UNIVERSITY OF TWENTE.

FACULTY OF BEHAVIOURAL, MANAGEMENT AND SOCIAL SCIENCES

MINUTES BITOC MEETING

Date: Tuesday 25 April 2017
Location: Ravelijn 3411
Time: 12.30 hrs – 13.45 hrs

Present: Jos van Hillegersberg (chairman), Luís Fereirra Pires, Niek Khasuntsev, Christian Versloot, Remco van der Veen, David Lamers, Céline Heijnen, Marloes van Grinsven (?), Marten van Sinderen, Iris Heerlien, Lindsay Kempen, Hans Moonen

Absent: Paul Verhoeven (minutes), Roel Wieringa, Chintan Amrit,

1. Opening and Agenda

Jos van Hillegersberg opens the BITOC meeting. Lindsay is new at the BITOC and is asked to introduce herself. Lindsay is part of the new Candidate Board of Study Association Inter-*Actief.* Luís asks who is making the minutes for this BITOC meeting. Niek replies that today's meeting shall be recorded and that Paul is going to make the minutes with the audio file.

Hans Moonen is also present in today's meeting, as BIT Inc. will be discussed today. Furthermore, there are no questions or remarks regarding today's agenda.

2. Announcements

- **Students' Chapter Accreditation**
  Luís would like to have an update on this point. Remco replies that there have been two meetings, one last week Thursday and one yesterday. During these meetings both Bachelor and Master students were present, however the turn-out was not too high, but enough for useful input. The document shall be written in this week and forwarded to the students of BIT for feedback by next week. Also the study board shall receive this document.
- Remco announces that the next BITOC meeting shall be his last. Remco will be studying in Indonesia and is thus forced to leave the BITOC. Together with the other student members, a substitute for Remco will be sought-after.

3. Minutes and Action Points

Iris mentions that on the first page it is said that she was absent without notice. However, this is not correct, as she did notify the BITOC about her absence. Furthermore, no comments were made on the previous minutes and they are approved.

On the final page, the Action Points table can be found.

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4. Bachelor TER

Programme Intended Learning Outcomes

Luís mentions that the Intended Learning Outcomes from Business & IT have been revised. In a document, he has written down certain questions to the BITOC. He would like to know whether the BITOC finds the Learning Outcomes acceptable in its current form. Also, some regulations from the OER itself are present. There has already been anticipated on the upcoming events in the 'Grade Board'. In principle, this is similar to how it was done last year.

Céline continues by saying that Luís, Marloes, Roel and herself have worked on the final terms of the Bachelor and Master a few weeks ago. For the Bachelor, they looked at the 'framework' of 2010, in order to see how everything was grouped at that time. In several workshops attention was paid to certain important domains and important 'learning lines' from the study. As a result, six categories were developed: the business domain, the IT domain and the skills line. Three knowledge domains are to be distinguished within the study. Furthermore, the study has a scientific approach, professional skills, research methodology and the ethical aspects. Business & IT is an international study, focussing more on differences between cultures. Within said categories, a number of end terms has been formulated.

A substantial amount of the end terms has been reintroduced and reformulated. From that, the given table found in the document has originated. Remco asks if it is known what end terms match with what subjects. To this question, no clear answer is given. Luís does mention that one starts with 'what they had', then searches for what is missing and finally takes into account the 'Meijer's Criterion'. This is a criterion focussed on knowledge, skills and attitude. The four technical universities in the Netherlands all use this criterion, as it is seen as the current standard. After the criterion, a check is done to see what is present in which modules.

Also, Céline mentions that she still has to alter the tables according to the new end terms. She now sees a better match, as certain things were missing in the existing end terms. With the new end terms a clear link can be made between what knowledge the students are supposed to possess at the end of the study and how the modules aim to achieve that knowledge.

Luís expects some criticism towards the decision to not alter the learning goals during the transition to TOM. Apparently, he mentions, there was some sort of agreement in which it was stated that BIT would introduce TOM without changing its learning goals. Céline replies that nobody is/was aware of that. Luís considers the learning goals to be quite 'weak'. It took a lot of time to make the goals better, which is why Luís is proud of the current progress. However, it is up to the BITOC to make a judgement about this as well.

Jos agrees with Luís, and finds it a substantial improvement. Luís adds that much attention also has been paid to the societal context. Jos does have some points of criticism. First, he is missing the term architecture in the document. He finds that important as the study contains quite some enterprise architecture. Céline replies that discussions were held about this term, and that they deliberately decided to stick to a more general context. Another term Jos is missing out on is: analytics. One of the modules is fully focused on this topic. He finds it 'traditional' to not mention this term, which in his opinion is a mistake, as innovativeness is exactly what makes the study special. Luís replies that the most involved domain for this study is business. Luís cannot deviate

from this. However, Jos finds it important to mention what aspects make the study unique. Luís disagrees and believes that changing this term does not change the completion.

Luís mentions that reformulating many terms is possible but that, that increases the total number of words. He does not think that increasing the number of words makes the document better. Jos thinks that it is of high importance to mention what is important for the study. Furthermore, Jos has the opinion that entrepreneurship is mentioned, but not clearly enough. He asks Luís why he refuses to write it down more explicitly. Luís says that he is not able to operationalize it. Though, Luís mentions that even though he disagrees, he would be willing to change it for Jos. Jos thinks that the word entrepreneurial attitude differs from educating entrepreneurs. Luís decides to keep the sentence as it is now, but will add the sentence 'and has an entrepreneurial attitude'.

