

# AML 2018: Semester Exam (Practical – Part 2)

8:30 am to 5:30 pm, 21<sup>st</sup> Dec 2018

## NOTES:

1. This question paper is to be completed by 21<sup>st</sup> Dec 2018, 2:30 pm. The remaining time is to be used to write and submit the documentation.
2. You are required to demonstrate your progress after every milestone checkpoint and send the final deliverables to [panantharama@alum.iisc.ac.in](mailto:panantharama@alum.iisc.ac.in)

## Part 2: Final Classifier

### Problem Statement:

The problem at a high level can be summarized as Building the final classifier, Analyzing the performance of the classifier and get insights on to which attributes influence positively to getting good selfie.

### Detailed Steps:

1. Build a classifier on top of the systems you have already built. The classifier takes an image as input and classifies that in to one of: (a) Poor Selfie (b) Average Selfie and (c) Great Selfie.
2. Select a minimum of 250 test cases from the samples given and get the predictions with this classifier
3. Perform a detailed analysis using the ground truth data (that has all the attributes) as to:
  - a. A sorted order of attributes that have highest influence in making a great selfie
  - b. Distribution using Pandas
4. **Checkpoint#1:** Demonstrate your work to the faculty and share with them your analysis

### Deliverables

- Code that implements all the required steps
- Final Report
- The evaluation relies on reports as an evidence besides the personal inspection/evaluation by the faculty during the exam. Hence the reports have a strict deadline of 21<sup>st</sup> December 18, 2018, 6 pm IST