13 April 2017

Time:
12:00 pm

Duration:
+-45 minutes

Present:
- Assoc. Prof. Deshendran Moodley
- Anna Borysova
- Shaheel Kooverjee
- Erin Versfeld

Excused:
- Assoc. Prof. James Gain: Staff meeting prior to departure for France.

Summary:
- **D** offered advice on intra-team communication and put forward a phase-based approach to the project which the team agreed to
- **D** cleared up some of the teams' confusion regarding research vs system orientated projects
- **D** emphasised the need to find a suitable dataset/ suitable datasets

Next meeting:
23 April 2017

Points of Action for next meeting:
- Have relevant datasets

Discussion:
- **E** brought up the questions the team had from the last meeting with regards to the difference between system and research orientated projects
- **D** suggested that in the future the team meet a day or so after the supervisor meeting to ensure that the team is on the same page. Team members should put their understandings in writing first to help solidify their understanding and identify where their confusion lies.
- **D** highlighted the difference between the two approaches which were:
  - Research+system: addresses what's been built, how it's been built, etc. Engineering based approach.
  - Research: would focus more on the ML, and the system would be treated as an abstract entity and evaluated as such.
- **D** suggested the former approach using libraries to do the ML
- **D** suggested a phase-based approach to the project:
  - Phase 1: exploration in parallel with implementation with a mind to replicate
    - Each team member takes a device and looks at the literature around it
    - Focus on strengths and weaknesses

- Use a library to do the relevant ML implementation
- Test implementation with own dataset
  - Phase 2: combination and evaluation
    - Combine most suitable devices and techniques
    - Evaluate result
  - Phase 3: ensemble
    - Combine all three devices in a system which allows one to swap the one out for the other, etc.
- **D** emphasised the need to find a relevant dataset for the project soon, so that Phase 1 could potentially be complete by June

D suggested that the dataset be the same for all devices