



IEEE HAC|SIGHT Success Story Portfolio



Humanitarian Activities
Committee



Special Interest Groups on
Humanitarian Technology



AN INVITATION FROM IEEE HAC | SIGHT

FRIENDS,

The role of engineers in sustainable development is vital, as they are well equipped to implement designs and solutions that address humanitarian issues in the sustainable development space. IEEE facilitates technological solutions to challenges around the world through its Humanitarian Activities Committee (the Humanitarian Technologies Board as of November 2022) — with its volunteers making an impact in the lives of many people in their surrounding communities.

The HAC Projects program is just one example of how HAC empowered members, leveraging their skills to conduct technology-centric humanitarian projects. To complement the financial support, HAC offered educational resources and assessment tools to measure near- and long-term impact, while providing comprehensive oversight of all funded projects to minimize overall risk and maximize global impact and member engagement.

From 2020 – 2022, HAC joined forces with the IEEE Special Interest Group on Humanitarian Technology (SIGHT) to make significant advancements to this program. In fact, HAC|SIGHT Projects received the 2022 American Society of Association Executives (ASAE) Power of Associations Summit Award (ASAE's highest honor) in the global development category in recognition for its work. HAC also expanded funding opportunities for IEEE members through collaborations with other IEEE entities such as technical Societies and geographical Regions, leading to more meaningful solutions that met the needs of local communities around the world. We are pleased to showcase some of the projects awarded funding in 2021 in this portfolio.

With the decision of the IEEE Board of Directors to elevate HAC to the IEEE Humanitarian Technologies Board, we can now invest more resources to support volunteers doing good work and are poised to have a more coordinated role in the humanitarian technology space. We invite you to be inspired by the stories that follow and join us on this next phase of our journey as a volunteer, organizational partner, or donor to effectively help the world.

