PCB design class. Request for Proposal.

Introduction

Since the very first session of the PCB class at TechShop students were interested in doing their own projects within the framework of the class. When these attempts were successful, students usually had a relatively mature design before the beginning of the class. They did the preliminary research and feasibility assessment. Conversely, when students didn't have a design from the beginning, their attempts usually failed.

In any event, writing this proposal will help you complete your project successfully.

Not to sound harsh, but please be advised that there's **no rubber stamp approval**.

Requirements

- Roughly estimated circuit board area shall be under 8 in^2.

- Estimated cost of parts (excluding the bare PCB itself and the parts that you will provide yourself) shall be under $25.

Request for proposal

In your proposal please cover the following:

- Your name(s), e-mail(s). Project can be done by a group.

- How much experience building electronics do you have? If there are photos showing your projects, don't hesitate to send them (attachments or links).

- Approximate schematic. A scan of a good pencil drawing or a photo of a white board might do.

- Approximate bill of materials (BOM). Parts should be available from Mouser, DigiKey or Jameco. You can also source parts yourself.
  For an example, see the BOM for the standard class project (Excel spreadsheet).
  http://www.prolifictec.com/pcbclass/aa236%20h-bridge%20bill%20of%20materials%20rev0.4.xls
  For the purposes of the proposal your BOM can be less detailed.

- Mechanical dimensions of the PCB (if know or if can be estimated).

Logistics

E-mail proposal to: Nick Alexeev reconvolution@gmail.com (PCB class instructor).

Subject line: *[PCB class] project proposal*

Deadline: 12noon on Sunday before the 1st meeting of the class. If sent after this time, there's no guarantee that your proposal will be considered.