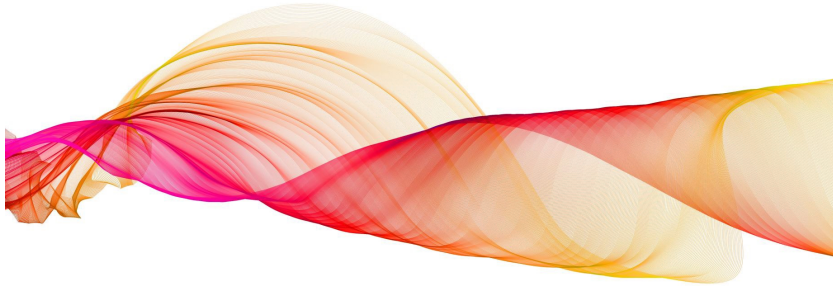


Senior Design Project

Mandana Zooyousefin

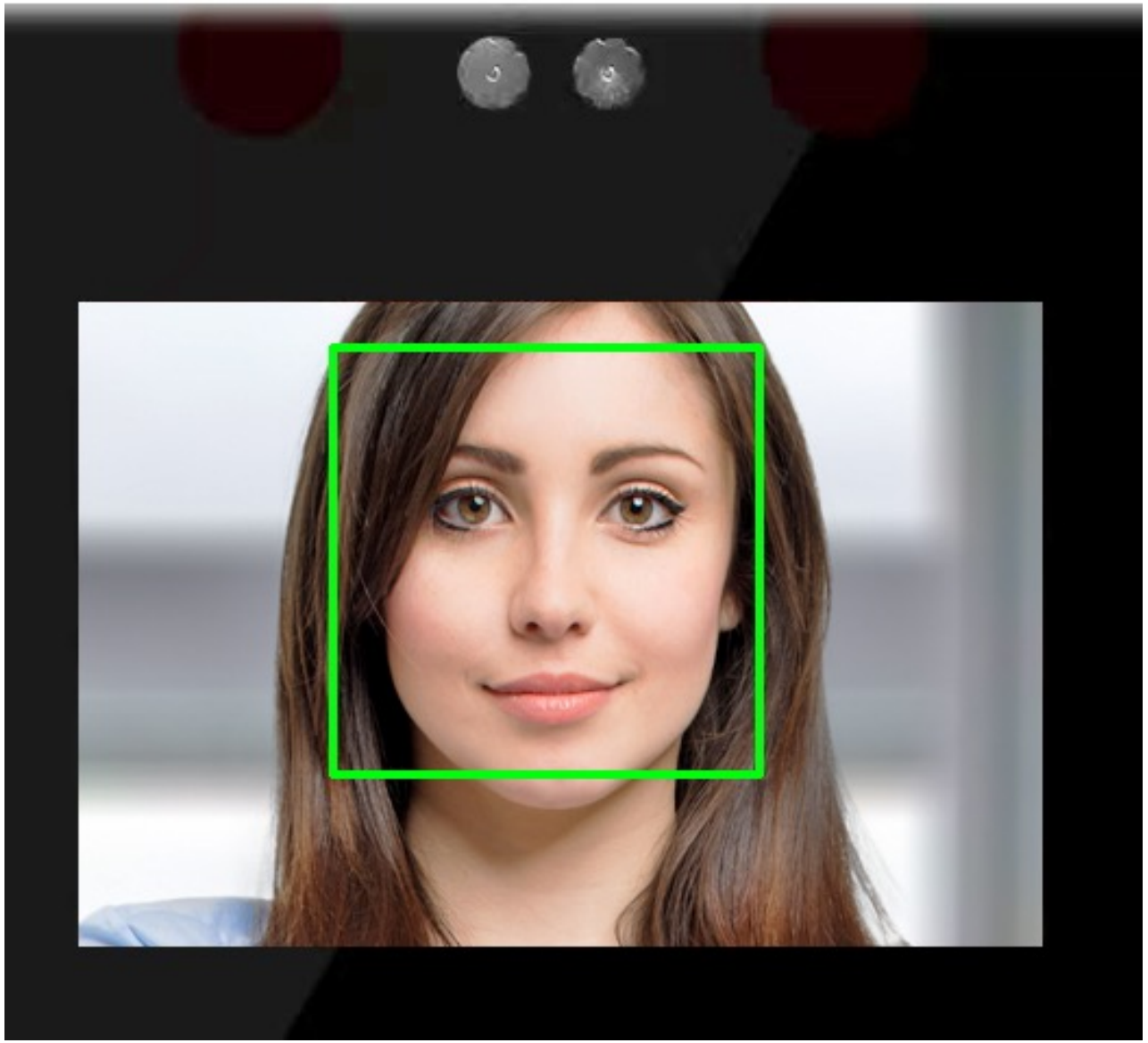
Muğla Sıtkı Koçman University

Advisor:

