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INVEST INDIA
NATIONAL INVESTMENT PROMOTION & FACILITATION AGENCY

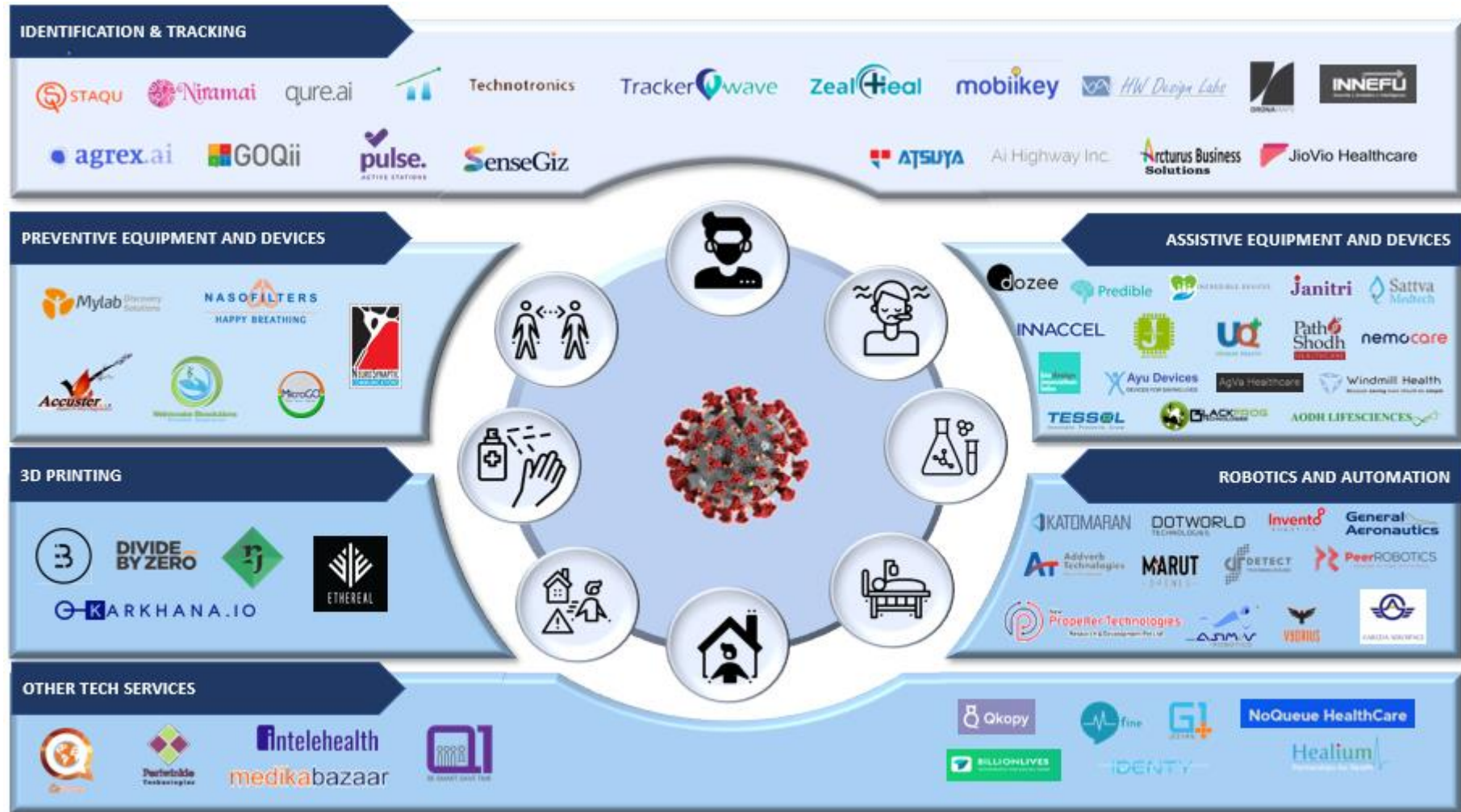## STARTUP SOLUTIONS FOR COVID-19 SUPPORTED BY COVID-19 TASKFORCE

APRIL 2020

BIRAC
Ignite Innovate Incubate

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF SCIENCE & TECHNOLOGY

DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA

agnii
IGNITING IDEAS

Office of the Principal Scientific Adviser
to the Government of India

NITI Aayog

AIM
ATAL INNOVATION MISSION

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OVERVIEW OF THE CHALLENGE

❖ A challenge, 'Submit Solutions to combat COVID-19' was launched on the Startup India Portal. The challenge aims at scouting innovative technologies and solutions for precautionary as well as treatment-related interventions.

❖ The solutions were invited under 10 broad categories namely Personnel protective equipment, Testing Equipment, Critical- care equipment, Large area sanitization and sterilization, AI-based technology for contactless entry, Movement tracking, Geofencing, Crowd management, Fake news detection, and Logistics.

❖ The solutions received were evaluated by COVID-19 comprising of Biotechnology Industry Research Assistance Council, Department of Science & Technology, Department of Biotechnology, AGNIi, Office of the Principal Scientific Adviser, and AIM- NITI.

❖ This listicle contains details of all the shortlisted solutions by startups for COVID-19 by the Taskforce.

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STARTUP LANDSCAPE

Note: The landscape does not represent the exhaustive supportive ecosystem for COVID-19 and have been prepared based on the research.

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PERSONNEL PROTECTIVE EQUIPMENT

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COVID-19 STARTUP SOLUTIONS BY TASKFORCE

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BUBBLE BYTE INDIA

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Amankhan Khajakhan Pathan **Website**: www.bubblebyteindia.com **Location**: Maharashtra	**Product**: Dr. Sanitor **Target Audience**: Hotels, Government Offices, Police Stations, Hospitals, Banks, Shops, Malls, etc.	**Startup Stage:** Early Traction **Price**: INR 500 **Production**: 500 per day	**Deployment**: They need deployment support.

- Hands touch many surfaces and can pick up viruses. The virus can survive for about 72 hours on different surfaces.

- Sanitizing every possible surface is one of the current devised ways in precautionary measures. What if we can do our daily chores without having to touch anything. The lesser you touch, the safer you are. Even while washing our hands we touch the surfaces of the cleaning agent or water tap, so there are chances of the virus being settled on the surfaces.

- Dr. Sanitor- A smart mechanical liquid disinfectant dispenser, which dispenses fluid without having to touch the bottle. It uses a pedal mechanism for its operation. Safer and cost-effective precautionary measures.

- Dr. Sanitor can be installed at public places with sanitizer bottles at toilets, washbasins, colleges, hospitals, etc. Every place where a hand wash is a must. There are two versions of the product portable and fixed place application.

