

Collaboration with Jimmy and Rosalynn Carter Partnership Foundation IJSLE-CASE Grants

The International Journal for Service Learning in Engineering (IJSLE) and the National Collegiate Inventors and Innovators Alliance (NCIIA) are proud to partner with the Jimmy and Rosalynn Carter Partnership Foundation, Inc. (JRCPF) in offering Carter Academic Service Entrepreneur (CASE) grants to support engineering service learning projects. The overall purpose of this program is to facilitate collaborative preliminary engineering design efforts in community projects. Partnerships are strongly encouraged between the student grant recipients and either: a) university students located near the project location, or b) members of a host community organization at the project location.

The IJSLE-CASE grants include \$1,000 to implement the project along with certificates of merit signed by President Jimmy Carter and Mrs. Rosalynn Carter. Winning projects will be published online at:

- a. Jimmy and Rosalynn Carter Partnership Foundation website (<http://www.jrcpf.org/>),
- b. <http://servicebook.org>, an Internet community for academic service learning sponsored by JRCPF, and
- c. IJSLE website (<http://www.ijsle.org>)

IJSLE-CASE awards provide prestigious recognition for students, faculty and their community partners for academic service. Online application for the grant in the U.S. is available on the IJSLE website link or at <http://www.servicebook.org/>. Winners are chosen by the IJSLE editorial board.

What We Are Looking For

The purpose of this program is to have engineering students benefit from the real-world application of the principles they have learned in class which also benefit the community. Long-term, sustainable partnerships are sought between the student grant recipients, the host university students, and the members of a host community.

IJSLE-CASE grant applications are to be submitted in the form of proposals. The grant may be viewed as encouraging development of 'Preliminary Design Reports' (PDRs). These PDRs would seek to have students engaged in the development and implementation of community assessments, feasibility studies of potential solutions, resource identification, best available technology and cost comparisons. The team is encouraged to follow through on a rigorous, faculty-mentored research/design and entrepreneurial activity and see the project through to its conclusion – construction. This more rigorous effort could then be submitted for review for publication in the IJSLE.

Application Process

Proposals should undertake the following:

1. Identify an innovative academic service learning project.
2. Identify a faculty member to guide the team.
3. Identify a community organization as a partner and a local contact person who is willing to help with the project locally.
4. Detail a Plan of Action
 - Discuss the role and the goals of the team.
 - Discuss the community assessment plan (who, what, where etc?)
 - Identify anticipated data needed (soils, topography, climate, precipitation, customer needs assessments, etc.)
 - Discuss the framework for collecting, organizing and utilizing the data
 - Identify the community resources available
 - Discuss the role of community representatives in the preliminary design process (conducting site investigations, detailing space program requirements, evaluating preliminary design concepts, etc.)
 - The means that will be used to communicate and interact with the community (telephone, travel, email, Internet collaboration, etc.)
 - Identify the goal(s) of the project along with the perceived constraints
 - The proposed final form of the preliminary study (drawings, reports, website, models, etc.)
5. Develop a budget for the preliminary design process. This may include, for example, the purchase of: satellite imagery, surveys of the site, geotechnical data, communication or computing equipment for the community, software for community representatives or students to participate in the design process, communication software to enable a link to the community, etc. **Unfortunately, funds may not be used for travel support.**
6. Log on to either: www.ijsle.org, or to <http://www.servicebook.org/> to register and make application for the award (2 pages maximum plus support letters) by posting the above proposal.
7. Notification of receipt of the award will be made upon completion of the IJSLE review of proposals, usually within a few weeks of submission. IJSLE will forward the check to the student team leader.

Requirements of the Grant

Applicants for this grant must be full-time university students. Upon notification of award of the Grant, the team will begin keeping a running account of project activities on ServiceBook. At the conclusion of the project completed in one semester, the following are required:

- a.) Preliminary Design Report
- b.) Project Assessment

Winners will be sent a suggested outline for the preliminary design report. The students MAY CHOOSE to continue on with the project through the more rigorous design/research stages, including construction, and submit the formal manuscript for publication in the IJSLE.

IJSLE-CASE Project Assessment Criteria

Impact:

- Impact on the economic development of the community, it's social/civic networks, public systems, etc.
- Documentation of anticipated results
- Sustainability of the project

Partnership:

- Identifying and building upon the strengths of the community partner
- Collaborative decision making between the student and the community partner with regard to the project.
- Efforts to enlist other collaborators like businesses, civic organizations, government agencies, faith-based institutions, etc.

Academic Service Learning:

- Integration of the project with a student's coursework.
- An optimal blend of learning, research and service for the applicant.

Deadlines for Submissions

The deadlines for student teams to submit their Grant applications will coincide with the announcement for the Call for Papers for the Journal; that is, January 30 and August 30. This will enable funding to be in place for use by the teams during the academic semester being applied for, as the selection process will be undertaken efficiently. The grant application process will remain open until all funds for the grants have been exhausted.

If you have any questions, please do not hesitate to contact any of the editor for the Journal.

Keep up the good work in your service work!!

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