DR.Tuğba ÖNAL SÜZEK

Department of computer engineering

Automatic Attendence System Using Image Processing



Introduction

- Face, a unique featıre of humans
- Identifying peaple by face

Studies of physicists, Neurologists and Engineers

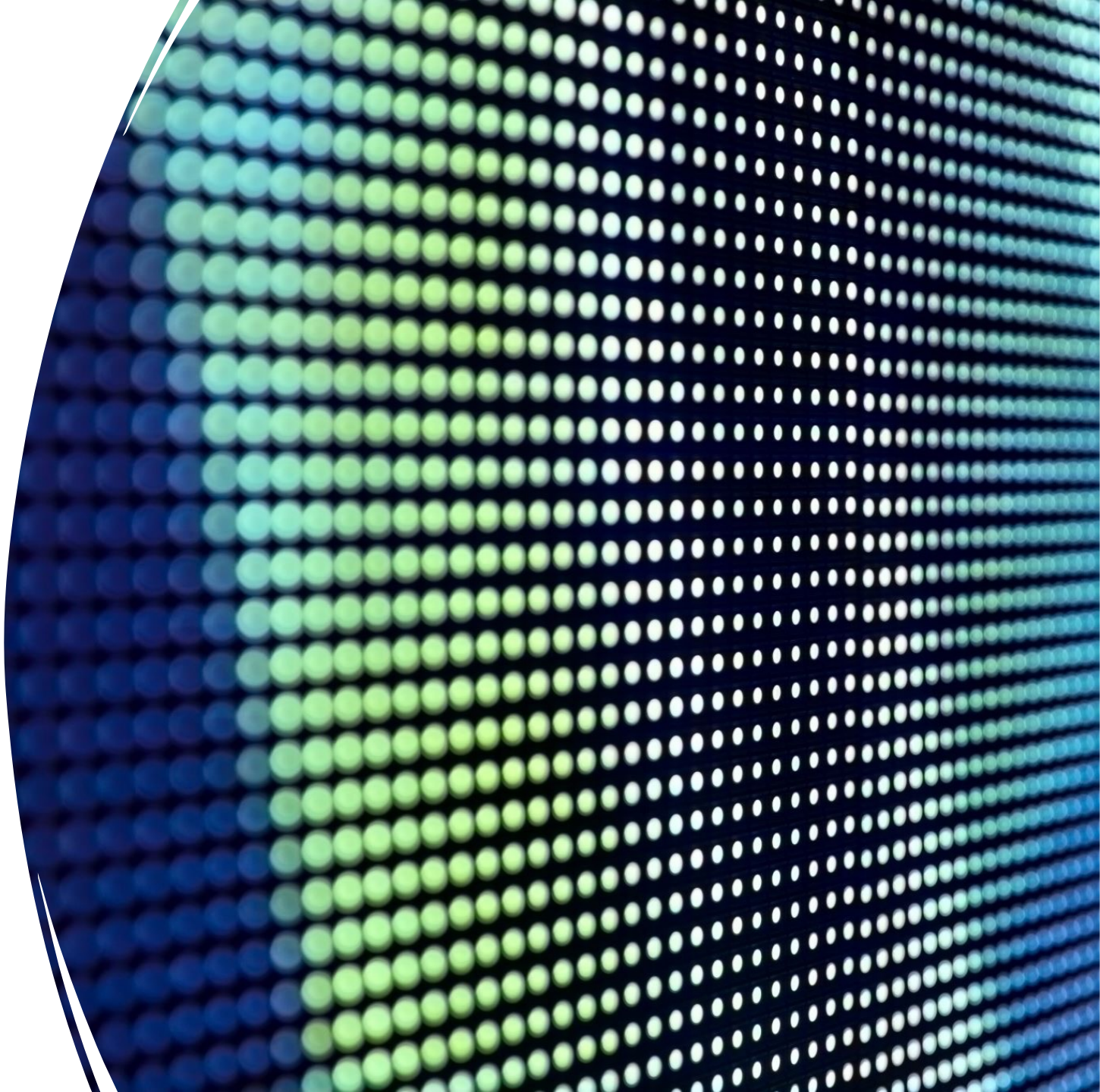
- The uniqueness of the faces
- How to recognize faces in humans
- Organizing memory for faces
- The reason for not being able to accurately recognize the opposite face
- Presence of a mother nerve for diagnosis
- The role of the right hemisphere of the brain