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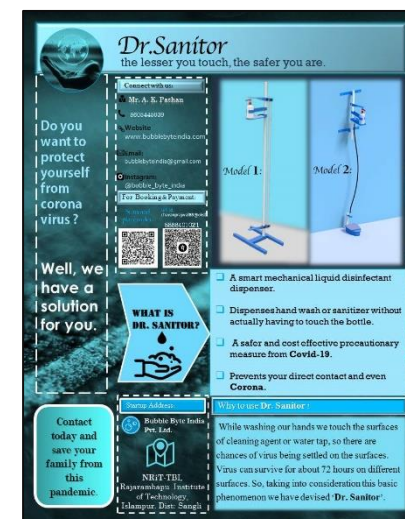Ministry of Commerce and Industry
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INDIAN INSTITUTE OF TECHNOLOGY MADRAS
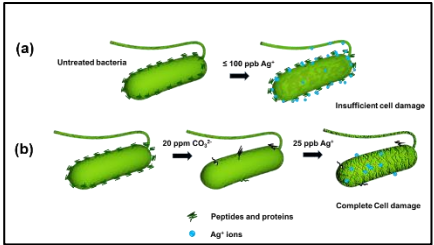
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Prof T Pradeep **Website**: www.dstuns.iitm.ac.in **Location**: Chennai	**Product**: Nasal Drop Technology for Deactivation of Covid-19 **Target Audience**: Central and State Governments	**Startup Stage:** Scaling **Price**: INR 10 **Production**: 10 MT per day	NA

- The proposal is for the application of their technology in nasal drop-based deactivation of the COVID-19 virus. They expect a significant decline in the virus infection, especially when the infection has affected the nose and throat. The formulation can also be applied for surface sanitization.

- They expect the product to be extremely effective for the prevention and treatment of nasal transmission virus infection initiates and progresses through the droplet route and their technology is extremely effective against high virus load in the water medium.

- This technology has been successfully tested against enteric viruses (such as Rotavirus, Poliovirus, Japanese Encephalitis), bacteria (such as E. Coli, Salmonella, S. Aureus).

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SHAPEYSQUARE

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Shubham Ahluwalia **Website**: www.shapeysquare.com	**Product**: Covid-19 face shields **Target Audience**: Police department, workers, labor, etc.	**Startup Stage:** Scaling **Price**: INR 45 **Production**: 100 per day	**Logistic**s: They need support in the supply chain movement.

- The company is providing 3-D printed Face shields and respirator valves.
- It is an extremely low-cost face shield that uses OHP sheets to provide a barrier to the face of the person from being in contact with affected people.
- OHP sheets are easily available and they do not need to be disinfected they can replace easily

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SUNFOX TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rajat Jain **Website**: https://sunfox.in	**Product**: Polycarbonate face shield helmet **Target Audience**: CMC, Aiims, health department	**Startup Stage:** Early Traction **Price**: INR 100 **Production**: 20,000 per day	**Logistic**s: They need support in the supply chain movement.

- The startup has developed a polycarbonate face shield helmet.
- It is one piece, easy to carry, easy to wear, easy to clean, lightweight, and economical protective gear.

Flat Pattern Face Shield
Made from 0.030" Polycarbonate

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SWASTI AGRO AND BIOPRODUCTS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Abhay Shendye **Website**: www.swastiagro.com **Location**: Pune	**Product**: Coating fabric to make a mask that can adsorb and kill the virus **Target Audience**: CMC, AIIMs, health department	**Startup Stage:** Early Traction **Price**: INR 300 per pack **Production**: 5,000 per day	**Logistics**: They need assistance in the transportation of raw material.

- The company has a patented derivative of chitosan that is proposed to be re-purposed for coating on masks. These masks can adsorb and kill viruses.

- The derivatives of chitosan are otherwise safe to use and have been deployed in IV injections as well as carriers in the flu vaccine.

- The proposal is to make a concentrated solution of the derivative, which is stable at room temperature. This can be diluted (75 X) and use to dip any fabric on which the material will get coated.

- These can be used as low-cost masks.

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TINKRBOT TECHNOLOGIES

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ishruthi **Website**: www.tinkrbot.com **Location**: Trichy	**Product**: Face Shields made using 3D Printing **Target Audience**: Government Hospitals, Police officers, Municipal workers	**Startup Stage:** Validation **Price**: INR 200 **Production**: Printing- 20 per day Moulding- 2,000 per day	NA
• The startup has developed face shields made using 3D printing. • The 3D Printed design is flexible, light-weighted, and simple to suit the comfort of doctors using the shield. • Thereby it provides additional protection to doctors dealing with patients.			

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UNEAKO GREEN EARTH PVT. LTD.
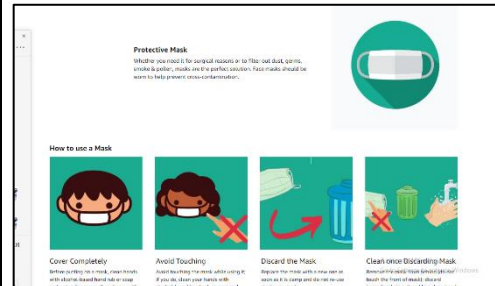
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ankit Tripathi **Website**: http://uneako.com/ **Location**: Delhi	**Product**: SN-19 Face Shield **Target Audience**: Government Hospitals, Police officers, Municipal workers	**Startup Stage:** Early Traction **Price**: INR 70 **Production**: 200 per day	**Logistics**: They facing issues procuring raw material

- SN-19 can help frontline medical responders taking care of the infected person. The ideal solution to avoid touching your face, eyes, mouth, and nose. Ultimately safeguarding you from the transmission of germs or viruses through infected patients.

  o Features of the Face Shield:

  o Lightweight and ideal to wear for a long period. The total weight is around 40gm.

  o The minimal volumetric weight which allows easy transportation of face mask in bulk.

  o Adjustable face mask. The person can adjust the face mask as per their face size and shape.

  o Crystal Clear transparent face mask for clear vision. Easy to clean and reusable.

  o SN19 is durable as well. People can use it easily.

  o They feel no difficulty to bend their head or neck while using this face mask.

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URTECHKLIKWORLD PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Praveen Urmila **Website:** https://uralstech.in/ **Location:** Delhi	**Product**: Masks	**Startup Stage:** Early Traction **Price**: INR 40 **Production**: 10,000 to 15,000 units per day	NA

- The startup produces a protective mask to filter out dust, germs, smoke & pollen. Appended below are the features of the product suitable for children and adults:
    - For various treatment environments such as emergency room, operating theatre, etc
    - Unique invasive and non-invasive ventilation modes to meet the different patients' needs
    - Inspiration halt, convenient for sucking phlegm
    - Oxygen mixing technique to adjust oxygen concentration and meet the oxygen therapy need
    - Alarm and monitoring system which meet the international safety standard
    - TFT screen, displaying various respiration parameters and waveforms
    - With a built-in battery and on-vehicle power connector for A/C and D/C power supply

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JARIWALA ROBOTICS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Vishal Jariwala **Website**: www.jgrouprobotics.com	**Product**: Face Shields **Target Audience**: Government Hospitals, Corona Testing Centres, Défense, Police, Home Guards & Security Guards working on fields	**Startup Stage**: Scaling **Price**: INR 300 **Production**: 5,000 per day	NA

- Face shields offer an extra layer of protection for health workers, with space to wear a protective N9-5 mask underneath, and unlike masks, don't need to go through quite the same rigorous testing or meet the same safety standards to be of immediate use, and can be easily cleaned for repeated wear.
- A 3D printer essentially works by extruding molten plastic through a tiny nozzle that moves around precisely under computer control. It prints one layer, waits for it to dry, and then prints the next layer on top.

