ANNEX 2

UNI-TEL e-course: Draft syllabus and questions concerning the material production process

Code of the topic M3-6	Name of the topic Best practices of virtual and remote labs: A global perspective and the Iranian experience	
Names of subject experts		**Email**
First name	Surname	
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Learning objectives
- Objective 1: Learners will be introduced to the place of the concept of virtual lab and remote laboratory in the e-learning system. - Objective 2: Learners will be introduced to the concept of virtual laboratory and remote laboratory. - Objective 3: Learners will understand the importance of designing a virtual lab and distance lab in engineering education. - Objective 4: Learners get an overview of the best examples of virtual labs and global remote labs. - Objective 5: Learners should get acquainted with the sample design of virtual laboratories and distance laboratories in Iranian engineering education. - Objective 6: Learners will recognize the factors on the effectiveness of remote labs in learning outcomes. - Objective 7: By presenting an Iranian case study, learners understand students' perspectives on the quality of design and activity and their learning outcomes in virtual and distance labs.
Content of the topic: - The status of the virtual lab and remote laboratory concepts in the e-learning system - The concepts of virtual laboratory and remote laboratory - The importance of designing a virtual lab and distance lab in engineering education - The best examples of virtual labs and global remote labs: A global perspective - Design of virtual laboratories and distance laboratories in Iranian engineering education, Shiraz University - Factors on the effectiveness of remote labs in learning outcomes - Students' perspectives on the quality of design and activity and their learning outcomes in virtual and distance labs: an Iranian experience
Evaluation methods and criteria - Evaluation and assessment of learners' knowledge will be measured immediately after the end of the course with a gamification approach. - The best experiences and lessons learned by the audience from designing remote and virtual laboratories will be shared.
Questions at this point of the process?

Note: add the names of subject experts also in GoogleDrive:

https://drive.google.com/drive/u/1/folders/1Hgmec15bL0vKGilI2y01SJioH0ysq77b