

Press Note

Honey Bee Network Creativity & Inclusive Innovation Awards (HBNCRIIA) 2020

Honey Bee Network and GIAN have jointly organized first International annual competition for creative & Innovative ideas or traditional knowledge practices, which solve day-to-day problems faced by society including animals, the environment, or us.

HBNCRIIA award accepts entries from parents, teachers, professionals, college students, or any other adult in the formal or informal sector. This award aims to give international recognition to the innovations which are from/for grassroots, and address unmet social needs.

Prof Anil K Gupta while welcoming the distinguished jury members mentioned that Honey Bee Network Creativity & Inclusive Innovation Awards (HBNCRIIA) 2020 is given to most promising inclusive innovations from around the world. The Members of the jury included Prof. P V M Rao (Professor and Head, Department of Design, IIT-Delhi), Prof. Vijaya Sherry Chand (Professor & Chairperson, Ravi J. Matthai Centre for Educational Innovation, RJMCEI, IIM), Prof. B. K. Chakravarthy (IDC School of Design, Associate Faculty of Education Technology, IIT Bombay, Powai), Prof. Sanjay Sarma (Vice President for Open Learning and Professor of Mechanical Engineering at MIT, Boston), Dr. Chintan Vaishnav (Senior Lecturer, MIT's Sloan School of Management), Mr. Chetan Patel (National Coordinator - Shodhyatra at SRISTI), Ms Basma Saeed (Head of solutions mapping, UNDP Accelerator Labs, Sudan), Mr Nilesh Kulkarni (Director of Gharda Chemicals Ltd.), Mr Dan Kiernan (Careers Coach at Saïd Business School, University of Oxford), Wong Ada (Hong Kong Institute of Contemporary Culture), Rozita Singh (Head of Solutions Mapping, Accelerator Lab at UNDP, India), and Ms Alison Field- Juma (Executive Director at OARS Cambridge, United States).

This year, we have reviewed around 2500 entries from 87 countries. These were screened by eminent scholars/practitioners at the primary stage followed by expert jury review. The winners include 10 international awards, 4 Coping with Covid awards and 4 appreciation awards from nine countries.

Congratulations to all winners and we recognize the efforts by thousands of innovators who sent their ideas for dealing with COVID-19, sanitation, environmental care, agriculture, food and agro-processing, reduction in drudgery, safety, etc.

The entries for HBNCRIIA awards 2021 are open and can be sent at hbncriia@gian.org

Table of winner's details

Title	Country	Name of Innovator	Email Id	Contact Number	Innovation Details
One Peso Internet : PHILIPPINES	PHILIPPINES	A collective of Computer Technicians in Quiapo, Manila			<p>Pisonets are standalone internet kiosks that operate by inserting Php1.00 coins in exchange for 5 minutes of internet use. We observed that most users access their Facebook accounts and watch YouTube videos. Pisonets are made by assembling old cannibalized computer parts, CRT / LCD monitor, a digital coin slot & timer. In a nutshell, these are decentralized internet cafes. The need to have affordable internet to those without a smartphone or a computer.</p> <p>The solution is for the general public, mostly those in the youth sector. Users usually use the solution to access social media sites and entertainment sites such as YouTube.</p> <p>This means that access to computers and the internet is still a great challenge for people. Just like the PisoWiFi, this is a basic form of the sharing economy where the poor can have access to a computer and the internet through affordable means.</p> <p>This solution is the next evolution of the internet cafe and presents how internet cafes can be decentralized by bringing it to the customers. There is widespread acceptance by the general public as the arcade game-type design can easily be mobilized and installed in remote areas where there is no access to computers and the internet.</p> <p>Impact is apparent and observable</p>

Dog against gender violence : Ecuador : 2	ECUADOR	Andrea Mosquera			This solution was created by Andrea Mosquera who shared her experience in the Human Library event organized by Ecuador's Acc lab in January. Andrea is a woman with disability (cerebral palsy) who was assaulted in a park by a man who had followed her. When she was brought down to the floor, suddenly a dog approached them and barked insistently to the point that the attacker had to let her go. Her story: https://acclabecu.org/en/a-four-legged-hero/ From this experience, Andrea Funded ARNV (Non-violence Rapid Action), a foundation that trains street dogs to protect battered women who have a restraining order.
Mobile app to identify mosquitoes and, therefore, to prevent vector-borne diseases : ARGENTINA:1	ARGENTINA	Joaquín Cochero, young scientist Guide: Dr. Fernando Garelli, CONICET Assistant Researcher, Science Didactics Group (IFLYSIB), Head of Practical Jobs Department of Education UNLu.			Dengue and Participation, contributions from an educational look and the digital Mosquito Digital Project
Zyenika Adaptive Clothing Pvt. Ltd. (formerly, Fashionable Readymade	Kolkata, West Bengal, India	Ms. Soumita Basu	basu.soumita@gmail.com	7890019085	The biggest innovation will be in the structural design using different cuts, fasteners and fabrics and lay them out in a creative way clothes that are easy, quick, and painless to wear as independently as possible. It will adapt to low shoulder movements (like frozen shoulder), poor grip, low backache (like in slip disc), lack of movement of the

