ENGINE

Teaching online electronics, microcontrollers and programming in Higher Education

Output 2: Online Course for Microcontrollers: syllabus, open educational resources

Open project leaflet: Module_2-3 external – RB port change interrupts

Lead Partner: International Hellenic University (IHU)

Authors: Theodosios Sapounidis [IHU], Aristotelis Kazakopoulos [IHU], Aggelos Giakoumis [IHU], Sokratis Tselegkaridis [IHU]

Erasmus+

GRANT NUMBER: 2020-1-PL01-KA226-HE-095653

Declaration

This report has been prepared in the context of the ENGINE project. Where other published and unpublished source materials have been used, these have been acknowledged.

Copyright

Funding Disclaimer

This project has been funded with support from the European Commission. This report reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Table of Contents

Executive summary

This file contains open projects.

Chapter 1: **Open project 1**

Draw a circuit in the Proteus Design Suite and write a suitable program that handles RB port change interrupts (RB4, RB5, RB6, and RB7). When a falling edge interrupt occurs, only the corresponding LED connected to the PORTD is activated. When a raising edge interrupt occurs, all LEDs are on.