Faculty EWI (EEMCS)

MINUTES MEETING PROGRAMME COMMITTEE – CS

Meeting NR.

Date: **Tuesday, 14th of November**

Location: Online (Via Teams)

Time: 10.45 – 12.30

Present PC members: Rom Langerak, Anna Sperotto, Krystof Mitka, Alachiotis Nikolaos, Jakub Kosciolek, Mohammed Elhajj, Mikuláš Vanousek

Present not members: Vadim Zaytsev, Eline Meijerink, Marloes van Grinsven (all program management), Daniel Jonker (Inter-Actief), Sharon Vonk,Sabine Padberg (Registrar), Felicia Burlacu(Minute Maker)

Absent PC members: Mariska Frelier
Absent not members: Sanne Spuls (Study Advisor), Kishan Thakurani (Minute Maker),

1. **Opening and Determining agenda**
    a. Rom opens the meeting at 10.45
    b. Extra point in the agenda: Career Skills Coordinator

2. **Announcement PD**
    a. Zaytsev starts the announcements at 10.48
    b. The graduation ceremony happened on the 21st of October where more than 100 TCS students got their diploma. It was the first time that the ceremony was organized by the faculty, which was a success.
    c. The second meeting of the Industrial Advisory Board for TCS was held on 31st of October.
    d. The pilot for the Generative AI in Education was finished by Tom van Djik which ran over the course of the summer. Some ideas were already implemented for module 2, specifically the policy.
    e. The modules of the quartile ended, there is still some grading that needs to be finished.
    f. Online open days for the Bachelor and Master programs, and physical Open Days for the Master programme.
    g. The Discipline Council was held on the 31st of October. It was mentioned that the faculty of EEMCS is not affected financially, however it is unclear if there will be consequences due to the financial issues of other faculties.

h. The career skill coordinator position, which was part of the program development plan, needs to be finalized with the support of a letter of support from the Programme Committee.
i. The collaboration with Twente Pathway College is reestablished. The addition of Nedap University started on the 7th of November. They will start with following module 2 and will move on to three other modules of TCS.

Elhajj asks what are the reasons behind the decrease of 47 students who applied for the TCS programme compared to the previous year.

Zaytsev mentions that with the addition of the Numerus Fixus for the previous year, the programme experienced a decrease in the number of applications, as the process is more strict and stressful for the potential students. The drop also motivated the switch from Numerus Fixus to a mandatory matching procedure.

It is specified that the drop is not related to the topic of internationalization that is heavily discussed recently.

2.1 Career Skills Coordinator

Zaytsev introduces the topic of Career Skills, formerly known as Academic Skills or Skills, 21st Century Skills and it is complementary to the core of Computer Science, but essential to a smooth integration into the job market and industry. The component was constantly redesigned during the last couple of years with the help of the teacher involved in the component. At this moment, it has reached a stable form and needs a separate person for coordination so that the teachers can focus on the student interactions rather than admin tasks. The position could be immediately filled as one of the heavily involved people is interested.

Rom proposes to support this initiative and will write a letter of support from the Programme Committee.

3. Income - outgoing correspondence

a. Outgoing: Langerak answers to the Vice Dean of Education regarding the elections
b. Incoming: Training course for Programme members. Vanousek, Kosciolek and Mitka already signed up.
c. Incoming: Invite to the brainstorming session of the Institution of Language of the UT on the 23rd of November, from 14.30 - 17.30 organized by the working group of the language policy. Vanousek was already planning to attend.

4. Minutes of the 182th PC-CS meeting d.d. October 17th 2023

i. 610: Action point kept.
ii.632: Action point kept.
iii.   638: Action point kept, Removed Floor from the responsible members.
iv.   646: Action point kept.
v.   647: On the agenda for the meeting.
vi.   649: There are no transitional agreements needed.
vii.   651: Action point kept. On the agenda for the following meeting of the Examination Board.

viii.652: Action point kept.
ix. 653: Done.
x. 655: Done. On the agenda for the meeting.
xi. 656: Done. On the agenda for the meeting.
xii. 657: Action point kept, the meeting is scheduled for the second quartile.
xiii. 678: Done.
xiv. 679: Action point kept.
xv. 680: Done.On the agenda for the meeting.
xvi. 681: Action point kept. Lunch will not be provided.
xvii. 682: Done. Discussed at the meeting.

5. Points on the programme development of TCS

Mitka describes the first point in the programme development regarding the necessity to clarify whether the differences in content between basic and advanced modules would impact the prerequisites for other modules. Vonk specifies that the students can choose between the basic and advanced version of a module and in the event that the students can only complete the basic part of the advanced module, so the advanced parts are not prerequisites for other modules. The aim of the advanced version of the module is to deepen the knowledge.

Vonk mentioned that the completion of advanced modules will not be stated on the diploma. Stating it on the grade list is a potential option, but has to be further discussed.

Kosciolek requests an explanation about the advanced modules. Vonk explains that the advanced version of a module is a 20 ects credits module instead of 15 and is intended for students that already have some experience on the topic. For example, for module two that would mean a more advanced programming part and a different project.