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MOM MADE PRODUCTS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Karan Garg	**Product**: Home Made Face Masks Cotton **Target Audience**: Medical Stores, Administration, etc	**Startup Stage:** Scaling **Price**: INR 20 **Production**: 10,000 per day	**Funding**

- Most masks available are one-time use and hence unaffordable for masses. Mom Made Products' home-made cotton face masks are reusable, washable protective masks that can be used for masks.
- At the same time, these are manufactured by women SHGs thereby earning them a supplemental income in these tough times.

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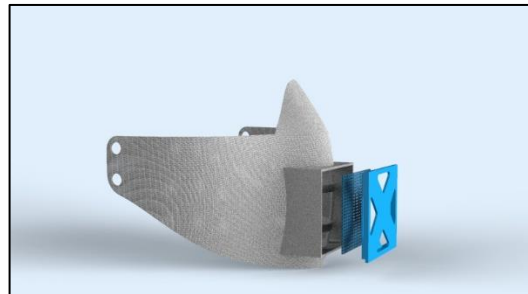Government of India

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MGH LABS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gokul Rajendran **Website**: http://bogorchid.com/ **Location**: Chennai	**Product**: Filter based air filtration **Target Audience**: Hospitals staff, Health care workers, Frontline doctors, and common public	**Startup Stage:** Validation **Price**: INR 200 **Production**: 1,000 units	NA

- The Filter based wellness mask protects a healthy person from an infected person (& vice versa) by providing an effective physical barrier from aerosol-based virus contraction.

- It provides a protective mask for health care workers, physicians, and the common public.

- It effectively filters germs including bacteria, fungus, and dust particles like pollen, etc.

- It acts as a wellness tool by providing preventive health solutions.

- It provides smart filtration and protection at an affordable price. Indigenously manufactured with highly sterile conditions

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VIEBEL CONCEPTS PLC

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mithun **Website**: http://www.viableconcepts.in **Location**: Mysuru	**Product**: Automated Integrated Hand Wash Station **Target Audience**: Hospitals and Health Care, Airports, Domestic Use, Schools and Educational Institutions, etc.	**Startup Stage:** Validation **Price**: INR 3,000 **Production**: 1,000 units	NA

- Integrated Hand wash liquid and water dispensing station. Applicable at places of hand wash and washbasins: Sensor-based Tap and Electronic Box.

- The device could be mounted on any existing washbasins or new washing stations can be manufactured. Operations are sensor-based.

- This suffices hand washing for containment of COVID-19 virus and importantly avoids the spread of the virus through touching of the tap lever or knob by multiple users.

- It's a non-contact Hand Washing Station with Water and Handwashing liquid dispersion at the same point at prescribed frequencies.

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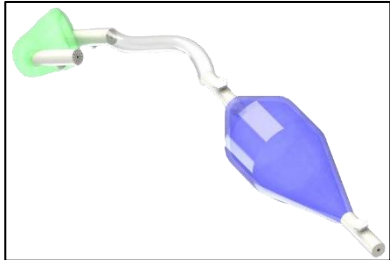Ministry of Commerce and Industry
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PILTOVERTECH

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Manan Issar **Website**: https://idahand.in/ **Location**: Jaipur	**Product**: Bi-Directional One-Way Valve, Venturi Splitter, Headbands for masks and Bolstered Face Shields **Target Audience**: Hospitals, Govt. Offices, Police	**Startup Stage:** Validation **Price**: Face Shield - 375, Valve - 350, Splitter - 350, Headband – 100 **Production**: 1,000 per day	NA

- Bi-Directional One-Way Valve – Unlike the reusable valves (used in Ambu bags - hand-held devices used hospitals run out of ventilators or during emergencies) their bi-directional one-way valves are modular.

- Venturi Splitter - Present splitters compromise with the air pressure as the air splits at the junction of the splitter.

- Headbands – Improved headbands designed for the front line make masks tolerable for longer periods. They have re-designed the headband to assume the form of a comb so that it does not slip down the back of the head.

- Bolstered Face Shield - Present designs leave the bottom end of the acrylic shield to wobble; they have re-designed the face shield to have additional support at the bottom.

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PUPILMESH PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Milind M Manoj **Website**: http://www.pupilmesh.com **Location**: Bangalore	**Product**: Low-Cost Face Shields **Target Audience**: Bangalore Medical College, MS Ramaiah Medical College	**Startup Stage:** Prototype **Price**: INR 85 per unit **Production**: 10,000 per day	**Deployment**: They need financial support.

- The startup has developed low-cost face shields.
- The face shield has got anti-scratch and anti-fogging capabilities and thus makes it easy and comfortable to use.

3D printed Face Shield
weight: Approx 17gms
Easy to fabricate and deploy.
Provides complete protection to the face

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AYU DEVICES PVT LTD
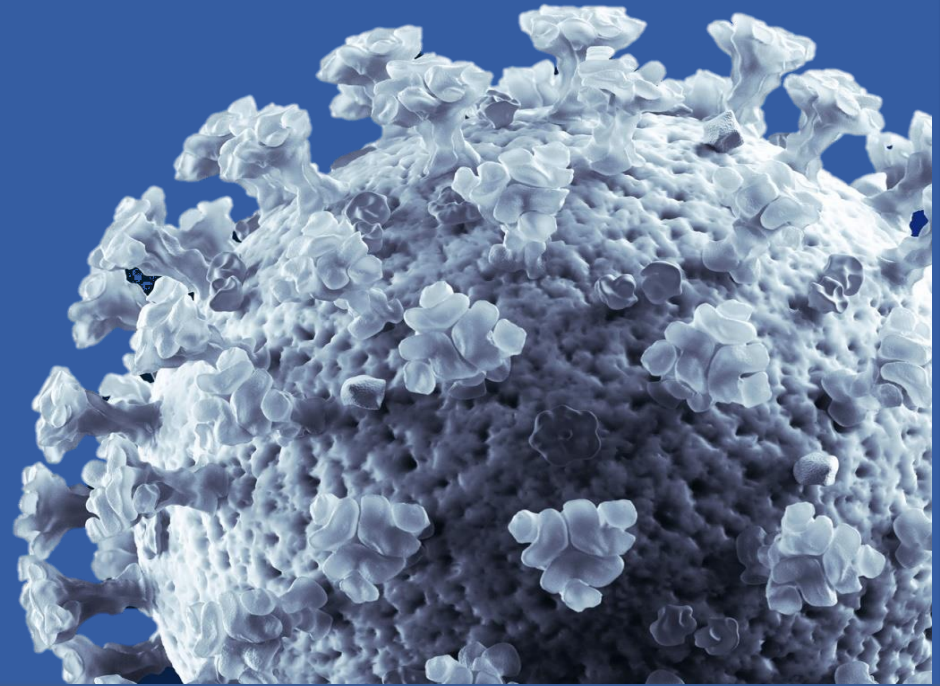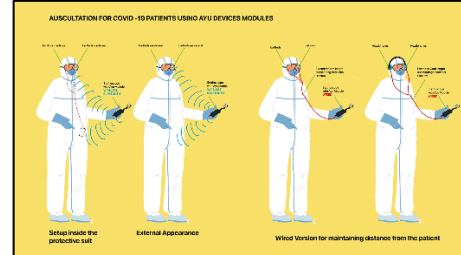
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Adarsha K **Website**: www.ayudevices.com **Location**: Maharashtra	**Product**: Digital Stethoscope for COVID-19 **Target Audience**: Hospitals	**Startup Stage:** Early Traction **Price**: INR 16,000 **Production**: 10 units per day	**Logistical Support**: Need assistance for movement in the supply chain **Funding**: It needs financial support of INR 60-80 lakhs

