TALTECH scenarios for training sessions face to face or online. 29.09.2021

1. Check what relevant courses are taught in TalTech and offer the education program/syllabus/some lecture notes for in-service training (IST). See also Digital Health M.Sc. https://taltech.ee/en/hct and E Medicine centre https://taltech.ee/en/emed-lab

> E-Medicine Centre | TalTech
> E-Medicine Centre (eMedLab) with Digital Health MSc programme is the largest e-health research and education centre in Estonia. The research centre is focused on developing IT solutions related to the digitalisation of health care (e-health) and studying the interoperability factors necessary for its implementation. These factors include strategies, standards, IT architecture, data statuses ...
> taltech.ee

2. https://www.inforegister.ee/en/90004527-PARNU-HAIGLA-SA, https://scorestorybook.ee/en

   Medical projects, Public Procurement presented by Kätlin Joala, Doctoral student.

   https://www.err.ee/1608183883/katlin-joala-kas-euroopa-on-valmis-raakima-meditsiinitoodete-piirhindadest

> 
>
> Digital Health (MSc) | TalTech
> Health care delivery is changing rapidly. Digital technologies are having an enormous impact on individual health and society's well-being. New innovations are needed to solve the future challenges of health care delivery. Digital Health master's programme gives you the skills and interdisciplinary knowledge to implement new technologies in health care and provides practical examples of ...
> taltech.ee

3. Introduce the participants to Moodle as an educational tool for the above activities.
4. Deliver training and lectures by Ralf Martin Soe

https://digigovlab.ee/people/ralf-martin-soe/
https://www.etis.ee/CV/Ralf-Martin_Soe/est for inputs on e-health. RALF-MARTIN SOE-Director, Research Manager

- ralf-martin.soe@taltech.ee

- The Smart City Centre of Excellence will implement the projects financed by the European Regional Development Fund and the Estonian Ministry of Research and Education.
- For the projects chosen in 2021 and carried out in Jan 2022 - May 2023 we have got a total budget of 1.2 million euros. Ideally, we could execute 2 projects with this budget.

  According to the financing rules we are allowed to cover the salary costs of the pilot projects teams hired by TalTech and maximum 25% of a pilot project budget can cover the piloting costs of Estonian towns or urban areas. Both can also purchase needed services, materials, etc.

5.Implementation of electronics in medical technology.

Professor Mart Min,
https://www.etis.ee/CV/Mart_Min/est?lang=ENG&tabId=CV_ENG,

He is involved in 3 new medicine related Estonian governmental projects.

Fields of research:

ETIS CLASSIFICATION: 4. Natural Sciences and Engineering; 4.8. Electrical Engineering and Electronics; SPECIFICATION: Research in the field of electronic components and subsystems of embedded systems, measurement science and systems engineering. Technical dignosticsETIS CLASSIFICATION: 4. Natural Sciences and Engineering; 4.7. Telecommunications; SPECIFICATION: Research in the field of electronic systems engineering. Intelligent measurements with applications in scientific experiments in electrochemistry and applied physiscsETIS CLASSIFICATION: 4. Natural Sciences and Engineering; 4.9. Medical Engineering; SPECIFICATION: Medical dignostics. Implementation of measurement science and technology in scientific experiments in medicine and biology. Electrical bioimpedance with applications in medical diagnosing, biology and physiology,

Title: Electrical bioimpedance based sensing in medicine and wellbeing.
Structure:

1. What means the electrical bioimpedance of biological matter?
2. Where the bioimpedance based sensing can be used?
3. Bioimpedance sensing in:
   a) Cardiology and vascular research
   b) Pulmonary research
   c) Practical applications, examples from medicine and rehabilitation/wellbeing

6.NON-TECHNICAL CYBERSKILLS AND CYBERSECURITY AWARENESS IN PUBLIC ADMINISTRATIONS of Health Care sector.Study course modules:

Cyber awareness raising: trainers' perspectives
Public administrations in the time of digital transformation:

Development opportunities for cyber security degree programs

Dangers and vulnerabilities in data and information security. The importance of privacy enhancing Technologies

The new means of information awareness training

https://www.icurere.com/wp4

WP4:In-service training (IST)
Heading 2
IST for the best care

Development of in-service lifelong learning training (LLT) program (4 modules: ISM1-ISM4) in the area of e-Health innovative Medical/health/IT/engineering. Equal to 20 ECTS. Learning outcomes:

A. Thorough knowledge of the general principles of E-Health policies, ethics, equity & legal issues,

B. Understanding of the complex E-Health systems which are unique in their operations and possesses;

C. In-depth enterprise-university knowledge practical skills.

The in-service training program consists of 4 modules is delivered in both Lebanon and Egypt

ISM1. Information, Communication and Engineering Technologies (ICET) in Medical and Healthcare

ISM2. Computerization of Medical Records and E-Health services

ISM3. Medical Errors, Malpractice and Risk Management

ISM4. Through integrated E-Health system and visions into the future of Healthcare.

Dear Madli
I went through the document. We already had same information since long time ago. I have the following comments
1- you must create training course modules with contents, objectives, teaching or training methods, etc. the course modules should be equal 5 full days. which means 40 hours.
2- The staff you are involving are very good and highly competence professors, but they are expert in Information technology and informatics. our project is focusing on medical target stockholder, medical and health care students, professors and professionals with medical background. Our target is not informatics students or researchers.We need someone with medical background to run theses training because they are the one who deals with the patients. not the informatics staff. Or at least try to make a combination of IT and Physicians.

We meet today and later try to find a possible solution.