PinkTech Designs launches digital system to detect germs on hands

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PinkTech Designs has recently launched DSAS or Digital Sanitisation Audit System, supported by the Government of India, that can detect whether you hands are really clean and germs free or not, which is ideated and developed by an eight year old student Meer with the help of his sister Mira and father Dr Kanav Kahol.

Digital Sanitisation Audit System (DSAS) is an innovative technology that helps in identifying whether we are adhering to the hygiene protocols or not.

DSAS innovation, supported by BIRAC, Department of Biotechnology, Government of India with the funding of Rs 50 lakh, partnered by NU Verse, can now predict if the hands are germs free and properly sanitised, ensuring the breakage of COVID-19 chain.

Speaking of the innovation Dr Kanav Kahol, CEO, DIVOC Health by PinkTech Designs said, "We know that when we apply sanitiser, certain amounts of gases are leaked out of the hands. The idea behind DSAS is to catch a signature of these gases that are eliminated to know if the person has applied enough sanitiser for a sufficient time to be effective. To detect the signature, we included gas sensors in the device and along with the help of NABL accreditation, our hygiene officers in the

laboratories could accurately check whether the samples we were receiving were clean or not. Based on the database we trained a neural network with 99.9 per cent accuracy of predicting whether your hands are clean or not."

The DSAS innovation contains three major systems ie RFID Attendance system, AI/IoT based hand sanitisation detection system and sanitiser dispenser. It has a cloud based sanitisation audit where all the records are stored. This technology can be integrated anywhere and everywhere due to its user friendly nature.