- AyuSynk's unique stethoscope design allows healthcare workers to perform auscultation while being protected in an isolation environment and can be used with protective covers in the ED to reduce contamination when pre-screening admissions.

- AyuSynk can be used directly using earbuds or headphones, via Bluetooth within the isolation room or to a consultant outside the room or send sounds via email or instant messaging.

- The company has sold 1,000 units sold and deployed in many hospitals.

AUSCULTATION FOR COVID-19 PATIENTS USING AYU DEVICES MODULES

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BLACKFROG TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mayur U Shetty **Website**: www.ayudevices.com **Location**: Maharashtra	**Product**: Emvolio **Target Audience**: Hospitals, Care centers, labs, etc.	**Startup Stage:** Validation **Price**: INR 26,000 **Production**: 4 units per day	NA

- Previously developed a portable precision-refrigeration system for transport of blood, serums, vaccines, etc. Now leveraging this technology for transport of Covid-19 samples

- Now, they are leveraging this technology for transport of COVID-19 samples.

- They have developed a safe and controlled platform for the transport of nasal/throat swabs from collection centers/hospitals to the certified testing centers for improving accuracy in testing and minimizing false negatives (Arising from thermal degradation of viral specimens).

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CANDIPHI HEALTHCARE PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ryan Lemos **Website**: www.candiphi.com **Location**: Bangalore	**Product**: Candiphi m-health screening and telemedicine platform **Target Audience**: Corporate companies, residential segment, etc.	**Startup Stage:** Validation **Price**: INR 3,75,000	NA

- Candiphi is a healthcare technology company and its m-health screening platform for non-communicable diseases is perfect for tackling the Covid-19 crisis.

- Screening tests are conducted with the help of a Clinic-In-A-Bag (CIAB) product integrated with the Candiphi software platform.

- They do a wide variety of tests, the tests applicable for Covid-19 are the body temperature, SpO2, cardiology, and lung function tests.

- The body temperature tests are conducted with an infra-red thermometer, SpO2 with a finger cuff device, lung function with a Bluetooth peak flow device and ECG, auscultation, and cardiac function with a handheld, wireless, Bluetooth 3-lead device.

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TURTLE SHELL TECHNOLOGIES PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mudit Dandwate **Location**: Bangalore	**Product**: Dozee **Target Audience**: Quarantine Centres/Isolation Centres, Hospital wards, etc.	**Startup Stage:** Early Traction **Price**: INR 7,500 **Production**: 1,000 units per day	**Deployment**: It needs assistance in the deployment of the product **Manufacturing assistance Funding**

- Dozee is a CE Marked contact-free health monitor with clinical-grade accuracy with remote access and MEWS based alert mechanism.

- The system continuously monitors a person's heart rate, respiration rate placed under the mattress, converting any bed into a step-down ICU without any cuffs or leads. It also connects to other Bluetooth based peripherals like SPO2 & BP Monitor to provide access to more vitals remotely.

- In the COVID-19 scenario, Dozee is playing a crucial part in continuous and proactive monitoring of asymptomatic and mildly symptomatic patients in isolation wards and quarantine.

- It is also helping in monitoring at-risk patients at home and enabling doctors to continuously monitor their health. AI-based alerts are helping medical fraternity take timely actions.

- This has already proven life-saving in 40+ cases, helping flag cases of pneumonia, tuberculosis, heart failure early.

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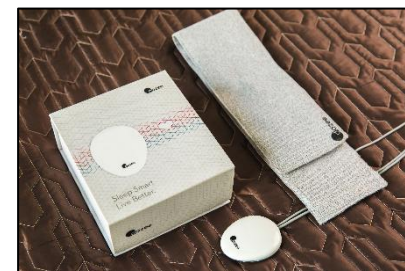Government of India

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FIVIDO TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gaurang Kuchhal **Website:** http://www.fivido.com/ **Location**: Delhi	**Product**: Infrared Thermometer **Target Audience**: Government, Railways, Airports, Private Institutions, etc.	**Startup Stage:** Early Traction **Price**: INR 2,000 **Production**: 5,000 units per day	**Logistics:** It needs assistance in procuring raw material.

- Infrared thermometers are needed to check a person's body temperature without any contact with the person in less than 1 second.
- Currently, IR thermometers are exhausted in the worldwide market due to heavy demand and limited supply.
- The startup is looking to manufacture this thermometer in a house in India.

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THERMAL ENERGY SERVICE SOLUTIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rajat Gupta **Website:** www.tessol.in/	**Product**: Phase Change Materials technology **Target Audience**: Fleet owners/logistics companies, Diagnostics labs	**Startup Stage:** Validation **Price**: INR 3,500 **Production**: 1,000 units for PCM Cartidges + 100 bags per day	NA

- The company has developed an ESSOLs diagnostics cold chain solution that is reusable and maintains the temperature in the desired range for 10+ hours with multiple openings.
- It shall help in the transportation of COVID-19 samples from the site of collection to the labs in 2-8 Degree Celsius.

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THORI INDIA (OPC) PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Omkar Walambe **Website:** www.gasmeter.org.in/enquiry/	**Product**: The Flow Frequency Detector **Target Audience**: Fleet owners / logistics companies, Diagnostics labs	**Startup Stage:** Scaling **Price**: INR 3,000 **Production**: 5,000 units per day	NA

- The proposal of the Flow Frequency Detector intends to measure flow frequency & detect the respiration capacity of individuals.

- The technology intends to measure the breathing power of the body to detect the virus body's most not immune to such as COVID-19

- The severe acute respiratory syndromes and Diagnose the healthiness Of Patient/Testee.