Adaptive Wear)					back on bending and low finger dexterity. There are two large categories of products- adaptive innerwear and outerwear.
Galah Tuis (Fruit packing/wrapping Pole): MALAYSIA	MALAYSIA	Azhar bin Ismail	azhar954@perlis.uiTM.edu.my	60 17-540 4872	This handy tool enables fruits to be swiftly and easily wrapped directly on tree branches without the need to climb up trees. The innovation protects damage to ripening fruits caused by birds, insects and tree-climbing animals such as squirrels while also reducing the risk of accidents from falling off trees. It is easy to use with minimal maintenance costs.
Smartphone with an inbuilt body temperature sensor- UGANDA	UGANDA	SIMI Mobile Uganda/ Engo Holdings Group	tll@simimobile.com	0787 265058	The phones are manufactured and assembled by SIMI Mobile Uganda in Namanve Industrial Park were launched by Evelyn Anite, the state minister for investment. The phone has infrared temperature sensors integrated into the rear camera block, which can measure one's body temperature. The phone costs Shillings 380,000 on the open market and it uses the Google Play Store to update itself. It does not require calibrating as is the case with temperature guns. The in-built sensors can read one's temperature on the surface without attaching it to the body. Anite launched another product by the same company, a solar-powered feature phone with an in-built solar panel to enable self-charging. It charges itself once placed under the sun and can serve as a power bank for other phones. The phone locally known as 'Kabiriti', also has social media applications and has a battery capacity of 4,000mAh.

<p>Life Shelter for displaced population: North Iraq Governorates: IRAQ</p>	<p>Iraq</p>	<p>Iraq Response Innovation Lab</p>		<p>Durable, Environment friendly, cost-effective, affordable and modular shelter solution made entirely with Rockwool, compliant with UN standards, with a life expectancy of 15 years+, to provide dignity to displaced population. Simple and easy to erect and disassemble. Semi-permanent. Safe and Resistant: Fire, earthquake and storm resistant. Lockable doors. Cost effective: cheap as a tent, good as a house. A 15+ life expectancy vs maximum 2 years for a tent. No need for yearly repair or winterization Kit. Resulting in • Well insulated : Sound reducing, provide privacy in crowded environment. Cold and heat insulating. • Sustainable and eco-friendly: No trees, 98% plastic-free; All materials are 98% reusable, • Possibility to create social enterprises to assemble and set-it up locally. Sourcing of materials : 80% Local, 20% International • Adaptable and modular Design : 3 size to accommodate households, schools and community centers, providing safety, privacy and dignity.</p>
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<p>Tomato es Shelf Life Enhance r- "Live More"</p>	<p>Visakhapat nam, India</p>	<p>Dabu Raja</p>	<p>9642113002</p>	<p>The innovator has come up with a herbal extract made of leafy vegetables which has allows tomatoes to be in good shape and in good condition for at least thirty days.</p> <p>Ingredients: Water, Hibiscus leaves, Shikakai pods, citric acid, methyl paraben, sodium carboxymethyl cellulose/guar gum powder.</p> <p>Formulation: 20 kgs of Hibiscus leaves are boiled in two equal batches in 10 l of water each, previously boiled and mixed with Methyl paraben, reducing the volume of the Hibiscus solution to half after which citric acid is being added(1 tablespoon per litre of water). Thus, 10 L of Hibiscus solution is produced.</p> <p>Two litres of Shikakai solution is being produced after boiling 1 kg of shikakai pods in 3l of water and adding either Sodium Carboxymethyl cellulose or Guar gum powder(1 tablespoon per litre of water).</p> <p>The final herbal extract is the result of mixing of both the Hibiscus and Shikakai solution.</p> <p>Method of application: Ripe tomatoes are dipped in the solution made by mixing 15-20 ml of the herbal extract per litre of water for 15-20 secs. The tomatoes is taken out of the solution and stored in room temperature.</p>
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<p>Agro-processing innovations by Dharamveer</p>	<p>Haryana, India</p>	<p>Dharambir Kamboj</p>		<p>9896054925</p>	<p>Machine to extract kernels from fresh corn The innovator designed a machine which will help people to extract corn kernels and corn milk easily. One has to just put the corn into the machine and the kernels will be ready at the other end. Also, there is a grinder associated with the set up which grinds the kernels to milk if needed. One person can extract kernels from nearly 200 corns in an hour. 1 kg of kernel is capable of producing 7 litres of corn milk. Vacuum frying machine The vacuum frying machine can fry fruits and vegetables with up to 65°C temperature inside a vacuum chamber which keeps the color and nutrition intact. The machine is capable of frying 5Kg of fruits/ vegetables within 20 minutes.</p>
<p>Modha device replacing Jacquard in Handlooms: INDIA</p>	<p>Telangana, India</p>	<p>SivaKumar Modha</p>		<p>7095810510</p>	<p>Innovation is a game changer for handlooms across the world. Innovator brought electronics to guide the weaver on the handloom for colour selection and no of threads hitherto being done by Jacquard. Easy to install, easy to operate, low cost, no maintenance, unlimited designs by using a pen drive can be weaved on the hand loom.</p>

