San Jose State University

Charles W. Davidson College of Engineering (CoE)

**Fall 2021 Davidson Student Scholar Proposal**

Cover Page(s) (Please Type)

- **Student Name** (Last, First):

- SJSU Student ID#:

- CoE Department:

- Undergraduate or Graduate & Year (e.g., junior UG, 1st Yr GR, …):

- email Address:

- Expected Graduation Semester/Year:

- Proposed Research Type (‘X’ one): \_\_\_Project \_\_\_Thesis (Graduate Students only)

- Grade Point Average (at start of Fall 2021):

- Estimated Number of Hours You Expect to Devote to Research per Week:

*[If a team of 2 or more students, repeat the info above for each team member]*

- **Thesis/Project Title (< 10 word)**:

- **Synopsis of Proposed Research** (≤ 250 words):

- **CoE Faculty Adviser/Mentor**: Name (Last, First):

I have reviewed the student’s proposal and agree that the proposed tasks include a research component of originality and scope adequate for consideration for a monetary award upon completion. I agree to supervise the proposed research until completion.

**- Faculty Signature**: Date:

**Body of the Proposal**

Keep the bold titles below and replace the guiding text within the brackets […] with your input

**(≤ 3 single-sided pages, 12-point times new roman or similar size font, 1” margins)**

**A. Introduction:** [Brief overview of the research area and the gap in existing knowledge or outstanding problem that motivates your research.]

**B. Specific Proposed Research and Why Important/Exciting:** [Statement of the original exciting contributions your research hopes to achieve to close the gap or solve the problem.]

**C. Methodology and Why Innovative/Creative**: [Description and rationale for approaches you will undertake to achieve the research goals, *stressing any innovative and creative aspects*. The methodology can be experimental, mathematical, computational, hardware oriented, or creative combination of these and/or other approaches.]

**D. Milestones and Timeline**: [Logical flow of specific tasks you propose to reach your goals in a timely manner, stating expected measurable outcomes and completion dates.]

**E. Anticipated Outcome**: [The minimum expected outcome is an organized well-written final report/thesis approved by your adviser (adopting a thesis format is highly recommended). Outcomes could include in addition hardware prototypes, presentations to CoE and/or SJSU Research Forums, Research Competition Forums, paper presented at a well-recognized conference, paper accepted for publication in a credible technical journal, among others.]

**F. Budget**: [This section is an essential part of most proposals. Here, you’re only required to list hardware, software, laboratory materials, and other supplies you will need to complete the research tasks, together with cost estimates. Selected proposals will be awarded justifiable implementation cost up to a maximum of $300 after completion and acceptance of the project/thesis. You should **save all receipts** and file for reimbursement later.]

**G. References**: [List all the resources invoked and cited in your proposal, including any online resources. Do not list resources not referenced in your proposal.]