***With appreciation for what has been done,
and enthusiasm for what is to come.***



**Mr. Sampathkumar
Veeraraghavan**

Chair, 2021 – 2022
IEEE Humanitarian Activities Committee



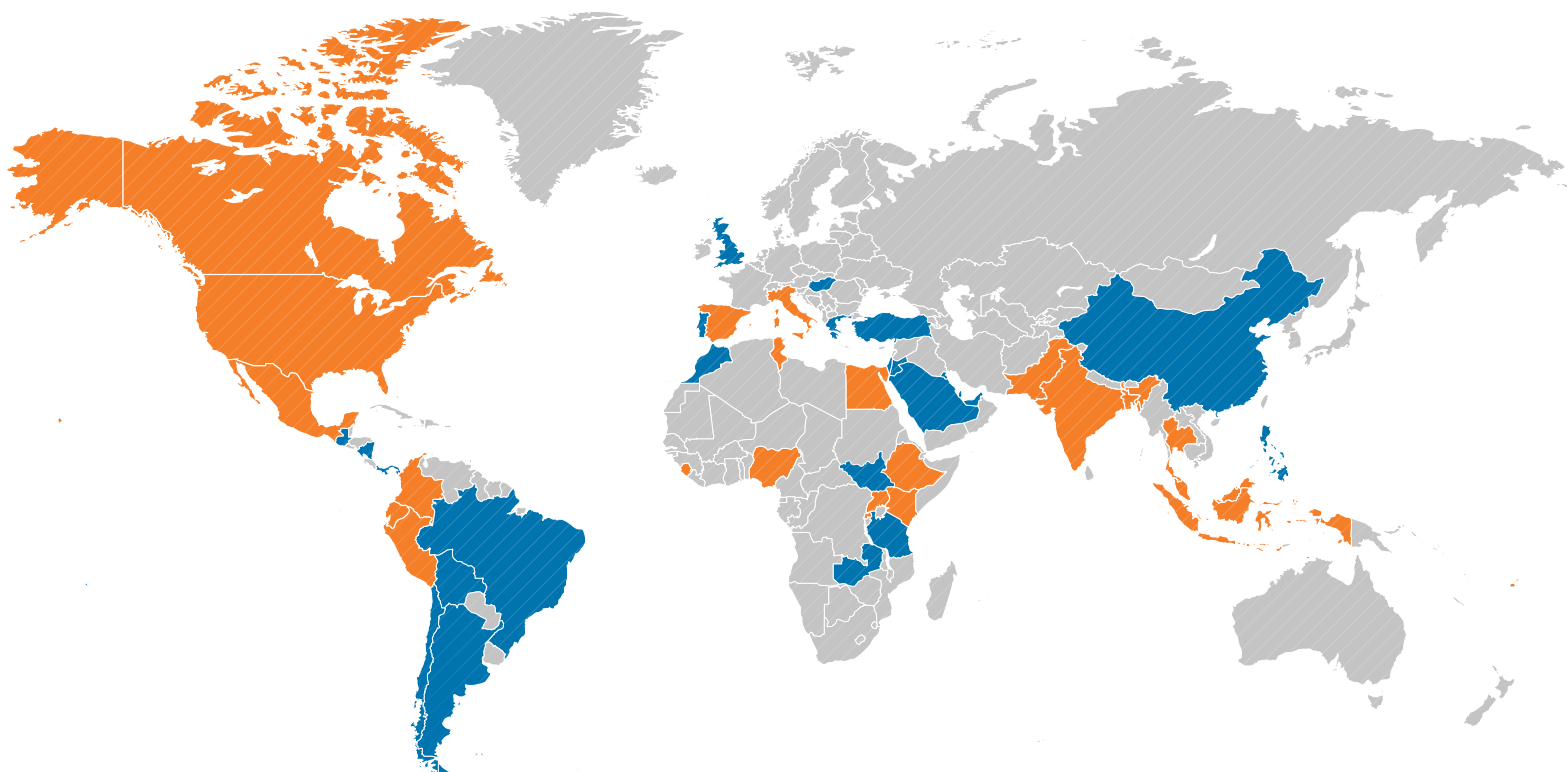
Mr. Lwanga Herbert

Chair, 2021 – 2022
IEEE SIGHT
Steering Committee



Dr. Karen Panetta

Chair, 2021 – 2022
IEEE HAC
Projects Committee



Countries highlighted in **BLUE** are where teams submitted proposals to be considered. Countries highlighted in **ORANGE** are where the projects awarded HAC|SIGHT funding in 2021 took place.

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IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its highly cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted "voice" for engineering, computing, and technology information around the globe. There are more 409,000 IEEE members in over 160 countries. IEEE members are engineers, scientists, and allied professionals whose technical interests are rooted in electrical and computer sciences, engineering, and related disciplines.



Humanitarian Activities Committee

MISSION: The IEEE Humanitarian Activities Committee provides leadership as well as a suite of resources that inspire and enable IEEE volunteers around the world to carry out and support impactful humanitarian technology and sustainable development activities at the local level.

HAC'S STRATEGIC AREAS OF FOCUS:



RAISING AWARENESS

HAC increases understanding of the role of engineering and technology in sustainable development.



PROVIDING TRAINING

HAC provides educational resources and opportunities so that humanitarian technology participants can have a greater positive impact.



SUPPORTING HUMANITARIAN TECHNOLOGY AND SUSTAINABLE DEVELOPMENT ACTIVITIES

HAC awards funding for grassroots IEEE member projects that utilize technology to address local challenges.



BUILDING A SUSTAINABLE DEVELOPMENT COMMUNITY

HAC collaborates across and beyond IEEE to foster opportunities in sustainable development.

IEEE SIGHT

Special Interest Groups on
Humanitarian Technology

MISSION: A global network of IEEE volunteers partnering with underserved communities and local organizations to leverage technology for sustainable development.

There are more than 35,000 SIGHT members throughout the world, and roughly 63% of them are university students and graduate students. Participants in SIGHT activities access rewarding experiences that allow for gaining hands-on knowledge, improving technical skills, networking, and making positive change in local communities.

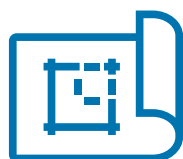
SIGHT was a program and subcommittee of HAC that will continue under the new Humanitarian Technologies Board (HTB).

SIGHT ENCOURAGES ITS INDIVIDUAL MEMBERS TO FORM GROUPS THAT COME TOGETHER TO:



LEARN

about sustainable development



BUILD

relationships within their local
communities



IMPLEMENT

humanitarian technology and
sustainable development group
projects that utilize engineering
to tackle key problems within
the community

As of December 2022, 218 SIGHT Groups have been established in 58 countries.

