

**Proposals on Product Development towards Combating COVID 19 Outbreak
An Initiative from IIT Kharagpur**

Category: Testing Kit

Title: Development of smartphone-integrated paper-strip kit for rapid low-cost diagnostics of COVID-19 infection

Expected Outcome: A portable rapid diagnostic kit, which in combination with a smartphone app, can be deployed at community level in order to carry out extensive detections for the SARS-CoV-2, the causative agent of COVID19.

Expected Timeline: Development of the prototype diagnostic kit – 6 months

Remarks: Funding Requirement for Method development and standardization, Device fabrication, Validation of prototype device - Rs. 25 Lakh

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