GTU INNOVATION COUNCIL

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DIC-MoE visit by Under Secretary Government of India

Date: 14th October, 2021 **Time:** 10:30 am to 1:30 pm

Venue: Academic Block 2, GTU Innovation Council, Ahmedabad

Highlights from the Session:

Shree Sandeep Jain, Under Secretary of Government of India, visited the GTU Innovation Council. The agenda of the visit was to plan and scrutinize current grant provided to GIC and to expand the reach by critically observing the problems on ground. The council targets to create a management system, which uses the existing structures and facilities by bringing them together for working for innovation. The visit started with exhibition of various ongoing startups and projects, followed by discussion on entrepreneurial ideas. It also included an exploration of the premises.

Participants of the Visit

1. Folding Mechanism for Solar Panel

With increasing use of solar power and decrease in conventional fuels, we need to add portability and transportability to the structure of solar panel. So that, solar power can generated anywhere and used at any time. We made a mechanism that provides fold ability and transportability to the solar panel structure. So that the whole structure can be disassembled and re-assembled according to need and wants.

2. Newton's Apple Security Solutions

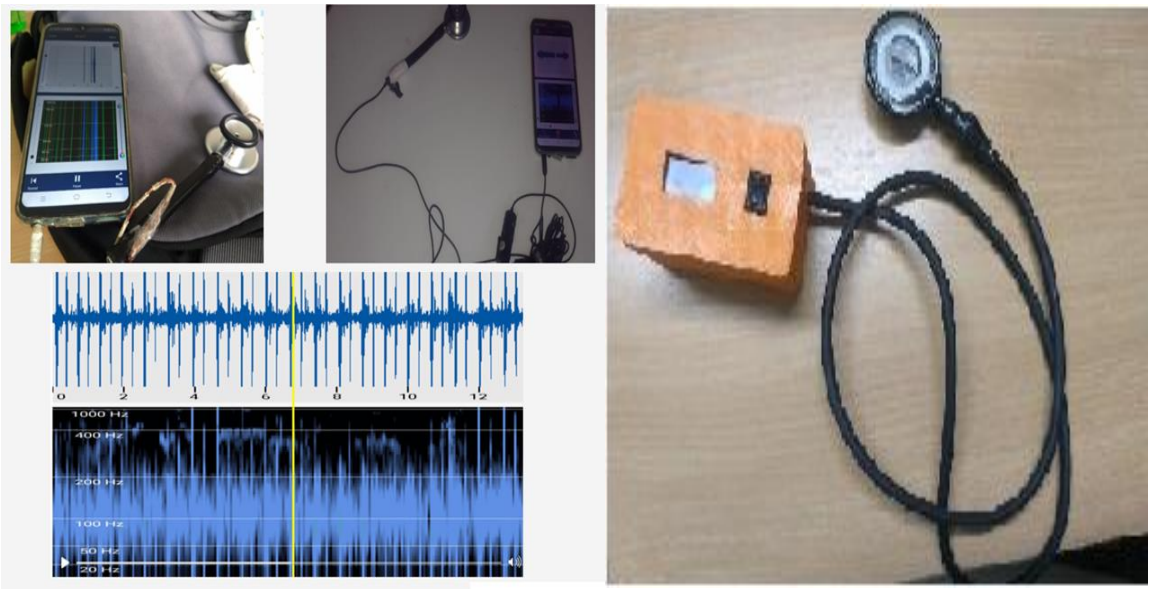
Newton's Apple works with clients to enable the successful implementation of secure IT infrastructure to accelerate their growth in business and personal life. Advancement in technology and interconnected business ecosystems has combined to increase exposure to cyber-attacks. We aim to digitally shield the cyberspace by offering various solutions. We are hovering to influence our proficiency and global footprint in the field of information security and cyber security. We foster certified trainings on Information Security and provide penetration testing and security audits.

3. Hybrid floor UV-C sterilizer Robot

Hybrid Floor UV C sterilizer Robot is a fluid less device which can be used to perform the disinfection of various germs, bacteria and viruses, it is based on UV C light. It has an additional on hidden vacuum cleaner inside the device to collect the dust and dirt from floor. It has various ultrasonic sensors to minimize the jerks and accidents with household furniture or industrial flooring obstacles. It detects all motions happening around it, it has special cliff detection to avoid falling from heights. It has different modes to control the motion. So, it is user friendly and cost effective. UV C light detects the spatters of germs, viruses and bacteria, which can be seen only in black light. UV C light kills almost all the germs, bacteria and viruses and it doesn't use any fluid for sanitization. It is human friendly so it doesn't require attention as it is automatic robot. We can use it with solar energy or electrical energy to run this device. It is user friendly and can do multi task simultaneously.

4. Stethoscope for ALL

Stethoscope- a very important tool for doctors to diagnose various diseases but due to COVID-19, doctors are afraid to use it as infected patients may come in direct contact of the doctor. Analog (traditional) stethoscope has low sound levels, requires the physician to stretch and lean over patients or maneuver around a hospital bed, which can place physicians in uncomfortably close proximity to the patient and frequently results in the displacement of the ear piece. Our electronic stethoscope is affordable by everyone. Integration of digital stethoscope with mobile is there. Recording of audio (heart and lung sounds) data in the mobile is possible so that it can be sent to the concerned doctors or other medical agencies for necessary diagnosis/ steps. It helps in boosting telemedicine and helps to achieve SDG 3 goal committed by UN i.e. to remove diseases strengthen treatment and healthcare.



5. Erkey Motors India Pvt. Ltd.

Erkey motors was founded with an aim to make electric vehicles (two wheeler) available and affordable to all so it can be the major source of transport, which will lead to reduce the tailpipe emission up to 90%. We are developing S.M.A.R.T connected and high performance electric motorbike as well as conversion kit which can be fitted to any two wheeler designed to provide maximum performance compare to conventional vehicle to help working professionals and travel enthusiast to gear up with the current situation of increasing fuel price and non-availability of affordable electric vehicles. To support and handhold our initiative, we are incubated at Design innovation center GTU where we received grant-in-aid of Rupees 2.5 lakh for prototype development, mentorship and infrastructure support for chassis fabrication, technology guidance for motor, controller design and development, complete vehicle design assistance and facility for 3D printing of the design for real time analysis. Also we conducted an awareness programme to inform people about the electric vehicle technology and overall benefits of electric vehicle ownership with guidance and support of DIC-GTU. We are DPIIT certified & recognised by Startup India, startup Chhattisgarh, Meity startup hub, Nasscom 10000 startup & registered under MSME.

6. MAHITX

7. Vishwakarma Agriculture

8. Robotics team

Glimpses from the event:

Report submitted by: Priya Mishra