The SIGHT program is made possible in part by IEEE Foundation donors. For more information about supporting SIGHT through the IEEE Foundation, please visit ieeefoundation.org/impact/illuminate/ieee-sight.



Supporting Grassroots Humanitarian Technology and Sustainable Development Projects

Since 2013, IEEE HAC and IEEE SIGHT have provided funding to IEEE Members who have prepared and implemented humanitarian technology and sustainable development projects in their local communities. From 2013 – 2022, over US\$2.67M was awarded to 369 projects. Projects were required to address one or more of the United Nations Sustainable Development Goals (UN SDGs). Project teams built relationships with the partner community to identify a specific need and develop a plan to address it through the development, customization, or deployment of technology. They took into account the relevant environmental, cultural, socio-economic, and infrastructural issues that could affect the project and its impact. Often, teams partnered with local government, NGOs, schools and universities, or companies to deploy the solution effectively.

There were many benefits for the IEEE members who participated in IEEE HAC|SIGHT funded projects. HAC developed training and educational materials for teams, and participants enriched their knowledge in topics such as project management, sustainable community engagement, assessment, monitoring, and evaluation, and more to complement their technical skills. Students and professionals alike had an opportunity to develop their capacity outside the classroom or office in a real-world setting. Joining in projects provided a connection to a global network

of like-minded IEEE members, as well as people and organizations closeby. Finally, participants found satisfaction in working toward a greater purpose that aligns with their personal ethos and are encouraged by the chance to make a real difference.

Fostering Opportunities for Hands-On, Career-Relevant Experience

In 2021, the HAC|SIGHT Projects committee hosted two calls for proposals to support grassroots IEEE member projects that utilized technology to address local challenges related to the COVID-19 situation and other pressing community needs.

IEEE Members around the world responded as never before. HAC received 317 proposals submitted to the HAC|SIGHT calls for proposals and 68 submitted to the collaborative calls for proposals with the IEEE Electron Devices Society and IEEE Region 10 (Asia Pacific). In total, HAC Projects received 385 proposals from 45 countries over the course of the year, setting a new record since HAC and SIGHT began receiving project proposals in 2013.

After careful consideration of all proposals received, IEEE HAC|SIGHT awarded over US\$280,000 in funding to 92 projects that took place in 22 countries. HAC awarded funding for the first time to teams in Fiji, Italy, Ethiopia, Sierra Leone, Thailand, and Spain.

In 2022, HAC offered one call for proposals with IEEE SIGHT and three additional calls with IEEE Societies and Regions to support IEEE member grassroots projects that utilized technology to address pressing needs of the members' local communities. The calls received 172 proposals submitted from 24 countries and five IEEE Regions. After careful consideration, 62 projects were awarded funding.

2021 Project Preliminary Assessment Information

As of early December 2022, approximately 73% of the projects awarded funding in 2021 have concluded. All funded project teams agree to certain reporting requirements to share the results of their work, allowing HAC to collect the following preliminary data to demonstrate a part of the significant impact that volunteers have made.

In 2021, over **600 volunteers** led and participated in HAC/SIGHT funded project teams. Based on the information provided from those projects that completed their final reporting, nearly **20,000 people** have benefited from the work that was done in communities all over the world. Additionally, almost **120 volunteers** involved in the projects became members of IEEE as a direct result of participating in the activity.

Project leads reported that through HAC Project grants in 2021:

97% of projects met local needs and were well-designed and realistic, while addressing some of the needs of the population served determined by some background analysis done before the project started.

97% of projects will likely continue without grant funding for at least another year, and have a realistic next phase planned.

99% of projects demonstrated their positive impact on the daily experience of the target population/community, as evidenced by data, and affected some people who likely would not have access to project benefits otherwise.

99% of projects met their respective goals in an adequate time frame and a cost-effective way considering the community served.

96% of projects considered other initiatives happening in the area and connected where possible, instead of working in isolation.

100% of projects brought a solution to one of the most difficult problems the community was facing and benefited vulnerable people in the community.

100% of project leads reported that their team members listened to each other with patience and respect, relied on each individual's strengths to build the most successful project, and monitored progress through shared documents and regular communication.

Some of the projects awarded funding in 2021 are presented in this portfolio to showcase a solution to a critical, complex problem within the project team's local community. We are proud to share the stories of these funded projects and a summary of the activity's initial outcome.

