Paneuropean Obstetric emergencies management Simulation Enhanced training
POEM SET

C5::Digital Capacity Building Training Session – Madrid, 2023- 2, 3, 4 October 2023

Location: Universidad Carlos III de Madrid (Spain). Department ot Telematic Engineering, Torres Quevedo Building.

Meeting Room: 4.1.F03 (first floor)

General Information

General Objectives

The primary goal of this training is to acquaint participants, including engineers and healthcare educators, with the process of designing and developing a serious game for enhancing soft skills training in the field of health science.

Methodology

The training will consist of both theoretical and practical components. In the theoretical segment, the trainers will provide comprehensive insights into serious game design, covering both pedagogical and technical aspects. In the practical phase, trainees will collaborate in multidisciplinary teams, comprising healthcare professionals and engineers. Guided by the trainers, they will deliberate on selecting the primary pedagogical objectives of a POEM-SET scenario, as well as its technical feasibility. Throughout the course, each team will apply the knowledge gained during the theoretical sessions. On the final day, they will present the progress achieved in their respective scenarios.

Prerequisites

Participants must provide an email address (preferably Gmail for resource sharing). They should bring laptop to participate in the eventual practical activities and to fill out the form that will be requested at the end of the course (learning and satisfaction).

Trainers Profile

Short Bio of Trainers

Inés Fernández Vallejo is a multidisciplinary engineer with a passion for emerging technologies. In 2022, she received her bachelor's degree in Image and Sound Engineering from UC3M. During this time, she did an Erasmus program in Paris at Telecom Sudparis, where she gained valuable experience in virtual reality development using Unity. After completing her bachelor's degree, she pursued an internship in cybersecurity at Nationale Nederlandeen. She is currently doing a Master's degree in Information Health Engineering in the UC3M, where she is learning cutting-edge topics such as deep learning, machine learning, NLP, Computer Vision, and augmented reality. Her Master's thesis is focused on speech and emotion recognition using deep learning techniques. She is now also working as a research assistant in POEM-SET.

María Blanca Ibáñez obtained her Bachelor's and Master's degrees in Computer Science from the Simon Bolivar University, Venezuela, in 1979 and 1982 respectively. She went on to earn her PhD degree in Computer Science from the INPG, France, in 1990. After completing her doctoral studies, she pursued two postdoctoral fellowships: the first at the European Computer Research Centre in Munich, Germany, and the second at Heriot-Watt University in Edinburgh, UK.

Prof. Ibáñez served as a full professor at the Simón Bolívar University, where she directed numerous research projects and oversaw the postgraduate programs in Computer Science. Currently, she is an assistant professor at the Carlos III University of Madrid since 2018. Her research focuses on eLearning using gamification techniques, as well as emerging technologies such as 3D virtual environments, augmented reality, and wearable computing for learning processes.

Trainees Profile and selection criteria

Knowledge level:

Pedagogical engineers and healthcare teachers who are interested in participating in the development of a serious game from the point of view of technical or pedagogical design.

Selection criteria:

Previous knowledge in serious game or simulation.

Number of participants:

Maximum of 15 participants.

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Agenda

Monday, 2th October 2023

09:00 – 09:30 Welcome and registration.

09:30 – 11:00 Introduction. Translating Simulation Scenarios into Actionable Implementation Plans in Virtual Worlds (María Blanca Ibáñez)

11:00 – 11:30 Coffee Break

11:30 – 13:00 Breakout session: Breaking Down the Workflow of a Simulation Scenario: Essential Components and Best Practices (teamwork).

13:00 – 14:00 Lunch

14:00 – 15:30 Breakout session: Breaking Down the Workflow of a Simulation Scenario: Essential Components and Best Practices (teamwork).

15:30 – 16:00 Coffee Break

16:00 – 17:00 Breakout session: Group discussion and feedback.

Tuesday, 3th October 2023

09:30 – 11:00 The Potential of Chat-GPT in Simplifying User Story Development (María Blanca Ibáñez & teamwork).

11:00 – 11:30 Coffee Break

11:30 – 13:00 Breakout session: Creating Simple User Stories: Mapping the Workflow of a Simulation Scenario Developing Actionable Implementation for a Subset of User Stories Part I (teamwork).

13:00 – 14:00 Lunch

14:00 – 15:30 Breakout session: Creating Simple User Stories: Mapping the Workflow of a Simulation Scenario Developing Actionable Implementation for a Subset of User Stories Part II (teamwork).

15:30 – 16:00 Coffee Break

16:00 – 17:00 Breakout session: Group discussion and feedback.

Wednesday, 4th October 2023

09:30 – 11:00 Building Scenarios in VTS Editor: Essential Components and Workflow (Inés Fernández Vallejo)

11:00 – 11:30 Coffee Break

11:30 – 13:00 Breakout session: Specifying feedback to users (teamwork).

13:00 – 14:00 Lunch

14:00 – 16:00 Breakout session: Group discussion and feedback.

16:00 – 17:00 Closure.

Practical Information

How to get to Leganés Campus

https://www.uc3m.es/about-uc3m/how-to-get-here/leganes-campus

Google Maps

Leganés Campus Address: Avda. Universidad, 30. 28911 Leganés, Madrid

Building Torres Quevedo

Room: 4.1.F03

By train (Renfe, Cercanías): STOP: Leganés Central
By Subway (Metro): STOP: Leganés Central
By bus (bus): STOP: Leganés Central

UC3M recommend

- **From the airport:** take the underground/metro line 8 to Nuevos Ministerios. Change to the commuter train line (Cercanias) and take any train going to Atocha station (C2, C3, C4, C7, C10). In Atocha, take line C5 in the direction of Humanes and get off at Leganés Central. Upon leaving the train station from the main exit, turn left and walk straight on for 5 minutes until you reach the University. WE RECOMMEND THAT YOU DO NOT TAKE THE METRO TO UC3M.

- **From the AVE:** in Atocha station take the commuter train line (Cercanias) C5 to Leganés Central. Upon leaving the train station from the main exit, turn left and walk straight on for 5 minutes until you reach the University.

- **From the centre of Madrid:** the quickest way is to take the metro line 1 to Atocha Renfe station and then take the commuter train line (Cercanias) train C5 to Humanes and get off at Leganés Central. Upon leaving the train station from the main exit, turn left and walk straight on for 5 minutes until you reach the University.

Hotels

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