**Attack Detection Projects**

**weight of the work – 55%**

**What to submit?**

1. Name & ID ☺ (do not forget it in the pdf and the ppt)
2. Dates:
   1. 22/2 22:00 (final submission)
   2. 25/2 and 3/3 are mandatory class presentation dates. Everyone except (milium must be in the class)
3. **PDF that will summarize your work and contains (English, latex (overleaf preferred)): [45% of the course score]**
   1. Abstract – what is the work about? What is your improvement and innovation against the previous work you compared? [1%]
   2. Introduction – what is the problem you tried to solve? What are the security risks and damages it relates to? [2%]
   3. Related work – should contain all the relevant related work and how your work differs from theirs. [5%]
   4. What is the achieved contribution: increased the dataset in a specific way? Created a new approach, new features, etc. [5%]
   5. Evaluation – what is the solution architecture, and how do you solve and evaluate the problem? Which AI metrics do you use to measure it? What is the dataset you used? [5%]
   6. Dataset exploration- explore your dataset. [5%]
   7. Algorithm and results – discuss the result. The innovative approach is the main score factor in this part: How much is your approach better and novel than other works? [20%]
   8. Summary [2%]
   9. Bibliography – [part of the related work score]
4. **Class presentation (5 minutes) ]10% out of the course score]**
   1. PPT (5 min):
      1. What is the problem you solved?
      2. What is the dataset, and if you improved the dataset?
      3. AI in the work (2 min)
      4. Demo (1 min)
   2. Class presentation (5 min)
5. **code:**
   1. **Share your code in the submission without models or large files (docker if you used one)**
   2. **Using advanced UI and docker to show the demo [5% of the course score]**