

## IIT-D showcases multiple medical & health-based technologies at Industry Day

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IIT-D is engaging with industry through centres of excellence in specified areas of research like smart technology enabled manufacturing, 5G, artificial intelligence etc.

The Indian Institute of Technology Delhi (IIT-D)'s flagship industry-academia partnership event "Industry Day", held recently, focused on future-ready solutions in the field of healthcare technologies, electric vehicle research, communications and sustainable clean energy and environment. The technologies showcased within each of these themes also includes those which are being developed in collaboration with industry partners.

Inaugurating the 4th Edition of Industry Day, chief guest Anant Krishnan, Executive Vice President and CTO, Tata Consultancy Services, emphasised the need to create more future-ready solutions from IIT-D and how the four themes of the Industry Day are interlinked to India's mission of "atma nirbharta".

An augmented reality platform for supporting children with autism, wearable sensors for real-time healthcare monitoring, infection-resistance polymeric scaffolds for wound healing, bio-medical implant applications, in-built solar charge controllers for refrigerators, waterless urinals, plasma gasification technology for municipal solid waste treatment and energy recovery, a mobile application based rapid diagnostic-test reader for albuminuria; surveillance drones developed in India; two-wheelers running on compressed bio-gas; SARS-COV-2 RT PCR assay for COVID-19 were among the many innovations being developed at IIT-D that caught the attention of business leaders attending the Industry Day.

A few other examples of the cutting-edge research by IIT-D that were a part of discussions and deliberations included an artificial intelligence based portable device for rapid detection of epilepsy, extremely cold climate clothing for defense personnel, a solution for providing power to biomedical devices and healthcare systems, electric vehicle power converters, a hand exoskeleton for paralytics, recyclable syringes for wastewater treatment, technologies for electric vehicles, humanised chatbots for improving user experience and several more.