The purpose

Implementation of attendence system

Image Processing

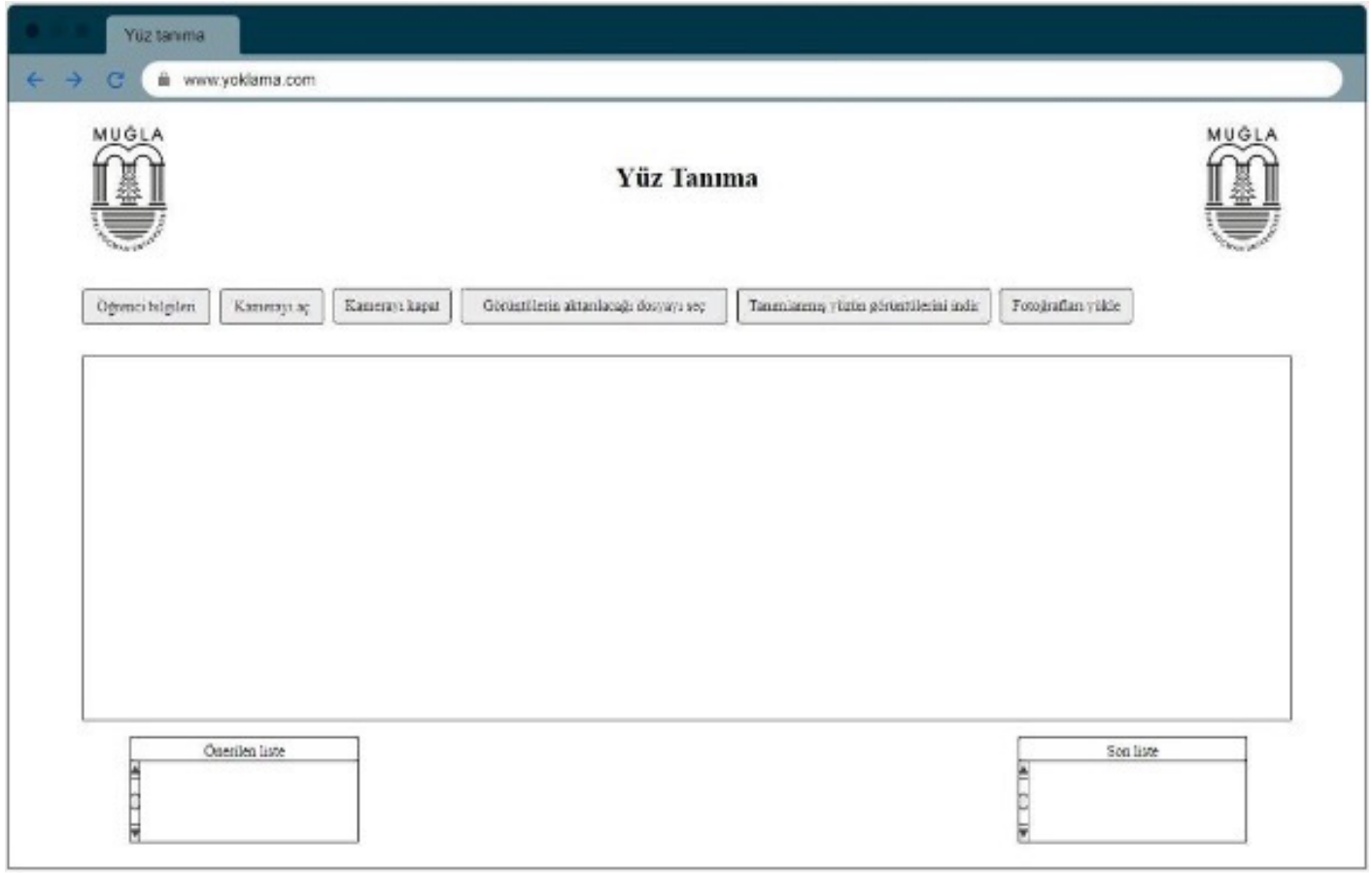
- openCV
- MATLAB



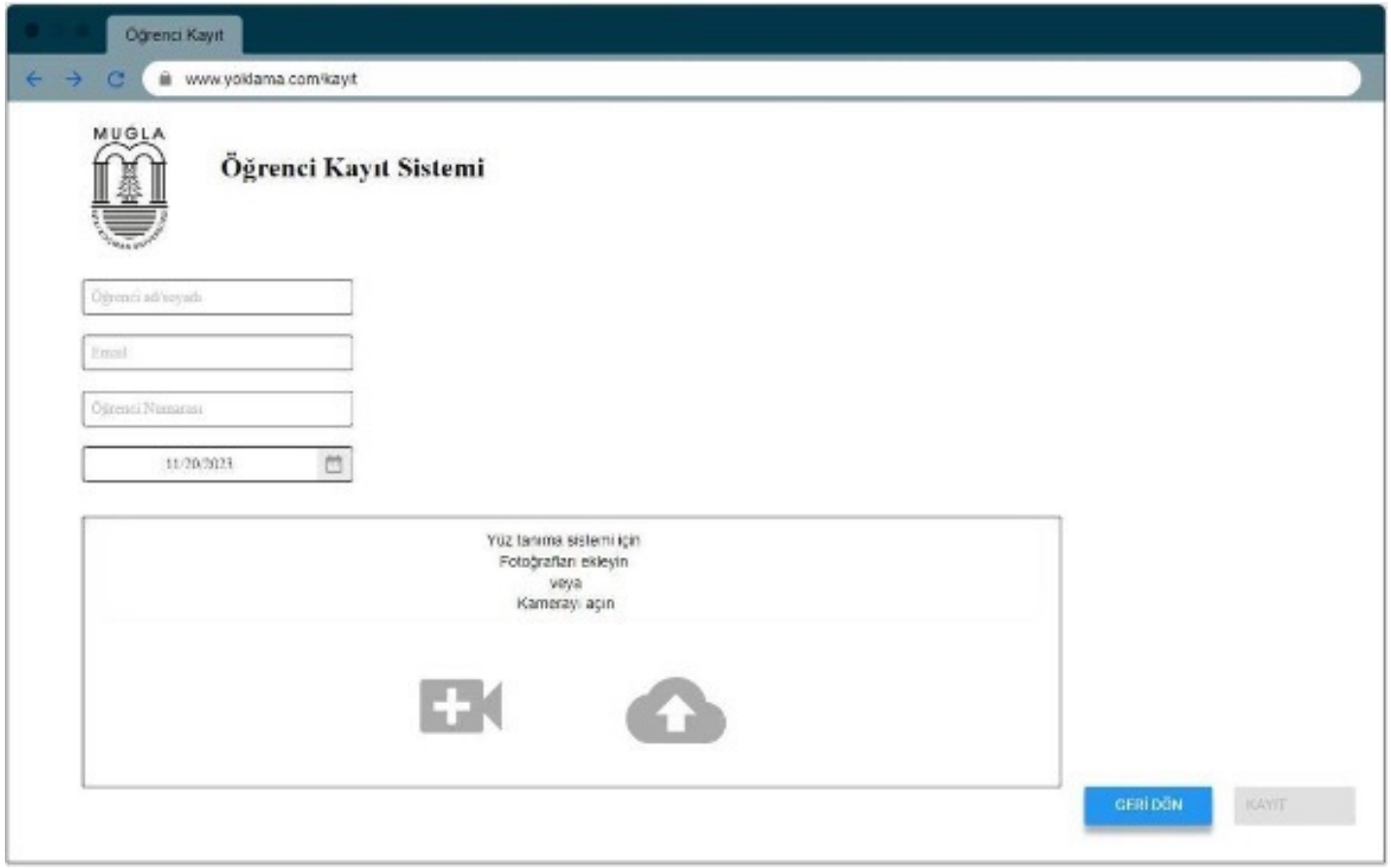
Neural Networks