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URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ravi Kumar **Website:** https://uralstech.in/ **Location:** Kerala	**Product**: Non-Contact IR Thermometer **Target Audience**: Individuals, Schools, Colleges, Government	**Startup Stage:** Early Traction **Price**: INR 4,130 **Production**: 30 units	NA

- The company wants to make DIY kits where the person can assemble and learn the working of the product. For example, a Non-contact thermometer is necessary for a situation like the pandemic now.
- At the same time due to the lockdown, children do not have an opportunity to spend their time in a worthwhile manner.
- So, the startup has created a thermometer where children will assemble the thermometer using their video tutorial and get the finished working product at the same time learn about electronics.

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MEDIOTEK HEALTH SYSTEMS PRIVATE LIMITED
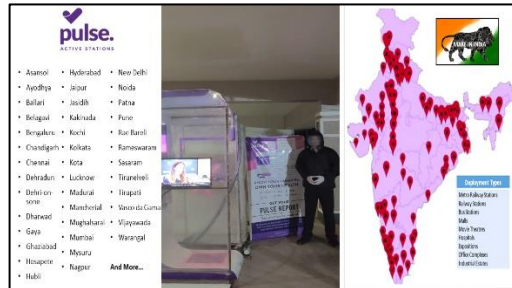
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Sharmila Devadoss **Website**: http://www.vincense.com **Location**: Chennai	**Product**: COVID-19 risk mitigation & management using clinical-grade wireless health screening/monitoring system **Target Audience**: Hospitals Corporate Office Manufacturing Plant etc.	**Startup Stage:** Validation **Price:** 15,000 to 27,000 per unit **Production**: 3,300 units per day	NA

- VinCense Digital Health Screening/Monitoring Internet of Medical Things (IoMT) Platform (patent pending) built around India's first clinical-grade wearable with detachable straps can measure pulse rate, oxygen saturation, respiratory rate, and skin temperature in just 10 seconds and is the perfect triage tool for active surveillance.

- VinCense COVID-19 Risk Detection Protocol (VinCRDP) based on Dept. of Public Health, Govt of Tamil Nadu, and WHO guidelines enable cost & amp; time-effective triage of at-risk individuals leading to targeted screening for COVID-19 in a data-driven manner. Public health officials and healthcare professionals have access to live actionable data and can make quick decisions to save lives.

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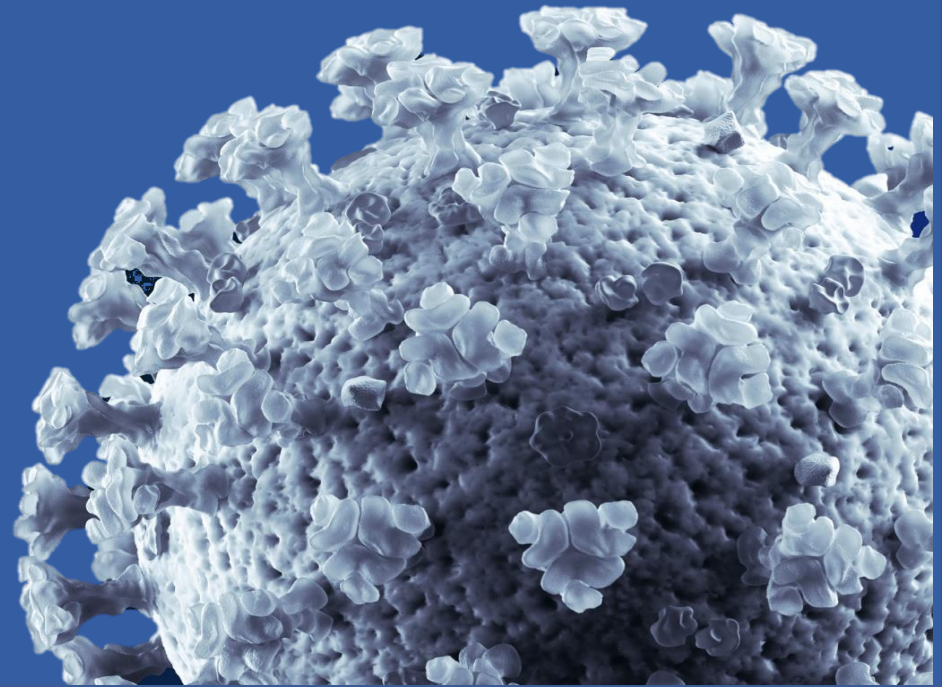Government of India

TESTING EQUIPMENT			
PULSE ACTIVE STATIONS NETWORK			
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Joginder Tanikella **Website**: http://www.getpulse.in **Location**: Hyderabad	**Product**: Largest connected network of manned smart health kiosks in high-footfall public spaces across the country. **Target Audience**: Govt. and Hospitals	**Startup Stage:** Early Traction **Production**: 5,000 tests per day	NA
• The startup is present in 150 locations across 106 cities and has conducted over 450,000 health check-ups			

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CRITICAL- CARE EQUIPMENT

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ABSSTEM TECHNOLOGIES LLP

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mohit Sharma **Website**: https://absstem.com/ **Location**: Delhi	**Product**: PSA (Pressure swing adsorption) technology-based Medical oxygen plant **Target Audience**: Hospitals and medical institutions, CPAP, NICU or any critical care unit w	**Startup Stage:** Early Traction **Price**: INR 15 lakhs to 100 lakhs **Production**: 6 oxygen generator per day	**Deployment**: They need support to connect with the government hospitals and quarantine centers

- A medical oxygen generator provides medical grade oxygen onsite using electricity only. The capacity of the machine varies from 4 to 200 oxygen cylinders (2 to 100 ventilators).

- Following are the benefits of using Medical oxygen generator in COVID-19:
    - It produces oxygen inside the hospital with electricity (reduces the dependency on external factors)
    - No manpower is required for the operation of this machine
    - It eliminates the entry of non-hospital staff inside the hospital
    - The machine is capable of producing oxygen for 1 ventilator to 100's of ventilators.
    - This machine is installed once and can be installed at any place and this can be a perfect solution.

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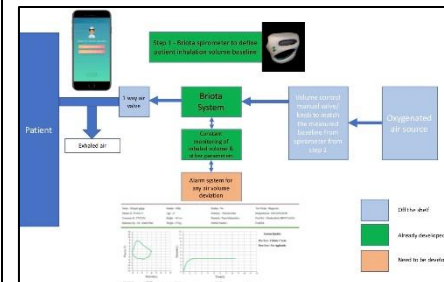### BIODESIGN INNOVATION LABS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gautham Pasupuleti **Website**: biodesigninnovationlabs.com **Location**: Delhi	**Product**: RESPIRAID - Automated Respiratory Assist Device **Target Audience**: Hospitals and medical institutions	**Startup Stage:** Early Traction **Price**: INR 80,000 **Production**: 20,000 units per day	**Deployment**: They need support to connect with the government hospitals and quarantine centers

- RespirAid uses simple mechanics, which is already tried and tested in other fields, for automating Manual ventilation.