Thank you to all of the HAC/SIGHT funded project volunteers for your amazing efforts and ongoing contributions to your local communities. Your work makes a real difference!



EXAMPLES OF IEEE HAC|SIGHT FUNDED PROJECTS

Each selected project contributed to many of the United Nations Sustainable Development Goals (UN SDGs); the three most relevant were selected for each project.



SMART KIBANDA

TEAM: IEEE Members from IEEE Moi University Student Branch



IMPROVING WORK THROUGH AN IMPROVED WORK ENVIRONMENT

A *kibanda* is an open-front hut or cubicle used for informal business (such as food service or retail) which has been an alternative to the ever-growing unemployment issue in sub-Saharan Africa. Kibanda-based businesses provide more than 50% of jobs in the informal sector.

The Smart Kibanda project aimed to solve the major problems in traditional Kenyan retail stalls that lead to food waste, theft, and small profit margins for the owners. These problems include lack of a reliable electricity source, poor security, lack of proper storage facilities, and sub-par inventory control. A team of 14 IEEE student members from IEEE Moi University, with guidance from the IEEE Kenya Section, developed a solar-powered modern kibanda, with sufficient lighting, storage units, and a security system. Employing appealing aesthetics and renewable energy, the design offered affordable and convenient solutions for the kiosks.

IMPACT



The IEEE team developed four fully functional "smart kibanda" units. They were donated to individuals and institutions around Moi University and the town of Eldoret, based on need and community impact. The project directly impacted 268 individuals and continues helping families and non-profit organizations serve at-risk populations.

Additionally, as a direct result of the project, 12 new student members joined IEEE and the Moi University student branch.



IEEE SOLAR-POWERED BLOOD BANK FOR UNICAL MEDICAL CENTRE

TEAM: IEEE Members from the IEEE Nigeria Section and Nigeria Section SIGHT Group



NIGERIA



POWERING A DEPENDABLE AND SUSTAINABLE SOLUTION FOR PATIENTS

Blood transfusion is a critical aspect of medical treatment and frequently required for various medical conditions such as sickle cell disease. Despite its huge population, Nigeria is unable to meet its blood supply needs due to inadequate infrastructure and poor power supply challenges. IEEE Members in Nigeria, along with local medical staff, implemented a solar-power system at a blood bank to ensure the availability of blood supply and subsidize the cost of treatment in the community.

The University of Calabar (Unical) Medical Centre, while small, is the first-choice medical facility for the local community. The IEEE team worked together with the Unical staff to build a solar energy system with solar panels, inverter, and batteries to ensure an uninterrupted sustainable energy source. The Centre's blood bank has been upgraded and is already delivering service to patients. Additionally, a cascaded blood storage system was developed and deployed as part of the project.

IMPACT

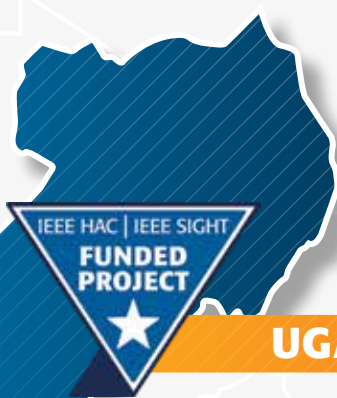


As a result of the project, the blood bank is now able to provide services to thousands of patients needing blood transfusions. The project also inspired 500 people from the community to donate blood and included the formation of a new blood donor club to ensure sustainability. The project volunteers (IEEE members and medical staff alike) have gained knowledge and skills while participating in the project. The project has created significant awareness for IEEE in the university and local community.



ENHANCING DIGITAL TECHNOLOGY IN RURAL SCHOOLS

TEAM: IEEE Members from IEEE Uganda Section



UGANDA



REDUCING THE DIGITAL DIVIDE, ONE SCHOOL AT A TIME

With the aim of reducing the wide disparities between rural and urban children regarding digital access, IEEE Professional Members from the IEEE Uganda Section designed, developed, and implemented a program to provide internet access at a local primary school.