Covid Awards

Title	Country	Name of Innovator	Email Id	Contact Number	Innovation Details
Isolated bed with enclosure structure	India	Ashokumar Aasarani		9251615722	<p>It is an isolated bed designed to ensure social distancing between the covid positive patients and the health workers treating them. The main aim behind the innovation is to stop further spreading of the virus from one patient to other.</p> <p>The design comprises of a detachable transparent enclosure structure which can be mounted on a bed with the patient in it. It has a window for providing the patient food and medicine. The window is also useful for accessing the patient for basic medical investigations with minimum contact. The enclosure can also be equipped with essential life-support systems.</p> <p>The structure itself is capable of carrying the patient to other places maintaining the isolation.</p>

Teaching Through Conference Calls	India	Balaji Jadhav	7588611015	<p>The teacher has started conference calling from April 2020, because students don't have smart phones at home, they have simple keypad phones, and internet is a major issue in satara. 80% of the students don't have smartphone facility at home.</p> <p>Contacting 10 students in one call in the morning and evening 1 hr.</p> <p>He has 40 students and in 1 to 4 std. In the beginning of lockdown he used to tell stories in the morning session and in the evening session the same story will be narrated by students.</p> <p>Now he is converting educational topics in story format and teaching through that, so listening gets interested.</p> <p>After that he asked students to write down the stories narrated on the phone call. In 1.5 month students are skilled in writing and narrating the stories.</p> <p>Then he went one step ahead and asked students to record the stories and now there 500 such student recorded stories available.</p> <p>Steps are - listening - Writing - Speakiing - Recording</p> <p>All stories are available on google drive folder for other school children and teachers</p>
Interactive Soap: Iraq	Iraq	Field Ready – Makerspace(Community Initiative)		<p>Interactive Soap which is a soap that contains toys inside it to motivate the children to wash their hands and get the toys. The soap are locally produced and the toys are manufactured by using the 3D Printing mechanism.</p>

Cable Classroom	India	Ashokbhai Dave		9427379274	<p>Arranged a educational lecture series through cable network telecast in rural areas where internet connectivity is a major issue</p> <p>Free services provided by Shankheshwar Cable Network – Mayur Goswami, Krishna Studio and Harsiddhi Computers – Mehul Goswami</p> <p>Covering schools of 70 villages and 20000 children of Shankheshwar block</p> <p>350 teachers of block are delivering lectures according to decided time table</p> <p>Daily 2 hour lectures are being delivered from last 2 months</p>
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Appreciation

Title	Country	Name of Innovator	Email Id	Contact Number	Innovation Details
Cassava & Sargassum Bioplastic: BARBADOS	BARBADOS	Kerri-Ann Bovell	kmebovell@hotmail.com , kerri-ann.bovell@mycavehill.wi.edu		<p>The innovator Kerri-Ann Bovell has not started production or selling. She has developed a prototype and done testing only thus far.</p> <p>https://www.bb.undp.org/content/barbados/en/home/presscenter/pressreleases/20191/eight-pitch-innovative-solutions-to-blue-economy-challenges.html</p>

Drinking straws from coconut leaves	India	Saji Varghese	saji.varghese@christuniversity.in	<p>He has come up with an innovation of biodegradable straws from naturally fallen coconut leaves. They have also developed four machines for the production process which can be given to women groups in rural areas and engage them in the production of straws. The straws have received good response globally as it is made in a chemical free process taking advantage of the natural wax in dry coconut leaves which makes it hydrophobic and antifungal.</p> <p>The straw varieties range from 3mm to 13 mm diameter and customized lengths and are priced between Rs.2.80-Rs 4:70 per straw for the various dimensions for bulk purchases.</p>
Modification in electric plug	India	Ravi Kumar Sharma		<p>The idea is to attach a switch with the electric plug which will stop passage of electricity to the electronic appliance connected through the plug.</p> <p>With this there will be no need for the user to remove the plug from the socket after each usage of the appliance.</p> <p>Again, in case of any damage in the switch of the 'modified electric plug', there will be no harm caused to the appliance. One can simply change the switch and the plug will be in the working condition again.</p>

Sun Handloom for disabled	India	Kapil Vaidya		9958803655	<p>In order to Solve the problem of disabled weavers who cannot operate shafts by their legs, the innovators made a new mechanism by adding hand-levers to raise and lower the head shafts.</p> <p>So this new loom is fully operated by hand levers and no need of foot to run this loom.</p>
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For more information find below the google link:

https://drive.google.com/file/d/1VPzbGTZWHfCxIbhydHDUCjKXo_t2qpFB/view?usp=sharing

For any query contact Dr. Anamika Dey – 09558850660, anamika@gian.org