- It is safer, reliable and consistent than manual ventilation, low-infrastructure and skill requirement than mechanical ventilation

- Multi-mode operation manual, battery/Direct current powered DC gear motors are the prime driver for the device, whose actuation is controlled by a microcontroller, based on the input from the user, entered through the device's interface.

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BRIOTA IVS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gautham Pasupuleti **Website**: www.briota.co **Location**: Pune	**Product**: Briota Portable Ventilator **Target Audience**: State Governments	**Startup Stage:** Validation **Price**: INR 15,000 **Production**: 100 units per day	NA

- Briota has developed India's first CDSCO Approved digital handheld Spirometer Kit with Mobile Software for Asthma and COPD Patients.

- With the current Covid-19 crisis - they are redesigning our Spirometer to be used in a portable Ventilator.

- Briota's CDSCO certified Spirometer and related mobile app and software can be quickly redesigned into a low-cost portable ventilator system which will help the medical professional to first measure Covid-19 patient's lung capacity and then provide required ventilation support as needed.

- They can get the working prototype ready within a week and then with the help of companies like Bajaj Electricals - manufacture 100s of ventilators per day.

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BRIOTA TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Aditi Pais **Website**: www.briota.co/index.html **Location**: Pune	**Product**: SpiroPRO - Critical care Home Monitoring kit for healthy lungs **Target Audience**: Patient with underlying lung diseases, Health Authority, etc.	**Startup Stage:** Early Traction **Price**: INR 17,000	NA

- SpiroPRO is a home monitoring kit built to monitor daily lung health conditions of high-risk patients for actively verifying fever, other respiratory symptoms, and lung capacity which can lead to an increase in susceptibility towards the COVID-19 virus.

- SpiroPRO kit consists of a handheld spirometer, connected to a user-friendly mobile app named "NEHA" for conducting daily lung exercise & spirometry test. Kit also consists of a digital thermometer & pulse oximeter for daily monitoring symptoms of COVID -19.

- Their dashboard is made for health authority consists of a heatmap for quarantined and under observation COVID -19 patients.

- It also connects with the NEHA app and can review the daily progress of these patients for further follow-up.

SUKOON SOLUTIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Amod Kumar **Website**: www.sukoonsolutions.com **Location**: Pune	**Product**: Pre-Hospital Critical Care System **Target Audience**: Forces, Government, etc.	**Startup Stage:** Early Traction **Price**: INR 17,000	NA

- Their team has developed the following devices for improving Critical Care Response:
  - Light Weight folding Stretcher
  - Rapidly deplorable weather-resistant, portable emergency rooms
  - Advance First Aid Kits for rescue, resuscitation, and transport
  - Manual Ventilation Kit with training videos for community-level volunteers
  - Ambulance Kit for converting any transport vehicle into a Working Ambulance
  - Training Videos to prepare masks, working barrier suites, and sanitation utilities
  - Dead Body Bags and Boxes: Cooling and Non-Cooling systems and videos
  - Portable, high purity Oxygen Concentration Devices that run with Solar Energy
  - Village level critical care corner/cabin with complete training package (under process)

TESLON TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Harsha Muroor **Website**: http://teslon.io	**Product**: Carenation remote care delivery platform **Target Audience**: Governments, Health ministries, large hospitals	**Startup Stage:** Scaling	**Logistics**: They need assistance in supply chain movement

- Carenation is an advanced remote healthcare delivery platform that is built with global standards.

- The company offers two products:

  o Portable ICU Monitoring System

  o Patient App - for those quarantined and with mild symptoms.

- The startup has developed a cart and backpack called Carenation which works as a screening cart and backpack which can provide effective screening options.

- The startup has also developed an app that can be used to track (location), manage, monitor (health), and educate the patient in isolation.

- The app provides easy access to advice from care co-ordinators and teleconsults to doctors.

CAPABILITIES CONTINUED

Smart Clinic | Care Cart | Backpack Clinic | Medicine Vending | Artificial Intelligence

EMR | Citizen health app | Self service Health care kiosks | OT Recording & streaming | ICU Monitoring

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INNACCEL TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Parth Sarthi Sharma **Website**: http://innaccel.com/ **Location**: Bangalore	**Product**: VapCare **Target Audience**: COVID-19 treatment center with ICU facilities	**Startup Stage:** EarlyTraction **Production**: 1,000 units per month	**Funding** **Manufacturing Support**

- VapCare is automated secretion management and oral hygiene system for ICU patients on mechanical ventilation. It provides a completely closed system for intelligent and accurate removal of saliva and secretions in a ventilated patient.

- VAPCare brings three unique benefits to healthcare systems:

  o Provide effective secretion clearance and oral hygiene management in ventilated patients with limited nursing staff and reduces VAP in these patients

  o Prevent cross-infection of nurses and healthcare workers from COVID patients thereby increasing caregiver safety

- Free up critical nursing time by automating a frequent and laborious process.

- VapCare is a proprietary product with its core technology protected by patents granted globally.

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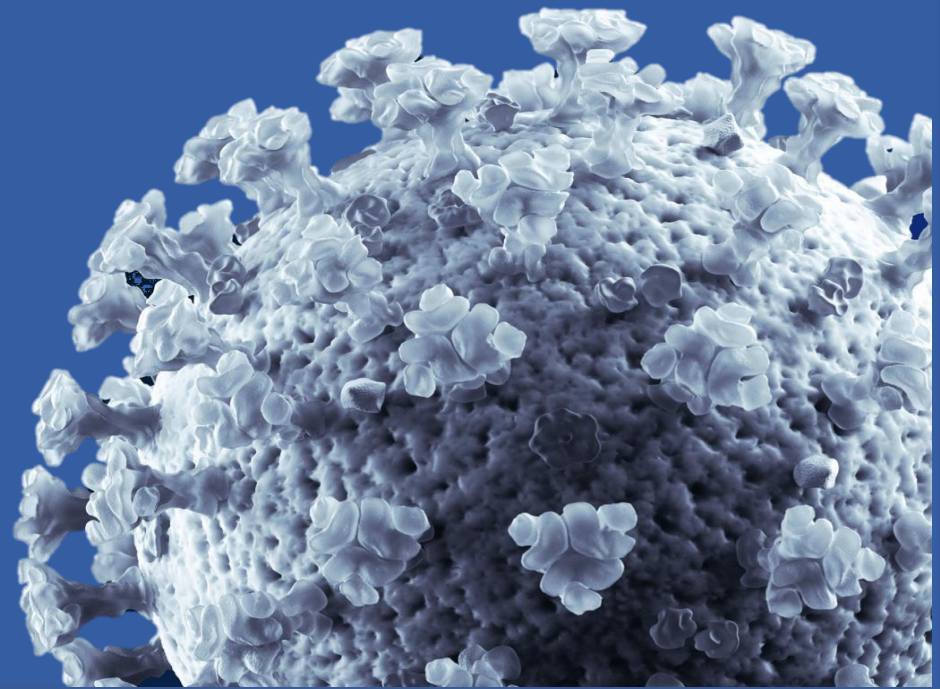Government of India

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RAYIOT SOLUTIONS PVT. LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ranjana Nair **Website**: http://www.raybaby.us **Location**: Bangalore	**Product**: Respiration Monitor (mini ICU) **Target Audience**: Government Taskforces and Quarantine Facilities	**Startup Stage:** Validation **Price**: INR 19,900 per unit **Production**: 5,000 per unit	NA

- What it does: Acts like mini ICU units that can intelligently manage quarantined spaces by tracking respiratory rate (early indicator for SARS or CoVI). Using AI, quarantined patients can be categorized on risk and admitted to ICU.

