

## **Mini Project:**

### **Image Enhancement for selected poor quality images**

In this Project: you are given some selected poor quality images. It is required to select and apply suitable enhancement technique(s) to enhance each image in order to achieve the required task.

#### **[1] Component Extraction from the following images**

- Circle
- COVID-19 Chart

#### **[2] Enhancement of Blurry Images**

- Buildings
- Dog

#### **[3] Noise removal from Noisy Images**

- Text
- Rocket
- Wind Chart

#### **[4] Visual enhancement of the following images (Challenging Images)**

- Newspaper
- Name Plate

Deliverables:

[1] Original Images

[2] Processed Images

[3] Project Reports with the following items for each task:

- Technique(s) used to process the image and why to select this specific technique
- Python Code applied on the image

- Output of each technique
- Discussion of the results (pros, Cons, Quality achieved, Failure reasons , Suggestion for future processing)