Audit week

Tasks & Plans introductions:

Show engineering process：

Firstly: Image preprocessing

Secondly: feature extraction

Thirdly: K-means clustering,

Fourthly: evaluating outcomes.

Image preprocessing tasks:

**Plan A**: Write a program that do picture processing

**A- Risk1**: May not be finished since some pictures are various.

**A- Risk2**: It may cause difficulties in further analyzing if some pics are dealt wrongly.

**Plan B**: Do it manually. According to Dr. Liang Zheng, we should segment on pictures we have into characters. We can do it manually since it is only 300 pics.

**B- Risk1**: We may spend a week doing it. What’s more, for the further images that are input, we can’t deal with them.

Feature Extraction tasks:

**Plan A**: Find a pre-trained model that we can use for our feature extraction.

**A- Risk1**: May not be able to find one.

Plan B: Adhere to what Neo and Rui have written.

**B- Risks1**: May not be affordable by our own laptop, we need more computer unit to do calculating.

**B- Risks2**: May produce lower accuracy, can be improved if more time is spent.

K-means tasks:

**Plan A**: Written an appropriate k-means clustering tasks

**A- Risks1**: Might provide low accuracy. In that case we need to find an evaluating method for our model.

Evaluation task:

**Plan A**: Do it manually to see if the outcomes are satisfied.

Others tasks:

Update statement of work.

Update our logs.

Find a better way to show how our roles are assigned and our plans.

Audit week2 preparation.

Audit 2:

We can talk about Priority, Client needs, deliverables, where is our project up-to.

Find a better way to show what everyone is doing.