RISC-V Lab

Ex9: Final Presentation

Completing the project

Content

1. Final presentation

2. Completing the project

Final presentation

- strict time limit: 7min per group + 2min for questions
  => FEW (<7) slides & pictures & diagrams & (ultra brief texts)

- all team members must present

- mid-term: vision <-> final: achievements

- aim / content
  - SELL your **ACHIEVEMENTS**
  - WHAT did you build
  - HOW did you build it
  - GREAT Results

Mid term pres: Slide 0 - WHO

- project name
- list of group members

Only **mandatory** slide (there is also a mandatory video).

Following slides are example to give you ideas!
They can be omitted, changed etc.

Mid term presentation: Slide 1 - WHAT

DONT: Copy bullet points from your functional spec.

DO: Create a **vision** and explain the **challenge**

- hall effect generator (headline)

- **pictures** of church and organ

- (boring) **sound / video** file *without* your design

- **challenges**: very long FIR filter (200k for church)
  @ short latency (5ms for organist)

Note: less focus here than in the mid-terms

Mid term presentation: Slide 2..X - HOW

- Hardware top level block diagram (MOST important picture)

- (re) use it to explain

  - environment (I/O)
    e.g. diagram include speaker & mic symbols
    (may replace WHAT slide)

  - architecture

    - functional partitioning
      e.g. add highlight to individual module

    - general data / event flow
      e.g. add colored arrows to explain data / event flow

    - ...

Mid term presentation: HOW (cnt.)

- how you solved **hard** problems
- interesting / remarkable architectural features, e.g.
  - flowchart for main algorithm e.g. ray tracing
  - networks connecting CPU arrays
  - DMA descriptors
  - ...
- explain major / interesting modules (architecture, functionality, register interface)

Mid term pres.: GREAT Results - Slides

Remarkable results not visible in the video

- performance (charts, tables...)
- pre / post pictures

Mid term pres.: GREAT Results - Video

- **mandatory**

- most important part of the presentation !

- make it a story (with climax) by itself !

- save the best for the last act !

Completing the project

see "Project/Tasks" page of the Sphinx documentation