

Call for Proposals

IEEE R10 HTA Committee

Humanitarian Technology Project/Activities for IEEE R10 Sections

TENHUMCH (R10 Humanitarian Challenges)

Humanitarian Technology Committee encourage R10 Sections to have Humanitarian Technology activities and invite sections to apply for funding of R10 HTA (Online application is under process)

TENHUMCH is a project contest where contestants will develop technological solutions for the benefit of resource constrained and vulnerable communities thereby making a difference in peoples' lives. It provides opportunity for participants to work with NGOs and other organisations. The details of this initiative are given in the following.

Introduction

TENHUMCH, formerly known as AIYEHUM, which received the IEEE MGA Innovation 2014 Award, is a project-contest to encourage young scientists and engineers to solve real-world challenges applying science and technology. The contest aims at orienting young minds towards identifying community problems and developing technology solutions, focusing on actual implementation reaching the beneficiaries.

After years of successful initiative execution, R10 HTA encourages TENHUMCH conducted in all R10 sections and will fund project seed grant of USD5000 for the winner.

Project Proposal

These projects cover a wide variety of technological areas including technology for silver age; assistive technology; healthcare; frugal technology; sustainability; intelligent mobility; smart nation; disaster recovery and social enterprise. A strong practical implementation of projects reaching target beneficiaries is expected. This contest encourages the participant teams to actually work with beneficiary partners, for example, could be an under-privileged community with no or little access to clean water, electricity or other utilities, or it could be an NGO working on rural education or a local government, an NGO; a social entrepreneurial venture; or a public hospital etc. Historically we have seen the finalists to evolve into social entrepreneurs, and patent holders licensing technology to others. One of the examples is a shortlisted project from AIYEHUM 2014, titled, 'Microwave machine for weed detection and removal', which led to patent and local media coverage.

Terms and Conditions

1. The team may comprise of students, young professionals, Women In Engineering, professional/senior members or, representatives of local community.
2. Funding will be announced after selection of the project and disbursement of the funds will be linked to the satisfactory progress of the project as determined by continued monitoring of the project.
3. Funding for a particular proposal is limited to a maximum of US\$5000.00. Since funding is limited to only one proposal, selection panel will review all proposals very thoroughly and select only one based on United Nations' Self Sustainable Development Goals and its potential for its sustainable positive impact in the society.

4. Recipient of support fund should submit the reports every month and the funds can be transferred as per progress and after the verification from the mentor.
5. The report regarding the selected proposal may be published in R10 Newsletter.
6. The representative of the best project may be invited to R10 HTC for their presentation (Section will be requested to fund the travels and local organizers will be requested to provide the local hospitality)

7. Timeline

- Call for Proposals Initiated: June 20, 2019
- Deadline for Proposals: July 15, 2019
- Selected Project Announced: August 1, 2019
- Project Implementation Phase: August – November, 2019
- Amounts Reimbursed (as per progress): Final by November 30, 2019

Please submit your proposal: <https://forms.gle/9oTDX3VzTG3fh1gt9>

Shortlisting of Projects

The R10 HTA Committee is currently inviting proposals for sustainable Development and Humanitarian Activities related projects. The committee will review proposals during 2019 and expects to fund **ONLY ONE** proposal with budget under \$5000.00

An eminent Jury will shortlist the project proposals that address at least one of the UN Sustainable Development Goals and only **ONE PROJECT** will be awarded \$5,000 USD grant to support the development and implementation of the project. Proposals should cover the community-based approach with relevant environmental, cultural, socio-economic & infrastructural issues and policy priorities. (More info could be found: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>)

The shortlisted project will also be assigned mentors who will assist in the development of project and also keep track of the progress of project.

A mentor/member of Jury must be a senior member of academics, industry, NGO, etc. who has a good working experience.

An IEEE OU (normally local IEEE Section) must act as a fiscal agent for each group. IEEE financial requirements for funding disbursements will apply. Funds will not be disbursed to an individual.

R10 HAC will greatly appreciate your kind support in circulating this information to the sections of your local Section, Region, Universities, Polytechnics, and Industries and encourage student, young professional and WIE members to submit project proposals and other interested persons to submit Jury/Mentor Applications.

Attributes of a project considered

Innovative engineering project targeted to solve real problems of the people explained in appropriate high-level yet technical detail to help evaluators assess its scope, practicality, and effectiveness. Beneficiaries should preferably be taken onboard, and their verifiable contact details should be included.

Project must involve engineering design component and therefore proposals based primarily on teaching and/or training will not be considered. Project size should be reasonable enough to be completed within 3-4 months, or it can be a larger in-progress project to be completed within that time frame.

- Local IEEE volunteers identifying the real problems of the community in consultation with local NGO or relevant stakeholders
- Proposal must fulfil the need of local underserved community.
- Project must involve the local community with relevant stakeholders.
- Projects must have some technology component, leveraging IEEE's core competencies to any focus area (e.g. Agriculture, Education, Energy, Healthcare, Water and Sanitation, etc)

Projects NOT considered

- The project without community involvement
- Research and commercial projects
- Projects without sustainability plan
- Project with no engineering design component

Evaluation Criteria

1. Identification of the community

- There should be clear identification of the need of a local underserved community
- The number of people who will get the benefit from the outcome of the project
- Description of the long term outcome for the impacted community

2. Project Framework

- Clearly defined project plan including project scope, context, and expected project outputs
- Description of technology used in the local context
- Procedure of the training for the community to maintain the solution

3. Project Risk Analysis

- Identification of the expected risk which may affect the project
- Strategy to mitigate those risks?

4. Project Budget and Timeline

- Clearly defined milestones and deliverable of the project.
- Realistic and justified budget with breakdowns of all major items

5. Sustainability of the outcome

- A clear understanding between the community and project team on the sustainability of the project and its long-term benefits
- A strategy needs to be devised to establish a board comprising members of the local community, a local NGO, one or two members from the IEEE project team to ensure sustainability of the project and its derived long-term benefits

How to Submit

Please submit your proposal: <https://forms.gle/9oTDX3VzTG3fh1gt9>

For further information, please contact:

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