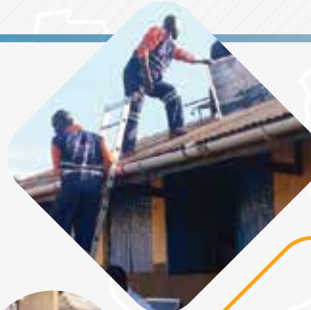
Even though the computer lab at the Atopi Primary School (located in Apac District, Northern Uganda) had four computers and a printer donated by the Forum for African Women Educationists Uganda (FAWEU), it had no internet connectivity and no reliable source of power.

The IEEE team equipped the lab with a local grid connection, solar power, and a wireless network — all of which facilitated internet access as schools transitioned to online learning during the nationwide shutdown due to COVID-19. Working with community-based stakeholders (including Kubere Information Centre and Northern Uganda Resilience Innovation Network) was key in co-creating sustainable solutions to what may otherwise seem like a straightforward “access to technology” problem. As a result, nine teachers and 60 pupils were trained in basic information, communication, and technology (ICT) skills and the school formed an ICT club to continue to motivate teachers and students to embrace digital technology in teaching and learning.

IMPACT



The impact of consistent power and internet access has been far-reaching, with the Atopi Primary School community benefitting in many ways. At the close of the project, the new ICT club had engaged 30 additional students interested in learning more about the basic uses of computers, ICT, and digital technologies. The long-term objective of the project team and school is to interest the rest of the teachers and students to embrace ICT while building sufficient capacity to support them.



PILOT OF VERTICAL URBAN AGRICULTURE USING IOT

TEAM: Professional and Student IEEE Members from the Catholic University of Colombia SIGHT Group and the IEEE Electron Devices Society (EDS) Colombia Section Chapter



COLOMBIA



UTILIZING IOT TECHNOLOGY TO IMPACT FOOD SECURITY

Access to fresh produce and nutritional food is difficult in many parts of the world. This project improved general food security conditions in a Colombian community by promoting an urban agriculture model that combined technology components with the local agricultural community's empirical knowledge and farming experience. Professional and student IEEE members designed vertical garden modules incorporating an internet of things (IoT) capacity to acquire data for a smart irrigation system for the gardens.

The team measured variables and obtained information on the most appropriate environment for each garden. Each garden was equipped with a sensor, an actuator control circuit, and an IoT system; once the gardens were deployed in the community, virtual tests and remote measurements could inform the community members of any needed changes. Volunteers overcame challenges by holding virtual encounters and engaging in direct dialogue with social leaders and the community. After a trial-and-error period, a user-friendly program enabled families to quickly read the data and use it effectively for crop production.

IMPACT



The project was developed with community members from design to implementation and initially benefited 18 families, with more planned. The most significant success of the project is the participation, interest, and motivation of the families and the future possibilities to generate new incomes and trade from the initiatives of urban agriculture.

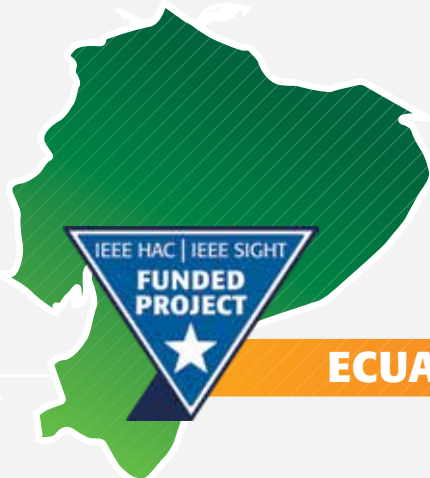
The IEEE SIGHT Fund of the IEEE Foundation:

This project was made possible by contributions from the IEEE Electron Devices Society (EDS) to the SIGHT Fund of the IEEE Foundation. The IEEE Foundation is the philanthropic partner of IEEE, with the mission of inspiring an engaged community and leveraging the generosity of donors to enable IEEE programs that improve access to technology, enhance technological literacy, and support education and the IEEE professional community. The SIGHT Fund of the IEEE Foundation was established in 2019 to support the humanitarian and sustainable development projects of HAC|SIGHT volunteers.



NABÓN NETWORK PROJECT PART 2

TEAM: IEEE Members from the IEEE Ecuador Section



ECUADOR



MAKING THE STUDENT-SCHOOL CONNECTION MORE SUSTAINABLE

In 2008, the Municipality of Nabón installed an internet network for the area's 60 schools, but due to lack of maintenance the network fell into disrepair. Having received funding from IEEE SIGHT in 2019, IEEE Members from the Ecuador Section were able to repair the network for two-thirds of the schools. A second round of funding was provided in 2021 so that the remaining 20 schools could also benefit from internet access.

