Assignment 3
Blinking LED

Embedded Logic Design

August 18, 2015

1 Blinking LED

1. Write the same program as in assignment 2. However this time, you are not allowed to include the `io.h` library from AVR. Therefore you have to use pointers to access the registers. Create a Makefile allowing you to compile and upload the code together with a target "clean" (same as in the last assignment).

2. Quite a few groups did not submit their code correctly. A repository is not copied to the server. Instead perform the following steps:

   (a) Create a repository on the server.

   (b) Clone/Checkout this repository to your PC. Do not copy it.

   (c) Start your implementation or add files to the checked out repository.

   (d) Commit and/or push your changes.

   Do not submit any binary files (zip, compiled files, etc) nor temporary files (e.g. `blink.c~`) to your repository.

3. You are allowed to include `util/delay.h`. However, if you are able to implement the functionality without even this header file, you will receive extra marks.

2 Deliverables

All files must be submitted to `nanu.iiitd.edu.in` via `git` or `subversion`. Late submissions are not evaluated nor will be submissions through `https://www.usebackpack.com` or mail. Your repository has to contain:

- Source code
- Makefile

2.1 Remarks

If you encounter a problem, ask Google, DuckDuckGo, Bing, etc. first. The TAs will not type the question that you have, into the mask in the search engine for you. Required resources, textbooks, etc. are available on the ELD course website of `https://www.usebackpack.com` or in the Internet (datasheets, AVR library documentation, etc.)