# Lecture 5

# Interim Report

COMP3050: Individual Dissertation

School of Computer Science

University of Nottingham Ningbo China (UNNC)

Dr Matthew Pike

25 November 2020

# Housekeeping

- Marking of Project Proposals should be completed now
  - Ensure you have received sufficient feedback from your supervisors
  - This may be available on your Turnitin submission, directly
- A number of projects requiring full ethics approval have not been formally submitted to Moodle
  - You cannot begin your research until this process is completed

# Interim Report

# Module Timeline

| Deliverable | Contribution | Deadline or Due Date |
|---|---|---|
| ~~Project Allocation Confirmation~~ | ~~Mandatory~~ | ~~09 Oct 2020~~ |
| ~~Submit Revised Project Proposal~~ | ~~2%~~ | ~~23 Oct 2020~~ |
| ~~Preliminary Ethics Form~~ | ~~Mandatory~~ | ~~23 Oct 2020~~ |
| Interim Report | 8% | 11 Dec 2020 |
| Dissertation | 75% | 26 April 2021 |
| Demonstration | 15% | 03 May 2021 |

# Details

- An interim report consists of an outline with progress update and draft content.
- There is a suggested maximum limit of 5000 words
- The Interim Report should not exceeding 15 pages (A4 sides), including the bibliography and excludes cover/front pages (e.g. abstract, acknowledgements, table of contents).
- There is an example of a good Interim Reports available on Moodle
- Please discuss your interim report with your supervisor before you submit
- The interim report contributes 8% to your overall FYP grade

# Document Structure (1/2)

- The following is a typical interim report structure provided as guidance
  - Your structure **may vary**, depending on the nature of your project
  - It is important to consult with your Supervisor **before** drafting your report.
- Structure
  - Introduction
  - Motivation
  - Related work
  - Description of the work Methodology
  - Design
  - Implementation (if there is any)

# Document Structure (2/2)

- Progress
  - Project management
    - Review of Work-plan (from Project Proposal) detailing: progress, time allocation.
    - How do you manage your resources/time?
    - Review the workplan and provide explanation/reasons for adjusting the future work-plan.
    - Inclusion of a Gantt chart is strongly recommended as a visual indicating the progress of the project.
  - Contributions and reflections
    - Details of your achievements and contributions up to date
    - A personal reflection on the plan and your experience of the project (a critical appraisal of how the project has been progressing).
- Bibliography