This most recent phase was divided into two parts: A) rehabilitation of the internet network in the remaining schools; and B) STEM training for the students. With the onset of COVID-19 and the transition to virtual classes, access to the internet became especially important. This project allowed students who could not attend in-person classes to continue to participate in their education. Because the IEEE team made it a priority to involve the community — before, during, and after the project — positive changes were noted both by public employees and community members, many of whom began generating their own technology projects for the benefit of the community.

IMPACT



This nationally recognized project completed the rehabilitation of a data network for 60 schools over the course of two years, providing internet to 4,500 students. A STEM training program for more than 400 students was implemented with the help of the Motorola Foundation. Additionally, the IEEE team provided training so that the schools now have the ability to perform basic internet network maintenance. Finally, the project also provided home internet to 178 families so their children could transition to virtual distance learning during the pandemic. The team performed a Social Return on Investment (SROI) calculation for the project, which can serve as an indicator of the value that a social project creates for every dollar invested; this project's SROI was calculated at US\$6.54 worth of impact per every dollar invested!



EDUCATIONAL RESOURCE CENTRE (ERC) FOR REMOTELY LOCATED SCHOOL STUDENTS IN FIJI

TEAM: IEEE Members and Student Members from the IEEE Fiji Section



FIJI



DELIVERING ONLINE LEARNING TO RURAL STUDENTS

The pandemic greatly affected the education system across the island nation of Fiji. Despite the free government-provided resources, the most isolated students still could not participate in digital learning because of the lack of communications technology infrastructure in the country. Remote schools with limited or no internet access were unable to transition to online learning. IEEE members and student members from the IEEE Fiji Section worked to set up a standalone server and provide computer resources in two isolated schools.

The IEEE team developed a low-cost computer system using a solar-powered battery to make available all the government-provided educational resources as well as the materials prepared by the teachers. The standalone system is used as the server with preloaded educational content, which connects to a central gateway. IEEE team members also prepared simplified manuals and conducted workshops upon successfully implementing the server so that teachers and students learned how to use the system and perform basic maintenance.

IMPACT

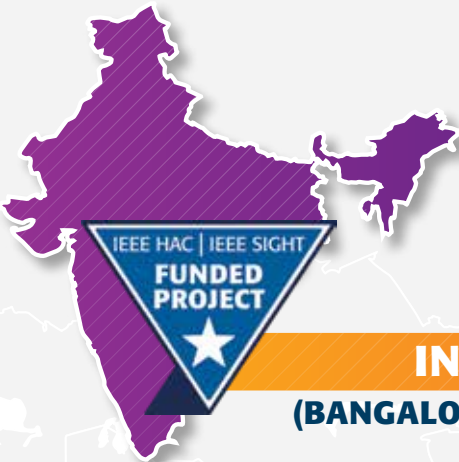


This project brought educational resources to children in rural areas of Fiji — allowing them to participate in digital learning. Beyond the ability for 324 students and 16 teachers to access educational materials, the technological exposure should also have a long-term positive impact on all participants. In the future, the IEEE team would like to build a smart energy harvesting solution for providing a noise-free and economical power solution to the participating schools.



SMART MONITORING OF WATER AND HYGIENE PROGRAM (SWAHP)

TEAM: Student Members from the IEEE Christ University Student Branch and Its SIGHT Group



INDIA
(BANGALORE SECTION)



DEMONSTRATING THE VALUE OF CLEAN WATER

Fresh water, in sufficient quantity and quality, is essential for all aspects of life and sustainable development. In the rural area of the Kolar District in Karnataka, India, there is no perennial source of drinking water, and rainfall is below average. As a result, most community members do not get safe drinking water due to contamination of sources — which can lead to poor health. Student Members from the IEEE Christ University Student Branch and its SIGHT Group designed, developed, and installed solar-powered water purifiers in the district to address this challenge.

