

Programs review

For Lviv State University of Life Safety

For courses “Комп'ютерна схемотехніка та архітектура комп'ютерів” and “Робототехніка”

1. **Course “Комп'ютерна схемотехніка та архітектура комп'ютерів”** looks good. However, we have a few small remarks:
 - We would recommend adding some lectures about Flip-flops and Registers.
 - “Тема 1. Вступ в предмет. Напівпровідники. Основні поняття про електричні переходи.” should contain 2 hours lectures, 6 hours labs, 4 hours of individual work, but somehow 16 hours in total.
 - “Тема 23. Архітектура X86*.” It does not contain any values. So it is not clear would it be a part of this course or not.
2. **Course “Робототехніка”** is the course that we would recommend to improve:
 - Unclear statements, like “цифрові контакти, стягуючий резистор, керований нічник, власний аналоговий датчик, Керування навколишнім середовищем” and much more. If there is a problem with a translation, we would recommend leaving the original naming.
 - A lot of statements that look like a duplication.
 - We would recommend adding MQTT protocol along with HTTP as it is a main supportable M2M standard.

Team of reviewers:

Oleksii Savochkin Senior Manager, Engineering, GlobalLogic Ukraine
Taras Popiv Team Lead, Engineering

The document is verified by:

Anastasiia Vaskiv
Consultant GlobalLogic Ukraine
University program coordinator

