Characteristics that make up a suitable research topic

- The topic should fit within the timeframe
- Topic should be challenging but doable, broadening knowledge expanding skills is ideal
- Project should interest me
- Project should assist me in achieving my goal
- Topic should have a serious purpose and clear outcome
- Create SW for a real client
- Project should fit to my MSc Cyber Security course
- Scope is sufficient
- Not too personal (avoid subjective view)
- Resources are available

Dawson (2015)

Rational and creative methods for formulating a research idea

- Look at research already done
- Use latest news
- Reverse Brainstorming
- Mind Map

(UoEO 2022, Atlanta Small Business Network 2019)

Identify means of transforming research ideas into crafted research questions and proposal

- Identify some important questions from the preliminary identification of topics
- Chose something you have an interest in that fits to MSc Cyber Security
- Use helping question such as the following to verify the question is properly: "Is your research question clear, Is your research question focused, Is your research question complex, Is your research question feasible, Hypothesis" (UoEO 2022)
- Check for ethical concerns, open points, assess the worlaoad, identify potential pitfalls

UoEO (2022)

References

Dawson W. C. (2015) *Projects in Computing and Information Systems A Student's Guide* Pearson publishing, Third Edition, Harlow England

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