Solar-powered reverse osmosis water purifiers were installed in four locations with 1000L overhead tanks to collect water and 500L tanks to disperse the purified water. Charging a nominal fee for the water will ensure the systems' sustainability, with all funds collected to be used for the maintenance of the plant. Additionally, the IEEE team set up a mobile app to spread awareness about the importance of safe drinking water and how community members can keep their surroundings clean.

IMPACT



This project was implemented in 22 villages in the Kolar District — covering approximately 1,500 households. Involving community members in every project stage helped create a strong connection within the villages. Awareness and other activities are ongoing to ensure sustainability, with student volunteers visiting the communities weekly.



SMART URBAN FARMING SOLAR HYDROPONIC SYSTEM

TEAM: IEEE Members from the IEEE Malaysia Section



MALAYSIA



APPLYING SMART TECHNOLOGY TO URBAN FARMING

This project focused on 20,000 community members living in an area of low-cost apartments in Kuala Lumpur, Malaysia. To encourage business growth and provide an alternative source of income, members from the IEEE Malaysia Section implemented an urban farming solution.

The solution leveraged internet of things (IoT) and intelligent applications for real-time monitoring of the hydroponic plants connected to the internet in the PPR Seri Semarak Community Internet Center. The IEEE team converted the existing center to fit the project needs — installing maintenance-free solar-powered nutrient film technique (NFT) hydroponics. The local community members participated in an introductory class on smart urban farming and a seminar that outlined e-commerce techniques for hydroponic plants. Working with several local community and government organizations, the operation of the smart urban farming systems began with a three-month hands-on workshop and face-to-face training for the residents.



IMPACT



The project established a small IoT-based farm in a lower-income area in Malaysia, training 30 people to improve access to fresh produce and small-scale entrepreneurship. The project encouraged community interaction through training and hands-on exposure to urban farming. Additionally, the community is now established as the Smart Community Urban Farming Training Centre for IoT, Intelligent Agro-applications, Innovative Solar Systems, and NFT Hydroponics for other similar housing communities in the country.



SUSTAINABLE AQUAPONIC SYSTEM INTEGRATED WITH INDEPENDENT POWER SUPPLY AND PLANT-BASED CELL

TEAM: IEEE Members from the IEEE Malaysia Section and the IEEE Power & Energy (PES) Malaysia Chapter



MALAYSIA



TEACHING PEOPLE HOW TO FISH (SUSTAINABLY)

To help low-income households in a Malaysian community produce food at home sustainably, IEEE members and volunteers from University of Putra Malaysia set up aquaponic systems to allow harvesting of both plants and fish. The yield from the system can be directly consumed as food by the community or sold to others if there is a surplus, creating an opportunity for additional income generation. The plants from the aquaponic system can be harvested as soon as two or three weeks, while the fish can be harvested after approximately two months, depending on the type of fish.

The independent power supply for this aquaponic system was implemented — but not without challenges. A minor instability of the independent power supply caused the team to troubleshoot an alternative solar photovoltaic system to support the power supply. Recognizing the importance of involving local government and community entities, IEEE team members, both researchers and industrial experts, trained members of the local community on the science of the aquaponics systems and power generation.

IMPACT



The aquaponics systems have benefited more than 100 community members. Twenty people oversee the system maintenance and 23 people received training on the aquaponics system and use it as part of their side income sources. Apart from that, the aquaponics systems were installed near a kindergarten, community hall, and praying area — leading to more interest from the local community.



MOBILE APPLICATION TO MANAGE THE TRAINING PROCESSES OF YOUNG IMMIGRANTS

TEAM: IEEE Members from the IEEE Spain Section



SPAIN



MONITORING STUDENT PROGRESS SEAMLESSLY

To train young immigrants without work or specific job training, IEEE Members from the IEEE Spain Section partnered with a local NGO, CESAL, to develop an application for smartphones, tablets, and computers designed to track and manage a student's progress in their program. Through projects facilitating access to employment, CESAL trains young immigrants at risk of social exclusion. To manage the educational process efficiently, the app assigns teachers and students their related subjects.

NGO staff can monitor each student's performance, record and access administrative data from the programs, arrange tutoring schedules, and add many other functions. The students' information, the competencies they acquire, their insertion itinerary, and the follow-up that will be carried out during their internship in different companies are registered in a PDF document. All this information will be backed up in the cloud as a security measure.

