

COVID 19 TRACKER AND SURVEILLANCE SOLUTION

Suraksha Kawach

Office of Advisor (Cyber) under the aegis of Secretary DDR&D and Chairman, DRDO took the initiative of developing a solution for Corona patient tracking & surveillance to fight Corona situation. The product Suraksha Kawach was realized to be a tamperproof solution for tracking of COVID 19 patients. The salient advantages of Suraksha Kawach are:

- Ankle/Arm band based custom designed IoT solution, which will allow configuration or design modifications as deemed and devices may be re-utilized for other tracking purposes after end of Corona phase.
- GSM and GPS enabled system for real time tracking. Rugged design, with Central monitoring and management solution
- Geo-fence, temper detection & battery status monitoring with mechanism for alerts to urban local bodies / police with a distributed alert mechanism.
- The device can also be integrated with Arogya Setu or any other mobile App through Server feeds or introduction of a Bluetooth low energy chip in the current design.
- Battery capacity to withstand quarantine period of 21 days or more, so the device need not be removed for charging at all. Having physical disconnection from device while charging may lead patient to evade quarantine zone.



- **Production Partner:**
Annex Infotechnologies Pvt Ltd,
Ahmedabad Gujarat.