Social Diary:
Social Initiatives
taken @IITH

KID: 20200126

1. Lab-made Sanitizer

Dr. Mudrika Khandelwal (MSME dept.) has developed sanitizer and distributed to various essential services in the IITH campus.
Expected number of Beneficiaries: 500

2. Lab-made Sanitizer for
Local Administration

Dr. Jyotsnendu Giri (BME dept.) has developed hand sanitizer and at present under his leadership about 100 litres of Sanitizer is being prepared daily and supplying to the District Collectorate and Government Hospitals in Hyderabad
Expected number of Beneficiaries: 30000

**Dr. Shivakalyani
preparing Sanitizer**

3. Lab-made Sanitizer for
Local Administration

Pure EV, a company incubated out of IITH and situated just outside IITH Campus, with one of our faculty (Dr. Nishanth Dongari, MAE dept.) leading the research activities there, has made about 3000 bottles of sanitizers (250 ml).
Expected number of Beneficiaries: 20000

4. Self-made mask for needy

Pure EV have manufactured about 5500 3-ply masks and distributed to local needy people.
Expected number of Beneficiaries: 5000

**The Hand Sanitizers
developed by IIT
Hyderabad Researchers for
use in the Institute
Community.**

5. UV-C based LED sanitizer

Prof. Zafar Ali Khan (EE dept.) is working on UV-C based LED sanitizer.
Expected number of Beneficiaries: 50000

**Prof. B S Murty using the
Lab made Sanitizer**

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6. App for Data Collection

a) Dr. Sobhan Babu (CSE dept.) is developing apps that collect data about health conditions of the citizens and provide to local administration on a constant basis.

b) On the request of Telangana state government, Dr. Sobhan Babu group has developed an app that helps to monitor quarantining.
Expected number of Beneficiaries: Mass population

7. Support to State administration

Dr. Mohan and Dr. Kousik (BME dept.) and their team are providing COVID-19 prediction daily to the state administration.
Expected number of Beneficiaries: Mass population

8. Supporting villages adopted under 'Unnat Bharat Abhiyan' with COVID-19-related activities & preparedness

IIT Hyderabad has adopted the five villages under Unnat Bharat Abhiyan (UBA) activities. The details are as given in Table 1. Even before the COVID-19 situation, the institute has been interacting with the villages from January and February of 2020 to in the context of UBA. The institute coordinator, Dr. Prasad Onkar, with a team of faculty visited four villages and conducted Gram Sabhas to assess the prevailing situation. This also coincided with the 72nd Republic Day celebrations which were mandated by NCI, UBA – IIT Delhi.

Name of Village	Name of the Mandal & District
Anthram	Chilpched, Medak
Salabatpur	Kowdipally, Medal
Mohammed Nagar	Kowdipally, Medak
Kan Navaram	Kowdipally, Medak
Bujarampet	Kowdipally, Medak

As soon the COVID-19 pandemic broke, in the mid of March 2020, The Institute reached out to the villages through the respective panchayats. The initial ground report from the village panchayats was collected over the telephone and there were no issues of COVID-19 and the villagers were asked to take basic precautions to wash hands with soap, cover the face while sneezing, keep premises and locality clean, etc. Once the lockdown was declared, A WhatsApp group was formed with all the Mandal Panchayat Secretaries. Further based on the instructions of RCI, UBA. A screenshot of the WhatsApp group is shown in Figure 1.
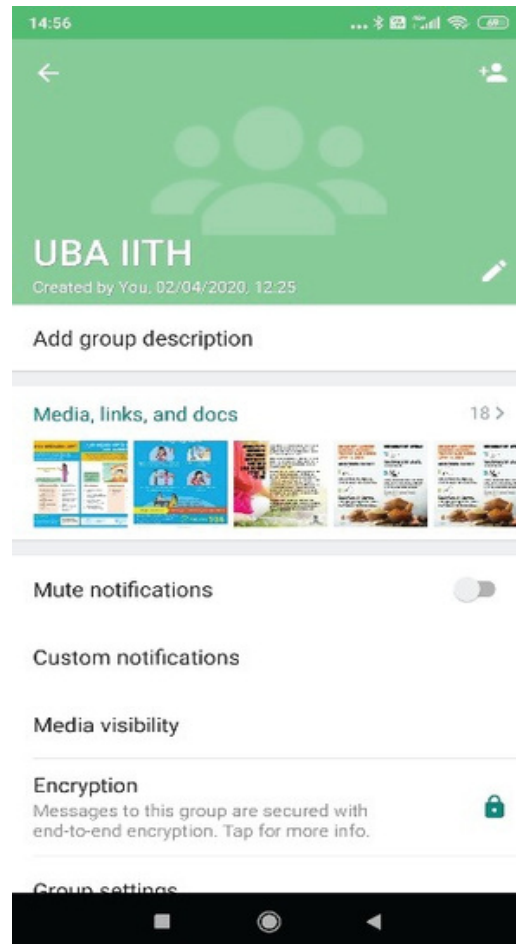

Figure 1: Screenshot of the WhatsApp group of UBA village representatives

In coordination with NIRD –PR Hyderabad (RCI, UBA), informative material is shared with the group. We have translated the material in the local language (Telugu) and shared with the villages. Figure 2 and 3 show some examples of the posters shared with the villages.

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Figure 2. Poster for safe disposal of masks (Translated to Telugu language)

Figure 3. Poster for safe disposal of masks (Translated to Telugu language) -2

Activities under MNREGA scheme have started in the villages and Secretaries are asking for some face-masks for MNREGA workers. Hence, we have come up with a procedure to make a cloth mask locally. We have prepared a brochure/ video and shared with the village SHGs to produce the masks. (Figure 4). We are also in the process of supplying some more essential materials including masks, gloves, sanitizers, some groceries.

Figure 4. Step-by-step Instructions to prepare masks

We also had a web meeting with the UBA Coordinating Institute, (IIT Delhi) and all the Participating institutes of NIRD-PR on 13th April 2020 to coordinate the activities of the participating institutes. The screenshot of the same is attached as Figure 5.

Figure 5. Screenshot of web-meeting with NIRD-PR (RCI) and IIT Delhi (NCI, UBA) representatives.

The village representatives are also instructed to download Arogya Setu app as informed by government agencies to be installed by the villagers who are having smartphones. Similarly, farmers in the villages are asked to install KISAN RATH app which will guide them in farming activities.

Updates from the Village on awareness of COVID-19 and other details:
IIT Hyderabad is in constant touch with the villages and monitoring the situation in villages through telephonic interaction and WhatsApp group. Many village representatives have updated on the activities which are specific to the COVID-19 situation. Some of the common activities carried out in most villages include Distribution of masks, Awareness to the people to maintain cleanliness. Implementing Lockdown instructions like restricting the movement of people, monitoring working of shops to maintain social distancing, ensuring the supply of essential goods like water, groceries, etc. Health workers (ASHA and ANM) have been actively conducting a survey to assess the awareness about the COVID-19 situation. Two villages Panchayat has also shared the measures taken for COVID-19 situation.