IOWA STATE UNIVERSITY
Department of Electrical and Computer Engineering

Senior Design Project Proposal Form

Client/Company/Organization: _____

Submitter (name): _____   **Email**: _____

Project Contact: _____   **Email**: _____

Project Title:

Project Abstract (include **ALL project goal(s)**, design constraints, and technical approaches and tools):

Expected Deliverables (include expected schedule, cannot be open-ended, **must list at least one deliverable**):

Specialized Resources Provided by Client (be as specific as you can):

Anticipated Cost: _____   **Financial Resources Provided by Client** (if any): _____

NOTE: General Resources Provided by ISU/ECpE: MSDNAA software, and access to resources in ECpE teaching and research labs, e.g., electronics, embedded systems, etc.

Enter # Students Preferred/Required: **Special Skills Required of Students** (be specific):
- ◯ Electrical Engineering
- ◯ Computer Engineering
- ◯ Software Engineering
- ◯ Other (specify):

Complete reverse side of form

Anticipated Client Interaction (estimate):

☐ 1 meeting per week

    ☐ phone, ☐ internet, ☐ live

☐ 1 meeting per month

    ☐ phone, ☐ internet, ☐ live

☐ 2 or more meetings per month

    ☐ phone, ☐ internet, ☐ live

☐ 1 meeting per semester

    ☐ phone, ☐ internet, ☐ live

Meeting ABET Criteria

Please rate the following statements as they relate to your proposed project:

0 – Not at all   1 – A Little   2 – Somewhat   3 – A Lot   4 – Completely

Statement	0	1	2	3	4
On this project, students will need to apply knowledge of mathematics, science, and engineering	☐ 0	☐ 1	☐ 2	☐ 3	☐ 4
This project gives students an opportunity to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	☐ 0	☐ 1	☐ 2	☐ 3	☐ 4
This project involves students from a variety of programs, i.e., SE, EE, and CprE	☐ 0	☐ 1	☐ 2	☐ 3	☐ 4
This project requires students to identify, formulate, and solve engineering problems	☐ 0	☐ 1	☐ 2	☐ 3	☐ 4
This project gives students an opportunity to use the techniques, skills, and modern engineering tools necessary for engineering practice	☐ 0	☐ 1	☐ 2	☐ 3	☐ 4

Project Approval – *for use by ECpE Senior Design Committee*

☐ Approved   ☐ Not Approved

☐ Faculty Advisor Assigned: _____

☐ Project Number Assigned: _____