



## **Machine Learning Assignment**

### **Problem Statement**

We have added a Zip (Files.zip) folder with all the datasets and sample files. The folder (Raw\_Dataset) contains all the raw images of checkboxes with a lot of noise outside the box. You are required develop a code that can detect the checkbox, remove the noise and crop into a final image

### **A Sample**

We have added a couple of sample pictures of

- Before the checkbox was cleaned (Raw\_Image.jpg) AND
- After the checkbox was cleaned (Clean\_Image.jpg)

### **Know a bit more**

We suggest you can use Python's OpenCV for this task.

### **What do we need from you?**

A couple of things, please:

- GitHub link for the Code you have written.
- A step-by-step document or presentation to describe your approach.

### **Bonus Question: If you have a life, ignore this.**

This is going to be difficult but if you can develop a code to detect if the checkbox is checked or unchecked, you are a legend.