

Progress Meeting Minutes iTEM Project

Online meeting

December, 10th, 2021

Participants: Almost all the partners participated in this meeting. We had no participation from UMIT National University of Uzbekistan.

Next Meeting: to be announced during January 2022

YouTube Link: <https://youtu.be/ZUm0eqdlQWg>

1. **Topic #1:** *CVUT & HIT teams update/present us the notebook with the real-life examples (already uploaded or new ones) and can be used by any Math teacher.*

- We should copy the existed examples to Nissim's template so to be coherent – Nissim's & HIT task.
- The composition of a series of examples in Linear Algebra and Calculus – please elaborate in the existed ones – that Mathematicians or people teaching Mathematics can use as an offer of the project to them. The examples also should contain demonstrations (applets) using Matlab or even better Mathematica. HIT has contacted two students that will make the conversion of the Matlab codes to Mathematica.
- This is a task assigned to Eva (CVUT) and Nissim (HIT). Both of them using an Erasmus KA107 mobility will work during January towards the finalization of these examples. The agreed deadline to have the first five of them under a uniform presentation template by the **31st of January 2022**.

2. **Topic #2:** *FINKI team will update us about the modules that exist/uploaded into the iTEM Moodle platform and the collection of the visualizations that have been uploaded (which and by whom).*

- A Moodle course has been generated with all the applets and simulations build along the courses taught in the test Institutions. 54 pdf files have been

uploaded, and 36 visualizations (Kosovo, Israel and Uzbekistan). Ivan will email the coordinator which partner has done what visualizations. The latter should be compatible with Mathematica. It is strongly suggested all the visualizations to happen using Mathematica. The report from FINKI should reach HMU by the end of December 2021.

3. Topic #3: *WIS team report on the roll-out events that happen online: 1st and 2nd phase; please update us about the related reports and of the future steps suggested by WIS squad.*

- WIS has started to finalize the responses have been received from the students' questionnaires (from the first round). WIS informed us that very few lecturers have responded to the 'reflection questionnaires' during the 1st round. As a consequence and thinking of the COVID-19 restrictions, WIS plans to interview lecturers instead of sending the reflection questionnaires. The students satisfaction questionnaire will be applied with some modifications. The most informative questions will be kept for the 2nd version of the students' satisfaction questionnaires. The 2nd version of students' satisfaction questionnaire will reach the test Institutions by **the beginning of May 2022**. Regarding the lecturers' interviews using zoom, WIS will send to the coordinator the slots (date and time) that these interviews will happen.

4. Topic #4: ULL team has prepared the program of a hybrid event from the 15th to the 18th of March in Tenerife entitled 'Innovation on teaching Mathematics at HEI: Experiences on Classroom'

- A symposium in 'Innovation on teaching Mathematics at HEI: experiences on the classroom' from the 15 – 18 th of March, 2022 will be hosted by ULL. The contribution consists from (a) a short presentation up to 15 minutes – that will be also published through the iTEM website; and (b) a scientific paper up to 10 pages. The papers will be published in either the Proceedings of the Symposium edited by the ULL or the European ATENA Research Book. The topics can be presented during the conference are the following:

- Teaching: Innovative methodologies and procedures.
- Assessment procedures.
- Use of technologies.
- Real Life problems
- On Line / Hybrid Teaching
- Other topics...

The coordinator should inform all the iTEM partners about the ATHENA Research Book publication options. **The abstracts should have been submitted by the 31st of January, the registration to have been completed by the 7th of March 2022 and the submission of the full papers to have been completed by the 1st of April 2022.** Any info should be requested using the: SympITEMULL@ull.edu.es . ULL should send to the coordinator all the links and information about the Symposium so a webpage in the principal website to be generated. The coordinator should circulate all the information regarding the Symposium to all the partners and beyond.

5. Topic #5: WIS & KSU and program partners to design a series of online seminar talks in the context of teaching mathematics starting from February 2022 (two colloquial talks every month) / I will help also with the identification and invitation of speakers in the field, however, we have experts that can invite their colleagues and also activate our Associated partners.

- The coordinator, Dr. Petridis, will initiate a link between iTEM and two newly approved for financial support projects: PITHAGORAS (coordinator is the University of Sibiu) and MATHDIGGER (coordinator is the Institute Politecnico do Porto). Beyond the exchange of ideas between these projects, Dr. Petridis wish to launch an extra activity within the iTEM: the introduction of colloquial talks (duration of 45 minutes plus 15 minutes of Q&A) in the field of Teaching Mathematics including pedagogical approaches, case studies and technological tools are employed. This new extra activity will allow the transfer of funds (higher than 10% to the sending category) from the travel costs (mainly unspent

due to COVID-19 crisis waves). **Contributions** are going to be requested by partner Institutions from all the projects (especially from iTEM experts on the topics) but also beyond the consortia. The colloquial talks will be delivered free of charge. There is too much bureaucracy to subcontract someone for this purpose. However if you think so please suggest to us the speaker to be contacted. Contacts will be requested by all the partners. **The partners and also our Associated Partners (Rodrigo will be the contact person with our Associated partners) can contribute with participants, academics and students, but also with speakers.** The intension is to start this activity in March. **The doodle link** to vote for the most convenient day (two colloquial talks per month) [is here](#). Please respond by **the 6th of January 2022**.

6. An update financial reports will be requested by our financial office in order to check the spendings in comparison with the deliverables you have send or demonstrate. This will start in January and should have been completed by the end of February in order to check the need to transfer extra funds to you.
7. **The iTEM next newsletter will disseminate:** (a) The ULL symposium; (b) the new approved projects in Teaching Mathematics as a product of the iTEM; (c) the presentation of the iTEM during the EACEA event at the end of October 2021 (find out the YouTube channel link).
8. **The coordinator** will prepare a TRELLO page to identify what has been done and what is missing by the end of the project. **For example ULL reminded us the tasks has to be completed by them in the frame of WP3 regarding the surveys to be completed regarding the use and satisfaction of Scholars using ICT along their Mathematics Lectures. This is something that should be completed into two steps by the end of February and May 2022 (output 3.2 and 3.8).**
9. **The organization of a progress meeting in Israel, hosted by HIT & HAC in July** has been proposed and been accepted. Nissim will send us the suggested dates of a three days meeting: progress, financial reports and demonstration of the implemented deliverables.

Topics did not discussed / be discussed in the January's meeting

- 1. UMIT will update us** about the prediction model and the future actions/modifications to happen (HIT/HMU).
- 2. HMU team** to propose the running of the precalculus course in Uzbekistan and Kosovo using online and face-to-face lectures.
- 3. Israeli (HIT, Hadassah), partners from Uzbekistan partners (NUZ, TUIT, and KEEI), and Kosovo partners (Mitrovica, UC, and Pristina)** to inform us about the policies followed towards students under risk to fail.
- 4. Brainstorming action** within the consortium for dissemination actions in the partner Countries
- 5. Assign the update of the social media page** - FACEBOOK page
- 6. Plan an educational event (conference type) in July in Israel** (the only place in the partner countries that everybody can travel to) - ask WIS to host such an event (HIT/Hadassah/WIS)
- 7. Link iTEM with the European University ATHENA and other projects** (HMU)