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BBC launches six products to fight COVID-19 pandemic

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BBC has launched a support platform for Innovators developing products for fighting against COVID-19



Six products were launched by Minister of IT, BT and S&T and Deputy Chief Minister Ashwathnarayan at the Department of Electronics, IT, BT and S&T. These six products have been developed at Bangalore Bioinnovation Centre (BBC) under the mentorship of Dr Jitendra Kumar and his team.

The products launched were Shieldex 24- a UV-ROS box for COVID 19 sterilization, Florescence probes and PCR mix for RT-PCR detection, a remote foetal monitoring device- Keyar and Daksh, Viral Transport Media- DeConto VTM, Cov-Astra an AI based device for detection of COVID-19 and Anti-microbial face wash containing herbal antimicrobials,

1. **Shieldex 24, UV-ROS box for COVID 19 sterilization**

Shieldex 24- is a UV-ROS box for COVID 19 sterilization developed by Biofi, an incubatee of BBC. This product can be used at the entrance of any office, airports, railway station for quick sterilization of items, baggages etc. The fast sterilization is achieved by novel technology of free radical generation for which patent has been filed.

2. **Florescence probes and PCR mix for RT-PCR detection of COVID 19**

Florescence probes and PCR mix for RT-PCR detection of COVID 19 developed by VNIR, an incubatee of BBC. Currently India is importing these probes and reagents from abroad is very expensive. This product is indigenously developed with a proprietary process and is very cost effective.

3. **Foetal monitoring device- Keyar and Daksh**

It is a remote foetal monitoring device- Keyar and Daksh developed by Janitri, a start-up funded and mentored by BBC. This product is specifically useful during COVID pandemic as doctors can monitor pregnancy without physical examination. The foetal heart rates and other vitals can transmitted from home to doctors through app and is an example of telemedicine.

4. **Viral Transport Media- DeConto VTM**

Viral Transport Media- DeConto VTM developed by Denovo Bio labs, incubated at IBAB, funded and mentored by BBC. This is a very much needed product for sample collection and preserving the integrity and viability of the COVID 19 samples obtained from patients. This is a proprietary technology which can be used for efficient transport of COVID 19 samples from patients to the diagnostic clinic.

5. **Cov-Astra an Artificial intelligence based device for detection of COVID 19**

Cov-Astra an Artificial intelligence based device for detection of COVID 19 developed by Aindra, a graduate start-up of BBC. This platform can analyse chest X ray and CT scans to predict that the patients might be infected with COVID 19. This will help doctors to treat patents effectively.

6. **Anti-microbial face wash containing herbal antimicrobials**

An Anti-microbial face wash containing herbal antimicrobials developed by Atrimed, an incubatee of BBC. This is a proprietary product which can be used to disinfect the face with COVID 19 and other microbial infections.

During the launch, Deputy Chief Minister congratulated the start-ups who developed the products and said “these technologies and products developed by the start-ups at BBC shows that Karnataka has emerged as a leading state in developing solutions to fight the COVID-19 pandemic and is a result of robust Innovation ecosystem present here”. Ramana Reddy, IAS, Additional Chief Secretary to the Department of Electronics, IT, BT and S&T, Government of Karnataka and Chairman, BBC said “We are very proud to launch the Technologies and Products in timely manner to fight the pandemic and some more Technologies and Products are in the pipeline”.

Dr Jitendra Kumar, Managing Director said “It is heartening to see that the start-ups have come up with the products in short time and this demonstrates that the Incubation, facilitation, funding and ecosystem building efforts by BBC which is generously supported by KITS, Department of Electronics, IT, BT and S&T, Government of Karnataka is bearing fruits”. He also stated that BBC has launched a support platform for Innovators developing products for fighting against COVID 19 and that some more products for diagnosis and therapy are being developed at the centre.