**Problem statement 3**

Monitoring of live video cameras feeds and generating SMS alerts in case of deliberate tampering, affecting video quality.

**Background**: Most video surveillance systems constantly generate videos from multiple
Cameras which are streamed, recorded and monitored in central monitoring stations by operators 365 days in a year.

**Problems encountered**: The quality of the video feeds are not getting monitored all the time due to lack of negligence on part of operators and also a very tiresome task for them to keep watching the screen all the times. Hence, videos are getting recorded even if the quality is affected without the knowledge of the operators.

**The challenge**: To devise an intelligent video monitoring system without human intervention which automatically generates SMS messages alerting the technical staff to immediately attend to this problem when the video quality is affected ( can be intentional like tampering or natural)

**Evaluation parameters:**

Understanding IP camera functional image settings 10 pts

Creating training data set from live video 30 pts

Coding efficiency 20 pts

Demonstrating real time detection of functional camera settings deviations from normal video and generating SMS messages 30 pts

Feasibility of building prototype 10 pts

Total 100 points

A live camera feed will be made available for the teams to capture video and carry out the training.
Camera settings will be altered with respect to image settings, field of view etc and teams
are expected to show the results appearing as SMS alerts on their camera phones.