- Important Feature: Uses AI algorithm and sensor hardware to track breathing and predict health events (including fever and CoVID symptoms).

- Where to use: Quarantine facilities. Any space can be converted into a mini ICU space with this product. A central database to track who is getting worse in Quarantine and who is getting better in quarantine. Also enforces quarantine which is the need of the hour.

- Why it's important: Non-contact, non-invasive, reusable, affordable mini ICU units with minimal clinic setting. Also reduces inflow into hospitals and reduces the burden on healthcare professionals.

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ADDVERB TECHNOLOGIES PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Pavani Katuboyina **Website**: https://addverb.com/ **Location**: Uttar Pradesh	**Product**: UV Disinfectant Robot **Target Audience**: Hospitals, Quarantine Centers, Railway stations, Metro stations, Malls, and Schools	**Startup Stage:** Early Traction **Price**: INR 15 Lakhs **Production**: 4-5 robot per day	**Logistical Support**: Permission to open factories and custom clearance

- The Startup has developed a disinfectant Robot. The product is a combination of UV light technology on a mobile robot with intensity meter to disinfect large areas so that humans are not near the light or virus.

- The residence time can be controlled based on the nature of the surface, it can be much more effective in disinfecting the large area.

- The startup has used the best battery technology which enables the cleaning/ disinfection of several rooms before it needs to be recharged.

- Moreover, they have used fast charge technology so that robots can be in the business of cleaning again after 30 minutes of break. The Robot has been deployed in a quarantine facility in Noida.

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WEINNOVATE BIOSOLUTIONS PVT. LTD.

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Milind Choudhari **Website**: www.weinnovatebiosolutions.com **Location**: Pune	**Product**: NanoAgCide **Target Audience**: Hospitals and Homes	**Startup Stage:** Validation **Price**: INR 100 for 100 ml **Production**: 500 Litres per day	**License**: They need assistance in getting CDSCO's Manufacturing License

- The startup has come up with a non-alcoholic, aqueous-based Colloidal Silver solution for disinfecting hands and environmental surfaces.

- Colloidal silver is a potent antiviral and has shown its efficacy against coronavirus.

- In the current scenario where the virus spreads through surfaces (fomites), their solution, free from hazardous chemicals and having no risk of flammability compared to alcohol-based disinfectants, is need of the hour.

- They are ready for manufacturing.

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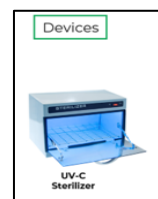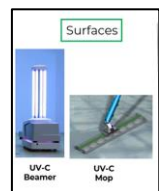
MAYURA ANALYTICAL LLP

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Mayura **Website**: www.mayuraanalytical.com/ **Location**: Bangalore	**Product**: Ozone sanitization - works on surfaces, water, and air **Target Audience**: Offices, homes, hospitals and public spaces	**Startup Stage:** Scaling **Price**: INR 20,000 **Production**: 20 units per day	NA

- Ozone is known to kill 99.7% of all microbes including viruses.

- Ozone gas has been proven to kill the SARS coronavirus and since the structure of the new 2019-nCoV coronavirus is almost identical to that of the SARS coronavirus, it is relatively safe to say that it will also work on the new coronavirus.

- This could be a cost-effective large scale sanitizing process for industries, homes, public spaces with multiple applications for surfaces, indoor-air, and even water.

- This is also a Green technology as it doesn't need anything except electricity to run with no residue generated in the process.

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LEAF BOX TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Kiran Raj **Website**: http://airleafbox.com/ **Location**: Bangalore	**Product**: Ozone sanitization - works on surfaces, water, and air **Target Audience**: Government offices, Police stations, Airports, and Railway stations	**Startup Stage:** Early Traction **Price**: INR 15,000 to 2,00,000 **Production**: 50 units per day	**Testing**: They need support from testing labs to test the product **Logistics**: Needs support in shipping components from other cities of the country

- The startup proposes to utilize UVC specifically in mops and UVC beamers (remote-controlled devices) for surface disinfection, in devices to disinfect portable equipment like mobile phones, laptops, gloves, etc., and in air purifiers for air disinfection. Such products are easy to use, extremely effective in addressing the current pandemic, and most importantly, use the far lesser time to implement/disinfect.

- The startup has developed three products; UV-C Sterilizer box, UV-C Mop, and UV-C purifier.

- This solution is already being effectively implemented at the epicenter in China. It has shown to contribute towards flattening the curve of infections.
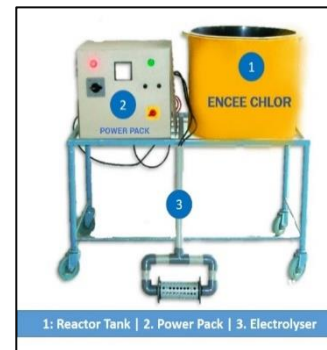
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CHERRIES ENGINEERING AND INNOVATION INDIA

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rakesh Kasba **Website**: www.mayuraanalytical.com/ **Location**: Bangalore	**Product**: Jalodbust **Target Audience**: Municipalities, Urban Local Bodies, Panchayats, Building, and Real estate management, etc	**Startup Stage:** Validation **Price**: INR 90,000 **Production**: 10 units per day	**Funding**: It needs assistance in funding for INR 50 lakhs for semi-industrial design.

- Coronavirus is suspected to survive in faecal waste for a long time. Especially creating problems because it gets mixed up and the sanitation workers come in contact with faecal waste especially in the incidents of Manual Scavenging.

- Jalodbust is an indigenous invented system for dislodging, liquefying and removing faecal sludge from Leach pits, Septic tanks and manholes replacing human handling.

- A system for replacing Manual Scavenging which holds a big threat from the suspected infection in the Faecal waste.

- The field validation for the product is complete.

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RITE WATER SOLUTIONS (I) PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Abhijeet Gaan **Website**: www.ritewater.in/ **Location**: Maharashtra	**Product**: Encee Chlor - Disinfectant Generator **Target Audience**: Hospitals and Municipal Local	**Startup Stage:** Scaling **Price**: INR 75,000 to 2,40,000 **Production**: 10 units per day **Status:** Ready for Deployment	**Logistics**: Factory closed due to lockdown and need support in transportation

- Encee Chlor is an onsite disinfectant generator which generates hypochlorite solution from common salt by the process of electrolysis.

- The only raw material needed is common edible salt and water and it produces a 0.7-0.8% hypochlorite solution which is a very strong sanitizer.

