"Crash and Burn" laboratory

Project Poster

Development team	**Sandibek Umirov**
	Eldar Makhmut
Product owner	**Assel Smaiyl**
Scrum master	**Nurhat Ibadildin**

Problem space

Why are we doing this?

PROBLEM STATEMENT

- No practical knowledge
- Elective subjects (disciplines) are chosen improperly.
- Graduates does not have industrial knowledge and proof (certificates, badges).

IMPACT OF THIS PROBLEM

- Graduates does not have initial knowledge to pass onboarding faster.
- Knowledge that delivered is outdated due to continuous improvement of technology

How do we judge success?

- Students are capable to apply practical knowledge in industry
- Positive feedback from future employers

Possible solutions

A) Develop CNB labs
B) Provide internships
C) Self-study for each student

Validation

What we already know?

According to University students survey "Feedback on Teacher" 65% of students claim about insufficient amount of practical lessons.

What do we need to answer?

We assume students will be able to raise confidence in assembling hardware equipment after completing the course

Ready to make it

What are we doing?

Our project proposes a revolutionary concept of Crash-and-Burn labs. This lab gives student ability to deeply understand computer architecture, to look inside of IT equipment, experiment with specific tasks, which are not possible to do with real production equipment.

Why will a customer want this?

Current educational project presented to deans office and approved for adding to curriculum. While project has presented to students, students of IT group elected course.

Visualize the solution

Syllabus
http://cnb.kz/assets/files/Syllabus_COA2.docx

Photos of the labs
http://cnb.kz/#section3

Video recording of classes:
https://astanait-my.sharepoint.com/personal/201325_astanait_edu_kz/_layouts/15/onedrive.aspx

Scale and scope

Scope includes the following User Stories:

1. Prepare input materials for Laboratory 1-8 (Equipment, Tools, Purchase, Material pass, Transportation)

2. Prepare for Laboratory 1-8 (Equipment test, Timing, Speech, Tools)

3. Delivering Laboratory 1-8 (At planned time)

4. Learning Check for students (Labor tracking, check acquired knowledge)