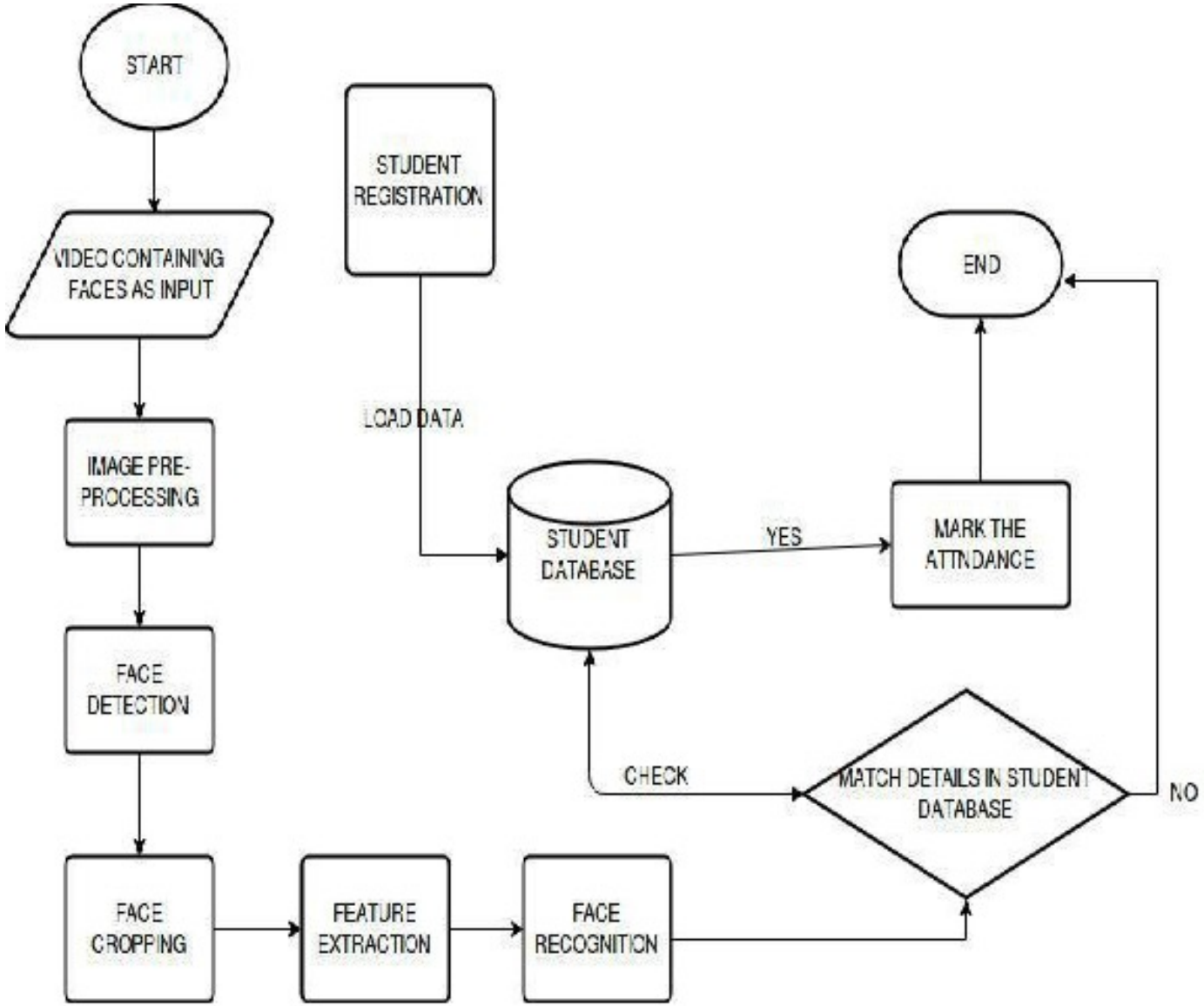
- Artificial Neural Network
- Applications of artificial neural networks

Graphical User Interface Design



Student’s registering system




START
VIDEO CONTAINING FACES AS INPUT
IMAGE PRE-PROCESSING
FACE DETECTION
FACE CROPPING
FEATURE EXTRACTION
FACE RECOGNITION
STUDENT REGISTRATION
LOAD DATA
STUDENT DATABASE
CHECK
MATCH DETAILS IN STUDENT DATABASE
YES
NO
MARK THE ATTNDANCE
END