IMAGE PROCESSING AND COMPUTER VISION
MINI PROJECT 1

Objective: Given a corrupted video, the objective is to perform the necessary processing to obtain a denoised and improved-quality video.

- ➢ Every team will receive a 35-second 25 fps video with various corruptions.
- ➢ This assignment focuses on understanding filtering and other operations in the spatial domain.
- ➢ The first 10 seconds of the video are not corrupted and can be used for reference.
- ➢ The subsequent 25 seconds will exhibit different types of corruption.
- ➢ Teams are required to identify the type of corruption and process it accordingly, using Python.
- ➢ The Main.py file contains functions to split the video into frames and combine the frames into a video.

Submission:

- ➢ A document containing an analysis of the corrupted video and techniques used to resolve it
- ➢ Processed video
- ➢ Code document (Python)