**UNITEL-SUT\_faculty(Q)**

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Cover letter

Hello

This is a project for Sharif University of Technology. For our first step your opinion about some topic areas(theory and practice, ...). Because you are a teacher at Sharif University of technology/University of Tehran/ Charmin University/..., we are inviting you to participate in this research study by completing the attached surveys.

The following questionnaire will require approximately 13min to complete. In this study, you will be asked to complete an electronic survey. There are no risks associated with participating in this study. The survey collects no identifying information of any respondent. All the response in the survey will be recorded anonymously.

Copies of the project will be provided to the Vice Chancellor for International Affairs of Sharif University of technology. If you choose to participate in this project, please answer all questions as honestly as possible and return the completed questionnaires promptly. Participation is strictly voluntary, and you may refuse to participate at any time. Thank you for taking the time to assist me in our project. If you would like a summary copy of this study please email: a.mehrabi1376@gmail.com. Completion and return of the questionnaire will indicate your willingness to participate in this study. If you require additional information or have questions, please contact me at the number listed below.

For answering these questions PLEASE DO NOT think a lot.

Dr. arafe Bigdeli

Amirreza Mehrabi

Sama ghoreyshi

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**information**

1. You are a faculty member at the .... \*

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Sharif University of Technology, Tehran

University of Tehran

Chamran University, Ahvaz

Isfahan University of Technology, Isfahan

University of Sistan va Balouchestan, Zahedan

University of Shiraz

Other:

**Topic area: theory and practice**

\*Practice refers to the actual observation, operation, or experiment. Practice is the observation of disparate concepts (or a phenomenon) that needs explanation. A theory is a proposed explanation of the relationship between two or more concepts, or an explanation for how/why a phenomenon occurs

\*\*It is important for us to know what is your feeling about the theory and practice in University and the efforts to equalize them, and your opinion about the application of TEL.

1 The university promotes the role of “instructors” who supports teachers in the development of the course

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

2.We encourage our instructors to focus on theory more than practice. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

3.There are well-equipped workshops and laboratories in our university. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

4. We have the needed infrastructures for applying engineering practice in an online environment.

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

5. There is a scheduled program in our university to integrate practice with theory in our engineering curriculum. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

**Self-regulation and motivation**

\*ARCS models: This model is particularly important for e-learning, since motivating learners in an online course more difficult than in face-to-face courses. There are four components of the ARCS model, and stands for Attention, Relevance, Confidence, and Satisfaction.

\*\*Technology enhance learning

\*\*\*Self-regulation is the ability to monitor and manage your energy states, emotions, thoughts, and behaviors in ways that are acceptable and produce positive results such as well-being, loving relationships, and learning.

\*\*\*\*How does self-regulation relate to motivation?

(Self-Regulation as a Process) Students who are motivated to reach a certain goal will engage in self-regulatory activities they feel will help them achieve that goal. The self-regulation promotes learning, which leads to a perception of greater competence, which sustains motivation toward the goal and to future goals.

6. Our university supports and encourages professors who use TEL in their teaching and learning. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly Agree

7.Faculty involvement and enthusiasm greatly facilitate the implementation of TEL approach in engineering programs. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly Agree

8.We provide our instructors and students with support (technological, technical, mental, attitudinal, …) before and during TEL. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

9. We believe that students should be self-regulated learners. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

**Topic area: knowledge, skills, and attitudes**

\*PBL: project base Learning

These questions help us to know "how TEL help you to enhance your students skills".

10. What Approaches your department used to enhance instructor’s competence in skills?

(you may choose more than 1 answer)

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Hire new faculty who have industrial experience

give newly hired faculty a year in industry to gain the experience before they begin teaching

Provide educational programs, such as seminars, workshops, and short courses, for current faculty

allow current faculty leave or sabbaticals to work in industry

Recruit senior faculty with significant industry experience to teach and mentor other faculty

attract practicing engineers from industry to spend time teaching at the university

none of the above

Topic area: working-life orientation

Topic area: working-life orientation

The opportunities that online learning has and how it effects on your teaching and life.

11. Curricula should be revised and made more effective for technology-enhanced learning.

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

12.The university has a specific plan to improve our collaboration with business and industry.

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

13. Describe the current forms of university-business collaboration in use at the university (This may include, e.g., visiting speakers, visits to companies, internships, job-shadowing, etc.)

Topic area: pedagogy for technology-enhanced learning and culture of teaching

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Pedagogy, taken as an academic discipline, is the study of how knowledge and skills are imparted in an educational context, and it considers the interactions that take place during learning. Both the theory and practice of pedagogy vary greatly, as they reflect different social, political, and cultural contexts.

14.We ask our instructors to adapt their teaching style to one that is more student-centered. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

15.There are workshops and support group in the university supporting instructors in design of technology enhanced learning. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

16.The university has specific plans to foster and encourage team-working and collaboration in engineering education (e.g. launching collaborative learning approach in courses)

Strongly disagree

Disagree

Neutral

Agree

Strongly Agree

17.The university has instructor development programs in order to support instructors in enhancing their competence, in teaching and learning, pedagogy and in new forms of evaluation. \*

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

18. If there is something that you want to add concerning the themes of the questionnaire, please feel free to share your thoughts. \_\_\_\_\_\_\_\_\_ (text box here)

**Thank you SO MUCH!!**

For the next step in our project, we have an interview, If you want, we can call you for that.

19.If you want to join us for the interview, please write your Phone number, Email, or Telegram ID.UNITEL-SUT\_faculty(Q)

\* Required

Cover letter