IMPACT



The project benefited the CESAL training programs management and teaching staff since they all have access to the tool in the corresponding roles (administrator or teacher) for their usual tasks. Additionally, the app benefits all the current and future participants who enroll in the career training programs as they will have access to a centralized platform for data management and communication with the teaching staff. The app will help facilitate the learning path of more than 100 students each year.



See what HAC|SIGHT Project leaders have to say about their experience.

WHAT WERE YOUR **BIGGEST LESSONS** LEARNED FROM THIS PROJECT?

“ I learned that conducting a humanity project is more challenging than conducting any research in the lab. It requires a lot of patience, persistence, and a very supportive team. ”

“ Working with community-based stakeholders is key in co-creating sustainable solutions to what may otherwise seem like a straightforward access to technology problem. ”

“ It is always a great opportunity to learn and work in a team with interdisciplinary roles. The different points of view of each professional in the team were significantly valuable to approach the different problems that came up during the work of this project. ”

WHAT PART OF YOUR PROJECT WAS THE **BIGGEST SUCCESS** AND WHY?

“ It's inspiring to see how we students can help our communities and have a positive impact on them. ”

“ Our project opened a new world to [the project beneficiaries]. They learned about the new technologies, [and] get a better future and education. ”

“ Delivery of the project to the community is our greatest success because it was the goal of our team: To create something beneficial for people, that positively impacts their lives. ”

IN YOUR OWN WORDS, PLEASE DESCRIBE WHAT, IF ANY, IMPACT YOU FEEL YOUR HAC|SIGHT TEAM HAS HAD ON THE COMMUNITY IT SERVED.

“ [The project] plays a very vital role in the community. Many under-privileged [people] who can never afford...any automated system or new technology in their business [benefit from] the installation of advanced technological systems to ease their work. HAC also helps rural areas to be aware of the speed of new technology and science this world is embracing. ”

“ We as engineers can provide solutions to social problems in a practical way and without reinventing the wheel...applying technologies that are within our reach to improve the quality of life of communities, but always with the help of other disciplines. ”

Getting Involved with Humanitarian Technology Activities at IEEE

The newly formed IEEE Humanitarian Technologies Board (HTB), formerly the Humanitarian Activities Committee, is uniquely positioned to bring together individuals and entities within and beyond IEEE to advance humanitarian technology and sustainable development in local communities around the globe. Those looking to take action will find a number of opportunities to do so with HTB.

Ready to begin your own humanitarian technology and sustainable development project? Visit htb.ieee.org to learn about current funding opportunities. Or, if you are looking to create a team structure first, establishing an IEEE SIGHT Group (ieee-sight-toolkit.org/start/) in your Student Branch or Section is a good starting point. For those who may not have the time or the team members to implement a project directly, there are a number of other ways in which you can get involved.

For Individuals:

- **Help HTB create educational resources to guide** funded project teams during their planning, implementation, and assessment of their work. Write to htb-office@ieee.org to express your interest.
- **Become an HTB project proposal reviewer** — use your expertise to ensure projects awarded funding have a high probability of success. Write to htb-office@ieee.org.
- **Give to the IEEE SIGHT Fund of the IEEE Foundation** (www.ieeefoundation.org/impact/illuminate/ieee-sight/). Your contribution of any amount helps SIGHT transform the lives of individuals and communities around the world.
- **Interested, but not quite sure where to start?**
Become an IEEE SIGHT member to receive the monthly *HTB Sustainable Development Newsletter*, full of information about humanitarian technology activities at IEEE. Please contact us directly at htb-office@ieee.org.

For Organizations and IEEE Entities:

- **Join forces with HTB** to provide an awareness-raising or training opportunity for your members and/or hold a joint call for project proposals to maximize your impact. By partnering with HTB, your organizational unit (OU) can benefit from a proven model that will allow you to reach your members and their communities with meaningful and impactful solutions.
- **Sponsor or participate in the HTB Global Summit 2023.** Write to htb-office@ieee.org for further information.
- **Make a contribution:** Major donations to the IEEE SIGHT Fund can be structured to support projects in a certain region or field of interest.
- **Interested in other areas of collaboration?**

Interested in learning more about HTB's work and accomplishments?

Check out the annual report and quarterly reports, available on the HTB website — htb.ieee.org.



Humanitarian Activities
Committee



Special Interest Groups on
Humanitarian Technology