Luís asks how he will receive the feedback and if it is an idea to have everybody send in comments? Jos thinks it would be good to map the modules, on which Céline is working. Céline mentions that it requires a lot of time to check if everything is correct. Remco asks if the learning goals are altered with respect to the subjects, or if it is the other way around. Céline replies that one should look at the match and that the end terms have to be altered when they do not have a match with the subjects. Remco adds that when there is no match with the end terms something apparently is not going too well.

Remco also mentions that it would be wise to add some sort of introductory sentence to the document. Luís agrees with him. Jos concludes that everybody should check the document and send possible feedback to Céline by Thursday.

BIT Inc. and Bachelor Research in 2A and 2B, resp.

Hans starts by saying that the BITOC has received a document concerning this subject. Two years ago this was also discussed in a BITOC meeting. It is the idea to also convert the third year of the Bachelor to the module system. The old subject BIT BV. Was organised in two parallel quartiles, combined with the Bachelor Thesis. At the time, the thought arose to bring this back to individual modules. About this topic, multiple meetings were organised and eventually the BITOC decided to put this on a hold and keep things as they were. The BITOC did provide Hans with some 'homework' regarding the improvement of said courses.

In the time following the decision, the course has been given three times. In the document, Hans has written down a course description and a description of how the course is taught. The current situation is a bit strange, as BIT students follow a semester system and TCS students a quartile system. Hans continues by saying that last year some students did BIT Inc. in one quartile. In order to prevent students from being able to start 'late', multiple decision have been made to tackle the problem. First, the number of students should be known timely. Secondly, there should be a sufficient availability of company projects. Finally, an agreement with the company should have been made before the students kick off with the projects. Hans says that in table 2 the BITOC can see that many of these went well. Only one requirement was not passed, due to a problem with the enrolments.

Hans continues by saying that after BIT Inc. students often receive offers to continue working for the company, paid. Last quartile this was also the case, and for the current module it is also occurring. Hans is confident that changing the system from one semester to two modules will work. Jos replies by saying that initially, he was

anxious for too low numbers of starting students. Hans replies by saying that this was the case for the first edition, but that as a solution the students were combined with TCS students. Celine adds to this that in order to maintain proper progress amongst the students, this course should be offered twice a year.

Christian asks a question about the amount of available company projects. He wonders if there would be sufficient projects when the number of students increases. Hans replies, this year he had two backup projects. The reason for the backup projects is that students can pick their own company for BIT Inc. He does not think that acquiring new company projects will be a problem in the future. Christian continues by saying that he has received mixed results. Some groups are extremely enthusiastic about BIT Inc. whereas others are not. Some students feel that separating BIT Inc. and Bachelor Thesis will lead to too few time for either of the modules. However, Remco replies that for TCS the same results were achieved for the Bachelor Thesis as before.

Hans is positively surprised by the experience of the group doing BIT Inc. in one quartile. He expects positive effects as a result of the intensification. Jos says that he does not see any substantial objections from the BITOC, and would like to thank Hans for his work.

The BITOC advises to implement the proposed changes to BIT Inc.

5. Master TER

Programme Intended Learning Outcomes

Luís mentions that for this topic the same explanation applies. Point 20-16 is slightly different, as it offers more possibilities for choice. Furthermore, the structure is slightly different. He continues by mentioning that in the document three learning goals can be found, one for each specialisation. Business Analytics has now gotten a different name. Jos says that, looking at the remaining time, it would be wise to have everybody look at the outcomes by their selves and forward any possible comments.

Luís says that the documents for the Master need to be finalised earlier than the documents from the Bachelor. For this, he would like to receive an approval from the BITOC as fast as possible, as the document needs to be send to the faculty board. For the Master this can be done, as the documents are finalised. For the Bachelor, they are still awaiting the 'Romp OER'.

Jos concludes by saying that the members of the BITOC can send in comments at the latest on Thursday. When everybody has agreed, a letter of approval shall be sent.

6. Discuss the results from the Keuzegids

The documents for this topic are missing. Furthermore, it has already been discussed and should not be on the agenda. It will be removed.

7. A.O.B.

Remco
Asks what restaurant to go to. He can decide by himself, though it should have at least some Michelin stars.

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Céline
Asks if the student members of the BITOC are going to look for a substitute for Remco. As mentioned before, the student members will do so.

Iris
Would like to thank the student members of the BITOC for their hard work, on behalf of the Education Committee of Inter-*Actief.*

8. Closing

Jos closes the meeting. The next meeting shall be on the 30th of May 2017.

9. Action Points

The finalised actions points are in the style 'strikethrough'.

Nr.	Date	Subject	Leader	Status/deadline
32.	~~28-03-2017~~	~~Discuss the results from the Keuzegids~~	~~BITOC~~	Completed
33.	~~28-03-2017~~	~~The student members shall notify the BITOC regarding the coordination of the Students' Chapter and provide the BITOC with a general outline of the chapter.~~	~~Student members BITOC~~	Completed
34.	28-03-2017	Reserve a table in the restaurant for after the workshop.	Remco van der Veen	Remco has not received a reply from everyone, so the reservation has not yet been made.
35.	28-03-2017	Book a room for the workshop on 31 May from 14:00 onwards	Céline Heijnen	Not done yet.
36.	28-03-2017	Discuss and screen the 'Skills Line'.	BITOC	For next BITOC meeting (30 May 2017).