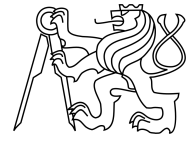CZECH TECHNICAL UNIVERSITY IN PRAGUE

FACULTY OF INFORMATION TECHNOLOGY

ASSIGNMENT OF BACHELOR'S THESIS

Title: USB Flash Drive Writer
Student: David Labský
Supervisor: Ing. Miroslav Hrončok
Study Programme: Informatics
Study Branch: Computer engineering
Department: Department of Digital Design
Validity: Until the end of summer semester 2017/18

Instructions

Design and implement an open source hardware box for writing a provided bootable disk image of a Linux distribution such as Fedora to USB flash drives. The box should have a button to start the write operation and an indicator of the progress.

- Study existing implementations.
- Consider and compare different types of hardware for use in the project.
- Write full instructions for construction of the box from scratch.
- Construct a functional physical prototype.

When making decisions, consider the following criteria for use in the Fedora Project:

- Ease of build: Even users without significant previous knowledge about used hardware should be able to build the device.
- Price and availability of the components on various continents.
- Extensibility.

References

Will be provided by the supervisor.

L.S.

doc. Ing. Hana Kubátová, CSc.
Head of Department

prof. Ing. Pavel Tvrdík, CSc.
Dean

Prague February 13, 2017