Vanousek suggests considering the completion of advanced modules as part of the honors programme as it is mentioned on the diploma. Langerak supports the idea, however it is still early to be discussed as the pilot is not yet finished. Kosciolek mentions that the completion of advanced modules is different to the idea of the honors programme as it lasts 1,5 years.

6. a- Annual Report 2022-2023 b- Reflection c- Goals of the PC d- Guideline regarding MCQs

a. Meijerink mentions that the new module Data Science & Artificial Intelligence is not mentioned in the *Changes of the Curriculum* section of the report, and that the module Internship is not in fact new. Langerak explains that those were the topics discussed in the academic of 2022-2023.

b. There were no comments regarding the reflection part of the annual report.

c. The student members had a meeting regarding the goals of the PC. Mitka mentioned that there was a lot of discussion regarding specific content of multiple modules which are not feasible to be changed by the PC. One goal is to raise awareness among students about the PC. Additionally, another goal is to increase the number of people who participate in the SEQs. Another topic of discussion was regarding some preferences that students appreciate, but often are contradictory to the opinion of the teachers, for example: video recordings of the lectures, publication of exam solutions. There were discussions about making a student recommendation document about these

points, however further discussion will be held. Elhajj mentioned some adjustments that need to be made to the annual report - removing the lunch that would have happened after the physical meeting of the PC, as it is no longer possible.

d. Vanousek discussed the approach towards multiple choice questions. Different teachers have different approaches to it and to guessing corrections. Vanousek suggests making it clear in the Examination Regulations whether guessing correction should be part of a multiple choice exam. Grinsven explains that if the exam is held via Remindo, then guessing correction is applied by default. Vanousek discusses that in the case where an exam would have 100 questions with 4 potential answers, then 25 correctly answered questions would be considered to be randomly answered and the student will receive no points under guessing correction, so it is the process when less points are awarded than correct answers. Vanousek mentions that in the case when guessing correction is used, a student that has a decent understanding of the material (80% chance of correctly answering a question) can still gen unlucky and after guessing correction, will fail the exam. It is suggested to also discourage, ideally ban, True of False questions, as the number of these questions is very large in order to accurately assess the student while also applying guessing correction.

Vonk suggests informing the Examination Committee as they are the one that look at examinations and offer guidelines for it. Mitka mentions that it is important to take into consideration that a lot of exams combine different types of questions. Grinsven mentions that this should be part of the programme assessment plan. Langerak suggests also taking contact with the programme management as well.

7. QAI a- Proposal format b- System Security c- Programming Paradigms

a. Kosciolek presents the guideline for naming the QAI documents and the recommended template. Langerak proposes to adapt this. Kosciolek will rename the documents from this academic year. Langerak suggests making a Word Template document and sending it to the PC members.

b. Mitka discusses the QAI System Security. TUDelft will no longer be part of this course, so the feedback is expected to be improved as the majority of the negative feedback was from TUDelft. Continella plans to develop a new course focussing on a different part of security systems that would spread out over 2 modules. Twente Hacking Squad was also discussed. Langerak doubts that it is possible to spread out one course over multiple modules.

c. Kosciolek mentioned that there was a problem with integrating the new system for the TAs. TA could drop out after some weeks creating a lack of capability and other TAs had to compensate. There is also a new teacher for the concurrent programming course. The evaluation showed only one really upset about the outcome of the module. The current module coordinator and teacher will pass the teaching part to someone else for the following year.

8. A.O.B / Questions and Conclusion

i. Alachiotis may be absent at the next meeting.

ii. Langerak mentioned that graduation ceremony took a very long time. Vonk explains that is very hard to parallelize such an event, but a good idea is to make it twice a year.

Action points PC CS meeting 183

Nr.	Given in month	Meeting	Description	Responsible	Deadline
610	11/1/2022	172	Write down a clear overview of the process of obtaining, discussing, and publishing the results of the SEQ and teacher evaluation for future PCs	Zaytsev	April 2023
632	2/1/2023	175	Prepare a written report about New Year's event outcomes	Zaytsev	
638	5/1/2023	178	Carry out quality assurance interviews for Information Theory and Statistics	Langerak	June 2023
646	7/1/2023	180	Contact organizers of events such as BAPC	Jonker/Floor	
651	9/19/2023	181	Teachers should meet to decide the policy on AI	Ginsven	
652	9/19/2023	181	Carry out quality assurance interview for Intelligent Embedded Systems	Sperotto/Frelier	
657	10/17/2023	182	Report on the new meeting of the working group module evaluation	Meijerink	
679	10/17/2023	182	Speak at the following New Years event about the PC to raise awareness	Zaytsev	February 2024
681	10/17/2023	182	Organize an on-campus meeting of the PC in February 2024		
683	11/14/2023	183	Report on the 2nd meeting of the Industrial Advisory Board of TCS	Zaytsev	

684	11/14/2023	183	Write a letter of support from the PC for the Career Skills Coordinator	Langerak	
685	11/14/2023	183	Take contact with the Examination Board and Programme Management about a guideline for MC questions and guessing correction.	Vanousek	
686	11/14/2023	183	Rename past QAI documents according to the new guideline. Prepare a Word Template and send it to all PC members.	Kosciolek	