

IIT-M, Helyxon develop remote patient monitoring device for COVID-19

IIT Madras' Healthcare Technology Innovation Centre (HTIC) and Helyxon, a healthcare startup in IIT Madras Research Park have announced successful deployment of remote patient monitoring solutions for COVID-19 that they have jointly developed. The device is a first-of-its-kind in the market that does clinically accurate continuous monitoring of four critical parameters – temperature, oxygen saturation, respiratory rate and heart rate. The device has already reached over 2,000 patients in public and private hospitals, and at homes, with another 5,000 devices in the pipeline. Production is being scaled up to meet the growing demand. Cost of the device ranges from Rs 2,500 to 10,000 depending on the configuration and parameters. The device is completely self-contained, portable, wireless and can be clipped on to patient's finger and data is streamed to a mobile phone or central monitoring system. The temperature is measured at the armpit and blood oxygen level, and other parameters at the finger itself.



NITI Aayog to develop robust ecosystem for startups



In a major initiative to encourage and enable holistic progress in the incubator ecosystem across the country, NITI Aayog's Atal Innovation Mission (AIM), has launched AIM iCREST – an incubator capabilities enhancement programme for a robust ecosystem focused on creating high performing startups. This is a first of its kind initiative for advancing innovation at scale in India.

AIM has joined hands with Bill & Melinda Gates Foundation and Wadhvani Foundation – organizations that can lend credible support and expertise in the entrepreneurship and innovation space. AIM iCREST, as the name suggests, has been designed to enable the incubation ecosystem and act as a growth hack for established incubators across the country. Under the initiative, the AIM's incubators are set to be upscaled and provided requisite support to foster the incubation enterprise economy that will help them to significantly enhance their performance. This will be complemented by providing training to entrepreneurs, through technology driven processes and platforms.

PURE EV supplies lithium batteries for healthcare applications

Electric vehicles startup PURE EV is providing lithium batteries to healthcare tech companies that are engaged in the fight against COVID-19 pandemic across India. The batteries are being used in medical applications such as ventilators and robotic sanitation devices. The startup supplies batteries for various applications under the brand name Pure Lithium. Incubated by IIT Hyderabad, PURE EV is working on innovative applications for Lithium batteries, which it manufactures in-house. The primary application for its Lithium battery is for its in-house manufactured electric vehicles sold under the brand PURE EV. The startup has supplied lithium batteries to IIT Hyderabad Center for Healthcare Entrepreneurship (CfHE)-incubated startup Aerobiosys Innovations, which has developed a low-cost, portable, emergency-use ventilator called Jeevan Lite. This device offers protection to healthcare providers as well as it is Internet of Things-enabled and can be operated through a phone app.

