
ASSIGNEMENT 2: NEEDFINDING

- Marra Benito (s295220)
- Grande Francesco (s296962)
- Rota Luca (s303941)
- Sciara Lorenzo (s303462)



DOMAIN OF INTEREST

We chose the preparation of medical pre-trainings, because we thought it could improve the daily activities that a medicine student does.

Based on the additional interviews, we focused our attention on post-graduate surgery pre-trainings.



ELENA BARRILE

Interviewed by Lorenzo and with Benito taking notes, she is a 26 years old at her last year of medicine studies, who has had several training experiences also in the field of surgery. During Covid period she could not do any training because of the emergency.



VINCENZO IANNIBELLI

Interviewed by Lorenzo and
with Luca taking notes, He is
a 29 year old at the
specialization in
radiodiagnostics. He has
many years of experience in
both theoretical and practical
fields

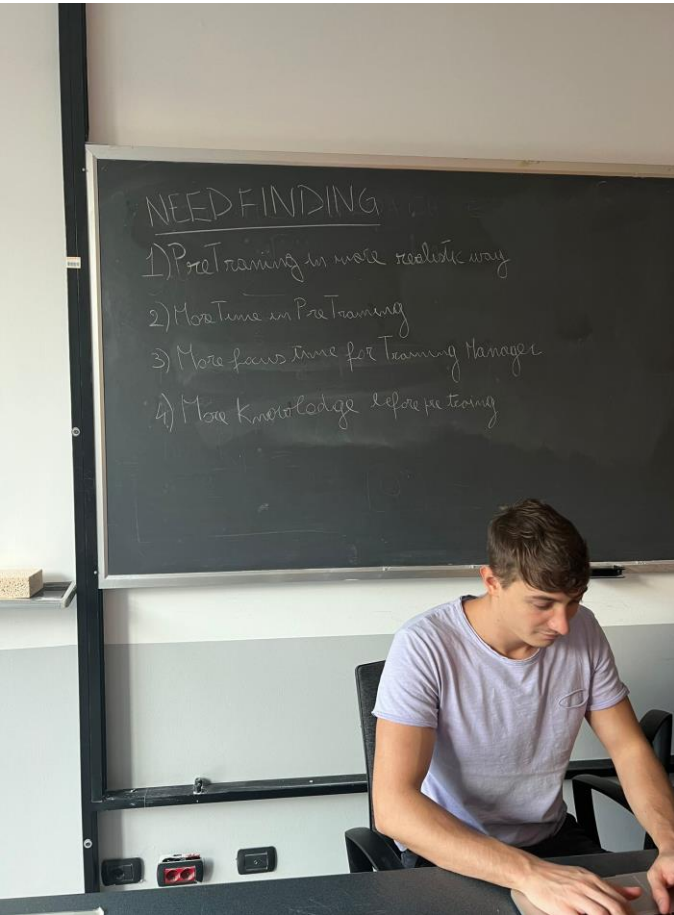


ADDITIONAL LEARNING AND RESULTS

Both new respondents had a lot of experience in the medical field and were able to experience different types of training; since they studied in two distant parts of Italy, it emerged from the interviews that the approach to training was also different.

Both think that the theoretical part of their studies is greater than the practical part, with different points of view: Elena believes that it would be useful to have more hours of internship (as also emerged from previous interviews), while Vincenzo thinks that theoretical studies are very important also about the preparation for the training.

BRAINSTORMING



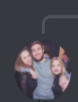
FatBenny Today at 12:00 AM

NEEDFINDING:

Students need to participate in the pre-training in a more efficient way (edited)

Students need to spend more time in the pre-training

Students need to have more knowledge before the start of the pre-training



FatBenny Students need to participate in the pre-training in a more efficient way (edited)

FatBenny Today at 12:02 AM

SOLUZIONI

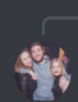
1)manichini con più sensori

2) training con pazienti volontari per semplici interventi (tramite liberatoria)

3)manichini parlanti con attori umani

4)Display interattivi sulle varie parti umane del corpo e i loro rispettivi parametri