# Marking

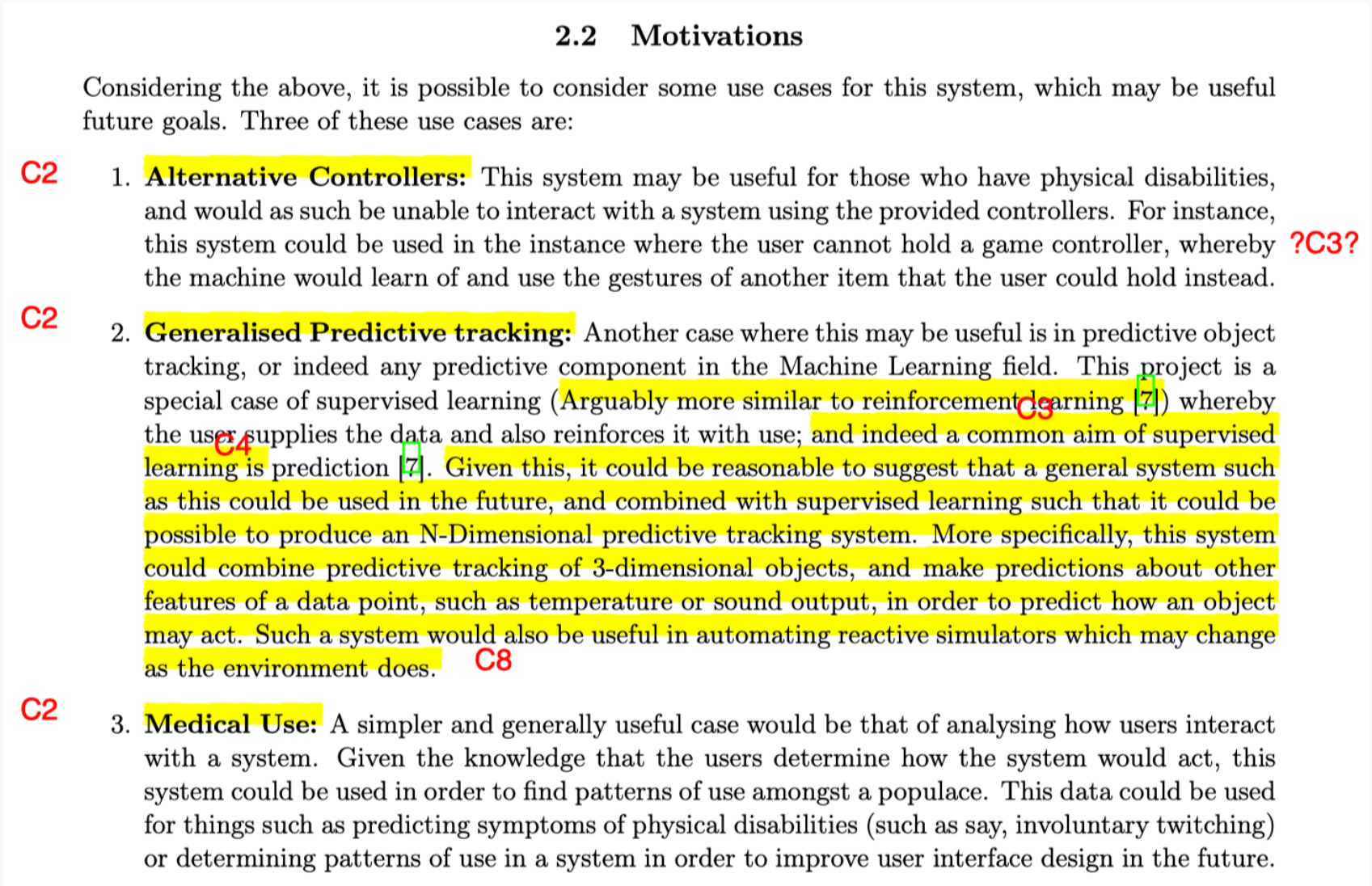
# Rubric

- Your proposals will be marked according to the distributed rubric (on Moodle)
  - Ensure you have a good understanding of this rubric
  - Review your proposal against this rubric before finalising your submission
- The rubric is available via Moodle
  - Module Assessment -> Interim Report (8%) -> Interim Report Marking Rubric
- All submissions will be marked according to this rubric
  - This will be enforced via Turnitin (On Moodle)

# In-class Exercise - Understanding the Requirements (10 Mins)

- Find a friend
- Open your laptops / tablet / phone
- One person should open the rubric
- Another person, should open the example Interim Report on Moodle
- Go through and annotate where/when the report does/not meet a criteria specified in the rubric
    - This is what supervisors will be doing when marking your reports

# Example of Annotation



## 2.2 Motivations

Considering the above, it is possible to consider some use cases for this system, which may be useful future goals. Three of these use cases are:

C2

1. **Alternative Controllers:** This system may be useful for those who have physical disabilities, and would as such be unable to interact with a system using the provided controllers. For instance, this system could be used in the instance where the user cannot hold a game controller, whereby the machine would learn of and use the gestures of another item that the user could hold instead. ?C3?

C2

2. **Generalised Predictive tracking:** Another case where this may be useful is in predictive object tracking, or indeed any predictive component in the Machine Learning field. This project is a special case of supervised learning (Arguably more similar to reinforcement learning [7]) whereby the user supplies the data and also reinforces it with use; and indeed a common aim of supervised learning is prediction [7]. Given this, it could be reasonable to suggest that a general system such as this could be used in the future, and combined with supervised learning such that it could be possible to produce an N-Dimensional predictive tracking system. More specifically, this system could combine predictive tracking of 3-dimensional objects, and make predictions about other features of a data point, such as temperature or sound output, in order to predict how an object may act. Such a system would also be useful in automating reactive simulators which may change as the environment does.

C3 C4 C8

C2

3. **Medical Use:** A simpler and generally useful case would be that of analysing how users interact with a system. Given the knowledge that the users determine how the system would act, this system could be used in order to find patterns of use amongst a populace. This data could be used for things such as predicting symptoms of physical disabilities (such as say, involuntary twitching) or determining patterns of use in a system in order to improve user interface design in the future.

Fig. 1: Annotations.png

# Feedback

- You should receive feedback from your supervisors, directly.
- Feedback may be delivered in several formats:
  - Verbal - In-person discussion with Supervisor
  - Written - General written feedback on the overall strengths/weaknesses of your report
  - Inline annotations on Turnitin
  - Granular rubric component attribution (on TurnitIn)
- I realise the UI/UX of Turnitin is not very good
  - But the feedback is (should be) there!

# Finding Turnitin Feedback

- Click the “Turnitin Submission”
- Click the “Title” of your Submission
- You should now see
    - Annotations from your supervisor, giving contextual feedback
    - Rubric categorisation of your work
    - General feedback on the document

# Module Administration

# Module Feedback

- We've received a (fantastic) idea from Ruijie Xiong (Thank you Ruijie!)
  - We've set up a "Experiment Participant Recruitment" Forum on Moodle
  - The forum will facilitate the recruiting of participants to participate in FYP's that require (human) participants
  - Hopefully, FYP students can help each other to collect data for their respective projects or simply participate in research works at UNNC
  - Only research projects with the neccesary ethics approval are allowed to post in the forum.

# Best FYP Award (1/2)

- “Best Final Year Project” and “Distinguished Final Year Project” Awards
- Motivation - Provide an incentive to motivate all to produce more impactful, high quality FYPs
- Process
    - Each supervisor can nominate one project for consideration
    - A panel, consisting of the FYP module convener and experienced academics in the school will review each nominated project
    - The panel will evaluate projects based on:
        - Impact of Work
        - Novelty and Creativity of the Student’s approach
    - This isn’t necessarily awarded to the project with the highest mark
    - Only one student will be award “Best FYP”. Several students may obtain “Distinguished Project”.

# Best FYP Award (2/2)

- Award
  - There will be one winner (only)
  - The winner will be allowed to state they were awarded “Best Final Year Project 20/21 in Computer Science at UNNC” on their CV
  - The winner will receive a formal certificate
  - Dave Towey will buy you a drink of your choice

# Questions?

Fig. 2: FYP Mid-Year Attendance and Feedback