

IEEE EMERITBADGES PROJECT VISION

PROBLEM TO BE ADDRESSED

STEM (Science, Technology, Engineering, & Mathematics) education is critical to addressing global humanitarian needs such as reliable sources of energy, clean drinking water, improved health care, and food shortages. Technology is increasing at a fast pace and its impact on society can be positive or negative. Technologists must foster innovation that has a positive impact and benefits humanity. A pipeline of students into STEM related careers is needed to preserve these technology professions, as well as having citizens with an education to basically understand these fields. The IEEE emeritbadges Project has adopted the IEEE Foundation Theme of “Raise awareness and understanding of technology and its impact on society” as its guiding principle.

VISION

The IEEE emeritbadges Project is a global pre-university technology education program for boys and girls. The project will increase the public awareness and understanding of technology and how it can be used to benefit humanity, primarily to boys and girls at the middle school and high school levels, at the 2017 National Jamboree with thirty adult volunteers.

STATEMENT OF PURPOSE

The IEEE emeritbadges Project will develop a program to foster the accomplishment of its vision around the Electricity Merit Badge and Electronics Merit Badge programs.

GOALS

- Technology Pipeline
 - Provide Electricity Merit Badge and Electronics Merit Badge training, counseling and activities sufficient to allow the participant to earn the badge within a four-hour time commitment. Target 400 Electricity Merit Badges and 400 Electronics Merit Badges earned.
- STEM
 - Promote awareness and understanding of technology and STEM related careers to youth in the instructional program and to the general public in the Careers and Demonstration booth.
 - Incorporate the need for critical/computational thinking in technological innovations in all project areas.
- Global
 - Translate instructional material into Spanish and two other languages.
 - Encourage participation of international contingent scouts in booth activities.
 - Promote project vision on the project’s social media platforms and its website.
 - Promote the use of project instructional material and kits to IEEE groups in all ten IEEE regions.
- Diverse
 - Encourage girls attending the Jamboree as Venture and Explorer scouts to participate in booth activities.
 - Discuss the role of diverse groups in technological innovations in all booth areas.
- Humanity
 - Participate in Day of Service at the 2017 National Jamboree in communities near the Summit Bechtel Reserve in West Virginia with the IEEE MOVE Community Outreach Project vehicle.
 - Use the IEEE MOVE vehicle at our booths to show visitors how technology can help people during disasters to assist with other STEM related activities.
- Technology awareness and understanding and impact on society, including STEM resources
 - Support of Moviemaking Merit Badge participating youth to prepare short films with the theme “Raise awareness and understanding of technology and its impact on society”.
 - Create trading cards to create awareness and understanding of technology, historical technologists, and humanitarian needs.

AUDIENCE

- 2017 National Jamboree Participants & Visitors
 - Middle School & High School Boys & Girls
 - Participants from USA & all 10 IEEE Regions
 - Adult Staff
 - Global Visitors
 - Parents
 - Teachers

- Media
- Government & Industrial Leaders

FUNDING

- Total Project Funding - \$116,300.
- Potential Funding Sources
 - IEEE Foundation - \$66,200
 - IEEE Regions - \$5,000
 - IEEE Sections of Volunteers - \$14,600
 - Corporate Foundations - \$28,000
 - Energy Associations - \$2,500

NEED FROM IEEE REGION 3

- Funding - \$2,500 IEEE Region 3
- Volunteers (18)
 - Electricity & Electronics Instructors
 - Careers Coordinator
 - Demonstrations Coordinator
 - Webmaster & Social Media Coordinator
 - Facilities Coordinator
- Inexpensive Storage Space – 275 Sq. Ft.

IEEE EMERITBADGES PROJECT FINANCIAL PLAN

PURPOSE

This financial plan is being developed to ensure good stewardship of project funds and to provide a financial reporting system.

FINANCIAL PLAN

- David Mehaffey, CPA will be the Treasurer for the IEEE emeritbadges Project. David is currently Director of Investments and Endowment Accounting for a large international non-profit. David has been a volunteer with the IEEE emeritbadges Project since 2013. David will have access to the on-line IEEE Concentration Account reporting. He will not have spending authority.
- All IEEE expense account requirements will be followed.
- Select project volunteers will be given specified spending authority. Spending beyond the specified spending authority will require written or email approval from the project Chair.
- Select project volunteers will have an IEEE Concentration Credit Card.
- All expenditures, with original receipts, will be submitted to the project Treasurer with a description of each purchase. Any reimbursement of expenditures by volunteers will be made by the project Treasurer.
- All deposits, from IEEE and non-IEEE sources, will be deposited into the IEEE Concentration Account by the project Treasurer.
- The project Treasurer will enter expenditures into the IEEE NetSuite Financial Reporting System.
- The project Treasurer will provide the project Chair and the IEEE Region 3 Treasurer a summary financial report as requested.
- The project Chair will provide a summary report of project activities and accomplishments to the IEEE Region 3 Director as requested.

CONTACT

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