5) Manichini con diverse caratteristiche somatiche (peso, altezza, disformie ecc)



FatBenny Students need to spend more time in the pre-training

FatBenny Today at 12:04 AM

SOLUZIONI

1)Buy more rooms in the facility

2)Dedicate some times during university lesson to practical exercises

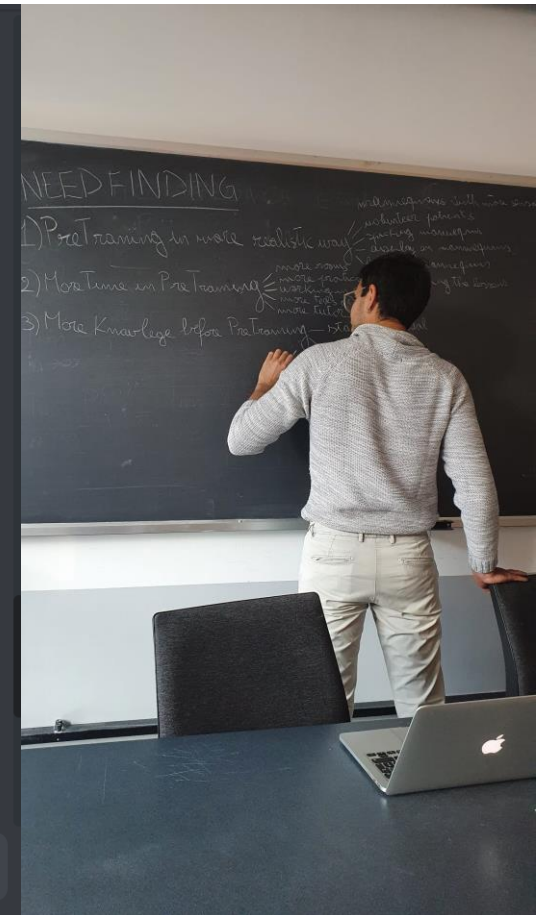
3)Working as groups instead of alone

4)Provide to students tools (like kit di sutura) to try at home things that they will have to experiment in the trainings

5)Hire more tutors (edited)



Message #generale



DEEP USER NEED

1. Students need to participate in the pre-training in a more efficient way (edited)
 - Mannequins with more sensors
 - Training with volunteer patients for simple interventions
 - Talking mannequins with human actors
 - Interactive displays on the various body parts and the human parameters
 - Mannequins with different somatic characteristics
-

DEEP USER NEED

2. Students need to spend more time in the pre-training
 - Buy more rooms in the facility
 - Dedicate sometimes during university lesson to practical exercises
 - Working as groups instead of alone
 - Provide students tools to try at home things that they will have to experiment in the trainings
 - Hire more tutors
-

DEEP USER NEED

3. Students need to have more knowledge before the start of the pre-training
 - Have a chance to see in the clinic the basics of medicine
 - Provide interactive materials to learn-alone e.g. like book-games
 - Give students videos where they can see the same operation they are going to perform in the pre-training
 - Fake operations in classroom lessons where the doctor tries to replicate the thing on dead animals
 - Making groups where the student who already learnt the basic can explain to newbie
-

SOLUTIONS

AIM NEED: Students need to have more knowledge before the start of the pre-training.

SOLUTION: Provide interactive materials to learn-alone.

SOLUTION DESCRIPTION: The student can be part of an immersive experience: with the use of a graphical interface, he can participate in a training simulation; in addition, he could interact with the surrounding environment, make choices and receive feedback, in order to increase realism.

WHY WE SELECT IT: Most of the students interviewed expressed their feeling of inexperience at the beginning of the internship; moreover, the interview with the extreme user showed that the individual preparation for the pre thyroid greatly increases the learning during the internship.

PROJECT NAME AND VALUE PROPOSITION

PROJECT NAME: Medical Reality

HOW THE TEAM LAND ON THE NAME: The name of the project is the fusion of the two basic concepts of the project itself: the study in the medical field and virtual reality.

VALUE PROPOSITION: Train on Bytes before training on real bodies.
