

GENBA SOPANRAO MOZE COLLEGE OF ENGINEERING  
BALEWADI, PUNE

# Project Domain

## Deep Learning

### **GROUP MEMBERS:-**

PRAPTI CHAVAN  
GAURI KHAKE  
MAHESH RATHOD

### **GUIDED BY:-**

SAYALI SABLE

# Project Titles :-

Deepfake : Fake video creation and detection



# Deepfake : Fake video creation and detection

# Abstract

- ▶ Deepfakes allow for the automatic generation and creation of (fake) video content, e.g. through generative adversarial networks.
- ▶ Deepfake technology is a controversial technology with many wide reaching issues impacting society, e.g. election biasing.
- ▶ Much research has been devoted to developing detection methods to reduce the potential negative impact of deepfakes. Application of neural networks and deep learning is one approach.
- ▶ The results show high accuracy over all datasets with an accuracy varying between 91-98% depending on the deepfake technologies applied. We also developed a voting mechanism that can detect fake videos using the aggregation of all four methods instead of only one.

# HOW IT WILL WORK

- a. Explore the data set – first step is to collect data we will collected data from different sources and merged them together to form our training data set.
- b. Some conclusion from the data set(by visualization)
- c. Train a model
- d. Split the data set in Train and Test
- e. Evaluate the models performance on train and test
- f. Based on the generated graphs we predict the cost of the houses.

# Overview

