

EEL 4924 Electrical Engineering Design (Senior Design)

Project Abstract with Diagram(s)

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Project Name: Thingamajig

Team Members:

Name: Joe Blow

Name: Clem Kadidlehopper

Project Abstract:

One page or less abstract or executive summary. Provide the reader with a high-level description of your project, the technical challenge, and expected outcome.

Team: Thingers

Introduction:

Describe the application domain and the possible need and/or value of your proposed invention. Provide a brief overview of the existing art (if any). Examples may come from existing commercial products, web searches, or articles appearing in the literature. Identify what features, if any, will differentiate your solution from others.

Technical Objectives:

Quantify the performance specifications and/or requirements of your design. For example, list required power consumption, bandwidth, etc. Note; any graph or figure you include needs a figure caption and has to be referenced in the text of your report. You must have a system block diagram here.

- Size limited
- Voltage and current requirements
- Continuous operation time (if battery powered)

Cost Objectives:

We expect the price of our Thingamajig to be under \$437, not including the price of the computer connected wirelessly. A partial list of the part prices will be given in the Preliminary Design Report. There are no similar devices available on the market with which to compare the costs.

References or Bibliograph:

Websites or other references

Materials and Resources:

What is a critical need?