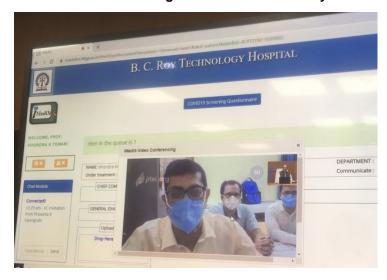


## IIT Kgp rolls out telemedicine system for corona care from home

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## The software will be integrated at the Dr. B. C. Roy Technology Hospital of the Institute



The researchers at IIT Kharagpur's (Kgp) Dept. of Computer Science & Engineering have developed a telemedicine system, iMediX.

The system integrates homecare with healthcare services from the hospital. Considering the emergent needs due to COVID-19 Pandemic, the system facilitates critical health care support to patients at their doorsteps through remote consultation by a physician. The system is accessible by any standard internet browser and also from a mobile device.

In this system, a patient signs up to get an account by providing her Email ID or Mobile number. Then the patient can make a request for consultation by choosing a Department of the hospital, entering her chief complaints and uploading necessary scanned medical records. The hospital administration processes the request and assigns a doctor. The doctor after logging in sets an appointment date and time for the patient and the system communicates the information to the patient by Email and SMS. On the day of visit, the doctor consults the patient using video conferencing and advises her by writing a prescription, which is sent by Email to the patient. The patient can also download the prescription from her account.

The software was launched on October 2, 2020 on the occasion of Gandhi Jayanti and will be integrated at the Dr. B. C. Roy Technology Hospital of the Institute which provides emergency healthcare services for the campus residents and employees, confirmed the office of Principal Medical Officer Dr. Samir Dasgupta.

Director Prof. V K Tewari shared his plan to expand the use of this technology to people outside the campus through the upcoming superspeciality hospital of IIT Kgp. The researchers are already in touch with healthcare MSMEs for commercialization of the copyrighted version of the technology. A base model was installed at Swasthya Bhawan, Govt. of West Bengal on trial basis. Field trials are also underway for the base model at Bangladesh.