

Technology Innovation and Incubation Center

Atal Bihari Vajpayee- Indian Institute of Information Technology & Management Gwalior
(An Autonomous Institute of Government of India)
Morena Link Road, Gwalior-474015

Call for Proposal: A Special attention towards COVID-19 Pandemic

COVID-19 has become a global pandemic straining health system in many countries including India. In the absence of a COVID-19 vaccine, reducing the contact rates in the population is considered to be a better option to reduce the transmission of the deadly coronavirus. As R&D units of the Institute is striving to come up with antivirals and vaccines to eliminate this virus, it is also important to develop some technological solutions to stop the rate of spread of COVID-19 among the population and better management of essential services during the lockdown period.

TIIC will incubate the selected proposal after various level screening with two categories EIR up to 4.0 Lakhs (Startup at ideation stage), Incubation with GRANT up to 7.0 Lakhs (For startup at PoC/MVP stage). In this context, TIIC Unit of ABV-IIITM announces short-term projects for the ABV-IIITM faculty members and students (Student will assign to faculty) as well as outside corporate, in the following areas, preferably with multidisciplinary efforts.

- Mathematical Modeling of COVID-19 Spread.
- **Smart Healthcare Solution** specifically boosting immunity during this pandemic and reducing transmission rate of this coronavirus.
- Smart **quarantine** center.
- Web/android based solution for **Education**.
- IoT based solution for **Agriculture**.
- IoT based solution for development of **rapid detection/diagnose kit/PPE kit** for covid-19 at large scale.
- IoT based solution for **Local unemployment/unskilled/labor** at Gwalior region.
- IoT based solution for **infrastructure and transport** system.
- Quantitative Social Science Approaches for **Epidemiological Models**.
- Computational identification and validation of **COVID-19 molecular targets**.
- **Supply chain management** during the lockdown.
- **Strategic Preparedness and Response Plan** for COVID-19 pandemic.

Project duration would be one year with a fixed grant for essential equipment only which is not available in the Institute. Proposals should be submitted through **tiic@iiitm.ac.in** in max 1-2 pages with a copy to Dr. Prasenjit Chanak, Faculty Coordinator, TIIC (**pchanak@iiitm.ac.in**).

Project proposals which are not related to the theme of the call will not be considered.

Project proposals will be evaluated on a first-come basis (by the external/internal experts), with a last date of submission as August 15, 2020.

Dr. Prasenjit Chanak
Faculty Coordinator, TIIC
ABV-IIITM, Gwalior