

Public Imperitive

SECon 2012

R3 Breakout

MEMBER INVOLVEMENT IN EDUCATION

- The **purpose** of this initiative is to engage IEEE Section members in making the public aware of the importance and role of engineering , and to make pre-college students knowledgeable about engineering careers.
 - This may interaction with students using activities such as robotics competitions (BEST, FIRST, etc.) , field trips, technology demonstrations, senior project mentoring, STEM mentoring

The **resources** needed for these activities are locally developed demonstration materials and time spent by volunteers.

People needed are concerned volunteers (Section and Technical Chapter) and

Measures of Success:

Increased membership involvement;

Recognition and feedback from students, educators and participating organizations.

- **Our Team**
- **Activity statement:**
- To participate in Boy and Girl scout STEM Badge support and promote engineering activities at existing kids camps.
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- **Resources:**
- Volunteers
- Find out what organizations are local
- Recruit the volunteers to from a committee
- Survey the volunteers with specifics
- Committee
- Create the plan with specific resources, software, points of contact
- Create a flyer for the organizations to promote our purpose to these organizations
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- **Activity success:**
- Volunteers sign up
- Volunteers show up
- Badges are given
- Engineering activities in camps are achieved
- Volunteers leave excited and want to do it again
- Survey kids and organizations with feedback

- Region 3 Humanitarian Activities
- Increase awareness of IEEE humanitarian activities (IEEE President's Change the World Challenge, IEEE Humanitarian Challenge, IEEE Humanitarian Conference, Engineering4Change, EPICS, etc ...) via our sections and annual conference
- Humanitarian Competition at Conference – open to student and IEEE member competition at Region 3 conference - open innovation in using technology for humanitarian programs either in a local community settings or global humanitarian challenge (steer winners to IEEE programs for implementing and engage IEEE members in implementation, ask IEEE members to help judge competition)
- Invite speaker to Region 3 conference from an IEEE humanitarian funded project

- OBJECTIVE: Create a team that would focus on disaster preparedness, and support established Federal and local programs.
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- RESOURCES NEEDED: Pre-established connection with the Red Cross. Known areas of specialization/capabilities (Power, Grid, Electrical Safety, Communications [HAM])
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- PEOPLE NEEDED: Members with Power, Communications, and Safety expertise. Search IEEE database. IEEE website, email, and newsletter solicitations. Red “R”
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- MEASURE SUCCESS: Number of members involved in (1) organization, and (2) execution. New recruitment from organizations related to the Power Industry, Inspector associations, and HAM radio community. Increased public awareness of IEEE community as a community resource.