# DEL INSTITUTE OF TECHNOLOGY

# MID TERM EXAM

**Semester GENAP 2019/2020**

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| Date of Examination | : | Monday/ 18th May 2020 |
| Course | : | KU32201\_English IV for D3TI |
| Time | : | 10 minutes/ group |
| Lecturer | : | Monalisa Pasaribu |
| Student Name | : |  |
| Student ID number | : |  |

Video links :

1. <https://youtu.be/sPHknKX0TE8>

* Human consciousness versus AI consciousness in society

1. Key question

Whether the technology can develop similarly the real human consciousness?

Whether individual can rely on machine technology to decide a decision?

How much regulation pertaining to the scope of AI responsibilities?

1. The AI is increase significantly in every time.
2. Benefit
3. Accurate allocation resource
4. Effective and efficient
5. Stock price increase
6. ROI increase
7. The negative
8. Has no experience and emotions
9. The decision just came from what is the minimum negative impact
10. Conclusion
11. The scope of AI should be limited
12. AI should use for dealing business and economy decision
13. AI should avoided when the question is about moral and ethic
14. Main goal : find the balance between human and technological control
15. Feedback :
16. It’s a Clear presentation because the speaker make an example, its ‘the trolley problem’ so the example simplify the explanation context to contrast the difference consciousness between human side and machine side.
17. <https://youtu.be/a9QVe34B9Oc>

* Conclusion 2 : the analyses tell about what the analyses for, and how the analyses implemented. also kinds of the analyses goals.
* From language to language : cracking the code with the computer

1. Teach machine to find the pattern in text to correspond to linguistic structure
2. How to
3. We need to look language as a whole we need to see how the different bit of the language fit together and how that changes from language to language.
4. We need to know about word order and syntax perhaps in this language
5. We need to know about the word ending
6. Finally we need to know about parts of speech
7. Conclusion
8. Using machine learning techniques we can do this sorts of analyses over million of words in hundreds of languages
9. Using this analysis we cannot only translate alien language if we need but also to teach computer how to speak and how to understand language
10. Main conclusion : using this analyses we can learn more about language
11. Feedback :
12. The title and the explanation ambiguous because the title actually means language translation by cracking code but in the last explanation the speaker explain about the analyses descriptions that’s tell about all kinds of the use of the analyses and didn’t offend about computer’s cracking code. Nevertheless, actually the presentation want to tell both of them but the explanation explain as if as the speaker focus just for one of them.
13. <https://youtu.be/mxQmHO5VSC4>

* The real future : mixed traffic of human-driven vehicles(HDVs) and autonomous vehicles

1. Key question :
2. Did you know that more than 6 billion dollars gets wasted in lost productivity as torontonians are stuck in traffic?
3. How it will be employed?
4. What penetration rate would take with time?
5. The adoption of autonomous vehicle will be gradual, in which traffic network will be a shared place for human driven vehicles and autonomous vehicles and related to the phenomena researchers have emphasize on the high level of complexity and difficulty of mixed traffic. Substituting human driven-vehicles with autonomous vehicles has considerable wide ranging positive effects. On the users level employing autonomous vehicle improve speed limits, enhances user productivity, reduce travel time and fuel consumption. On governmental level would be seen by eliminating traffic enforcement personnel, reducing accident rate and improving roadways to satisfy the increasing demand. On the community level the disabled people would beneficiaries
6. Benefit :
7. Provide the best route
8. Improve the bus scheduling and routing
9. Reduce travel time and congestion
10. Conclusion

Her thesis is developing mathematical model and simulations that can help us mimic the reality in order to define the best parameter configuration including, but not limited to, headway and safe spacing distance that can help us to adapt, characterize, and strategize tools and policies that can ensure the coexistence of this new technology with the existing cars in the least disruptive and most sustainable way

1. Feedback :
2. That’s a clear presentations because she told to the listener completely about the goals of the presentation and give the benefit from many side like in user benefit, government and for public benefit. But I just want to give a constructive advice about the explanation delivery. Because of she explain the topic rapidly so some people maybe difficult or maybe miss understand about what she said.