

EECE416 :Microcomputer Fundamentals and Design

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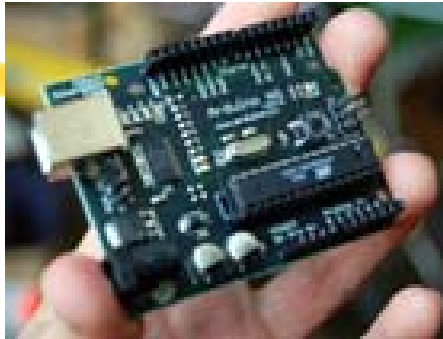
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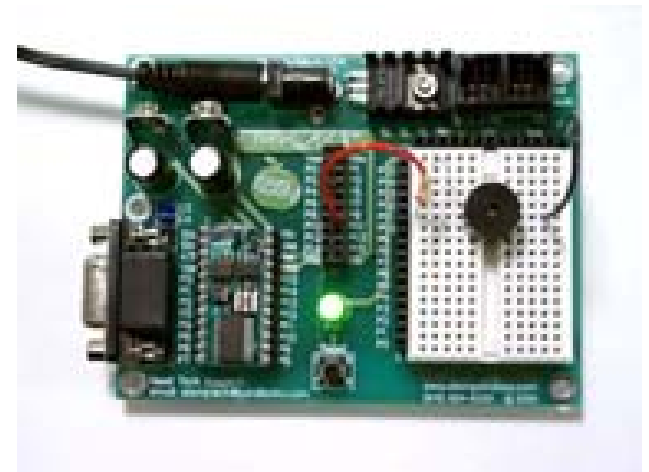
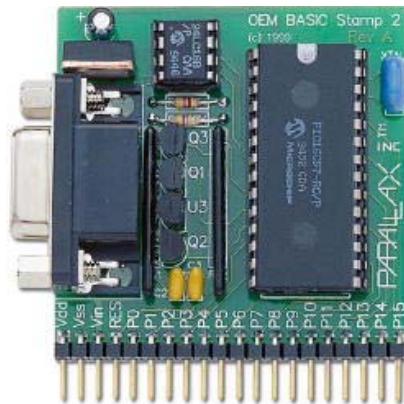
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⌘ Arduino



⌘ Basic Stamp 2



⌘ Raspberry Pi



How do we learn and use them?

⌘ Parallel Learning

- ☒ Class moves on with i386 Assembly (and Intel Atom+Altera board)
- ☒ uP Project goes on in parallel
- ☒ Team-learning

⌘ Team Learning Process

- ☒ 4-Week Cycles for a type of uP
- ☒ Take turns to another type of uP (if everything works fine and as scheduled)

⌘ 4-Week Cycle Schedule

- ☒ Starting Day is Thursday
- ☒ Ending Day is Tuesday
- ☒ 1 Week period is **R-F-S-D-M-T-W**

1st Round 4-Week Cycle

⌘ Week 1 (Oct10 – Oct 15)

- ☒ Find out what items are needed to work with the uP (programming environment + connectors + interfaces + cables + etc) → Come check if I have what you need.
- ☒ Write a progress report and submit (OCT 15)

⌘ Week 2 (Oct 17 – Oct 22)

- ☒ Write a code for an LED blinking
- ☒ Write a progress report and submit (OCT 22)

⌘ Week 3 (Oct 24 – Oct 29)

- ☒ A bragging project
- ☒ Write a progress report and submit (OCT 29)

⌘ Week 4: (Oct 31 – Nov 5)

- ☒ Continue and improve the project
- ☒ Presentation (Slides) + DEMO in the class (Nov 5)
- ☒ Slide file (bring to the class)

2nd Round 4-Week Cycle

⌘ Week 1 (Nov 7 – Nov 12)

- ☒ Find out what items are needed to work with the new uP (programming environment + connectors + interfaces + cables + etc) → Come check if I have what you need.
- ☒ Get some help from the teams which used the uP
- ☒ Write a progress report and submit (Nov 12)

⌘ Week 2 (Nov 14 – Nov 19)

- ☒ Write a code for an LED blinking
- ☒ Write a progress report and submit (Nov 19)

⌘ Week 3 (Nov 21 – Nov 26)

- ☒ A bragging project
- ☒ Write a progress report and submit (Nov 26)

⌘ Week 4: (Nov 28 – Dec 3)

- ☒ Continue and improve the project
- ☒ Presentation (Slides) + DEMO in the class (Dec 3)
- ☒ Slide file (bring to the class)