

## Meeting SAT Computer 12. december 2024

### Present:

- Dan Witzner Hansen (HoSP BSWU)
- Louise Meier Carlsen (Co-HoSP BSWU)
- Michele Coscia (substitute HoSP BDS)
- Malthe Rødsgaard Pabst Lauridsen (KDS)
- Paolo Tell (guest)
- Mahsa Varshosaz (guest)
- Mette Holm Smidt (ProCoor BDS/KDS)
- Allette Bjørn Bundgaard (ProCoor SWU/CS)
- Marc Kellaway (ProCoor SD, Secretary SAT CS)

### Absent:

- Luca Maria Aiello (HoSP KDS)
- Marco Carbone (HoSP KCS)
- Patrick Bahr (HoSP KSD)
- Cristina Avram (BDS)
- Nicklas Ostenfeldt Gardil (BSWU)

### Minutes:

#### 1) Approval of agenda

*The agenda was approved.*

#### 2) Approval of minutes from meeting 21 November 2024

*No comments received within ten working days, so the minutes are considered approved.*

#### 3) Industrial Master in Advanced Software Engineering

*Masha and Paolo presented the suggestion for the Industrial Master in Advanced Software Engineering as it looks right now. Due to the many uncertainties about the framework, things might still change.*

*Comments from SAT:*

Dan: It is nice with Introduction to Machine Learning as part of the mandatory courses. Perhaps you could talk with Novo Nordisk who do nice stuff merging computer science and software engineering? Can you say something about the separation between the elective courses in the way they are sorted in groups?

Mahsa: Some are foundational courses, and some are more advanced. We are working on recommendations for which courses to take together, if a student want to take their education in a specific direction.

Dan: Machine Learning can be hard to get into. Do you want the students to learn applied machine learning? Or to understand the background, which might need foundations in math?

Paolo: One of the foundational principles when designing the programme was, that when we go forward with this and have the first cohort, we will only use already existing courses so we create minimal extra work. Right now, we do not know who will apply anyway. Once we know the type of student and their background, then we can be able to cater better to their specific needs.

Mahsa: The idea is also to have a lot of flexibility. Some students might want the foundational stuff, while some might already have this and might want to jump into the more advanced courses.

Paolo: One thing - perhaps not so obvious - is, that there is a whole year set aside for the thesis, which would give interesting opportunities for collaboration with the company where the student is employed.

Louise: The mandatory courses – how do they relate? Are there any dependencies?

Mahsa: There are no dependencies to ensure flexibility. We have looked at the prerequisites for the six mandatory courses and will take them into consideration doing the admission.

Paolo: Also, some of the comments from the companies was, that the time might not even out to 50%/50% each semester. It might not be uncommon with students having a semester where they are 100% at the company, and then a semester, where they are 100% at the university. So, this is also to ensure flexibility in these cases.

Allette: Do you expect students to apply to this voluntarily? Or due to the cuts in the number of intakes for the normal 2-year master?

Mette: Our own students will still have *retskrav* to the normal master, but will be allowed to choose this one instead, if they want. But many BSc students do not continue on our master programmes. No one will have *retskrav* for the industrial masters.

Mahsa: It might also depend on the companies whether we have a flow of applicants for the master.

Paolo: The companies will probably not be interested to do this with new employees, but rather with existing employees.

Malthe: Regarding the courses, it will be important to make clear what the differences are between Introduction to Machine Learning and the Introduction to AI – including what the different prerequisites will be.

Paolo: The idea will be to have a guide for the applicants to show the different ways through the courses.

Louise: Have you discussed whether there will also be admission based on practical experience?

Paolo: They will need to have a bachelor degree to apply.

Mette: We would very much like to also base admission on work experience, but are not sure, if we would be allowed to do this. It is on the list of things we need to find out.

#### **4) Industrial Master in Analytics and AI in Business and Society**

*Comments from SAT:*

Malthe: I think it is nice that we will have an industrial master teaching managers what AI actually is – this is very much needed.

Louise: My thoughts as well. Also: Do we know how long these terms and this master will survive? Everything will be very different in a few years.

Mette: We should also compare this to the broader view the students get from the DIM programme. In evolving the programme, we still need to think about scope. Maybe also reach out to colleagues in other departments? Or in Data Science? But for now, it is like this.

#### **5) Time-slot for meetings in the spring**

*Marc is still awaiting a few emails, and will book the meetings when things are settled. No easy solution, as there are no time that fits all, so we will have to go with the least bad solution. This time-slot will probably be Wednesdays 14-15:30, as this is the time where most (almost all) people are able to do the meetings.*

#### **6) Information from SAT Members**

Malthe: I have talked to some of the international students, who have not taken their bachelor at ITU. They have lots of questions regarding supervision and the thesis project. The mail we got was good, but it would have been nice to receive it earlier.

#### **7) AOB**

*Small discussion on electives and how they are announced. Perhaps we should have a elective meeting for the BSc students? We will put this on the agenda in the spring.*