- WHO and UNICEF recommend 0.5% hypochlorite solution for cleaning of surfaces, hospital equipment, linen, etc and 0.05% for hand wash and general disinfection for protection against coronavirus.

- With this generator, anybody can produce disinfectant locally and ensure complete sanitation against COVID-19.

1: Reactor Tank | 2. Power Pack | 3. Electrolyser

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KADOURI INSTRUCTIONAL SYSTEMS LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ariel **Website**: www.hygrooms.com/Store **Location**: Tel Aviv, Israel	**Product**: Prefabricated modular rooms based on HYG Technology **Target Audience**: Hospitals, Isolation Units, Primary Health Care centres, Nursing homes, Offices	**Startup Stage:** Scaling **Price**: INR 38,000 **Production**: 700 units per day	NA

- Upon touching of surfaces by COVID infected patients, the SARS-CoV-2 virus stays on surfaces for days/hours. It is, therefore, necessary to have anti-microbial surfaces that can help in killing the virus before it latches on to a healthy host.

- India needs to ramp up separate quarantine facilities based on the level of symptoms and therefore it is necessary to segregate people showing mild symptoms from those displaying major symptoms.

- The HYG rooms are prefabricated isolation rooms, measuring 3mx3mx2.4m, and can be deployed at a rapid pace. These are effective not only against the SARS-CoV-2 virus but also other Coronavirus also.

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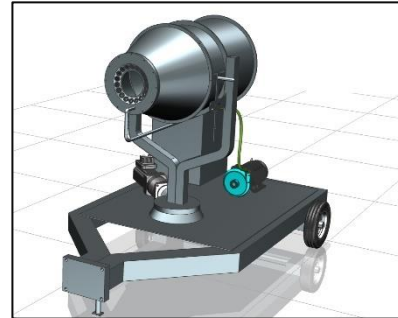## LARGE AREA SANITIZATION AND STERILIZATION

ACE BIO HEALTHCARE

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ashok Kumar P **Website**: www.acerenewtech.com **Location**: Tamil Nadu	**Product**: Patholyte (Stable and Novel form of HOCL) **Target Audience**: Government Institutions, Hospitals, Large area disinfection, hand sanitization, and food sanitization.	**Startup Stage:** Validation **Price**: INR 150 per litres **Production**: 5,000 units per day **Status**: Ready for Deployment	NA

- Patholyte is a non-chemical activated solution and is an Oxidant solution with chemical structure HOCl (Hypochlorous) acid) which is a free chlorine molecule.
- Patholyte is the dominant free chlorine species in chlorine solutions that have a slightly acidic to neutral pH (pH 5 to 6.5).
- Patholyte is a much more powerful oxidant than sodium hypochlorite (or chlorine bleach) and hence it is a viable alternative to harmful chemicals that are being currently used as a disinfectant for sanitization.

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BNG SPRAY SOLUTIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Arindam Ghatak **Website**: http://bngspraysolutions.com **Location**: Karnataka	**Product**: Fog Cannon with Swirl Airblast **Target Audience**: Municipal corporations in charge of large-scale sanitization	**Startup Stage:** Validation **Price**: INR 6 lakhs per unit **Production**: 1 unit per day	**Funding**: They need assistance in the funding of INR 70 lakhs. **Deployment**: They need assistance in deployment

- The company proposes to use its energy-efficient mist cannon for disinfecting public places using liquid disinfectant solutions.

- The mist cannons are designed for spraying high volumes of disinfectant solution (2-8 m3/hour) over large areas with a throw range of 30-100m (the current prototype has a throw of 30m).

- The mist cannon is mounted on a trolley that can be towed around in a tanker and infected public areas such as malls, bus stands, airports, railway stations, etc. can be sprayed with the disinfectant in the form of fine mist.

- The mist cannon also uses patent-pending dual swirl dual shear atomization technology that helps break down the droplets into 4 times small diameters compared to existing solutions. This helps in the more uniform application of the disinfectant.

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NEO INVENTRONIX

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: G S Sirisha **Location**: Hyderabad	**Product**: Germiban **Target Audience**: Hospitals, Quarantine Centres, Railways, Hotel, Airlines, Metro, Food Processing industries, etc.	**Startup Stage:** Validation **Price**: INR 60,000 **Production**: 50 units per day	**Logistics**: They need assistance in procuring raw material.

- GermiBan uses established & proven technology for hospital disinfection & sterilization of non-living devices with a triad of UV-C Lights, Ionizer and Ozoniser.

- Another added advantage is the provision of PM 10 & 2.5 free air through the HEPA filters attached. The Power Consumption is about 500 watts; and in operation, for an hour it consumes 1 unit of power but an average of 10 – 15 mins of operation of the device is recommended.

- Room area Coverage is about 25ft*30ft = 800sqft. The machine is 5ft* 2ft and weighs about 50 kgs. In the current scenario, mass disinfection tools that are chemical-free and easy to use are required.

- The device is chemical-free and partly automated, the devices help achieve almost 99.99% disinfection in hospitals and other mass utilized areas. The technology is being developed at the AIC-ALEAP WE-Hub (Supported by AIM, NITI Aayog, GoI).

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JIVANAM INNOVATIVES PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Shravan Mutha **Website**: jivanam.net/ **Location**: Pune	**Product**: Sodium Hypochlorite disinfectant water generator **Target Audience**: Hospitals, Homes and Office spaces	**Startup Stage:** Early Traction **Price**: INR 3,000 **Production**: 1,000 units per day	**Logistics**: They need assistance in importing raw material

- Due to the current COVID situation across the country, there is a high demand for personal care products. Due to a shortage of its supply with no availability, there are current market rates are also higher.

- With this product, everyone can generate many disinfector liquids at their homes, offices as well as hospitals. Ingredients required for making these are also rapidly available.

- Currently, with this kind of product, it can generate Sodium Hypochlorite which can be sprayed to any place at larger surfaces and various spaces.

- This product will just generate a disinfector kind of liquid with a period of 10-20 min. As the product is made using MMO anode it can last for 3-5 years.

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MARUT DRONETECH PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Prem Kumar Vislawath **Website**: marutdrones.com **Location**: Hyderabad	**Product**: Marut Disinfection Spraying **Target Audience**: State Governments	**Startup Stage:** Scaling **Price**: INR 8 Lakhs **Production**: 6 units per day	**Logistics**: They need assistance in procuring raw material and custom clearance. **Funding**: They need funding support of 1.5 crores.

- Marut Drones has designed and deployed customized drones to undertake anti-mosquito operations. It has been working with Greater Hyderabad Municipal Corporation (GHMC) for anti-larval spraying in lakes around Hyderabad for cleaner lakes and positive health outcomes.

- Further, these drones can be effectively used for spraying disinfectants in public spaces like airports, SEZS, warehouses, parks, railway stations, etc to disinfect them and stop the spread of the virus.

- These drones can carry up to 10 litres of disinfectant. Operated manually, they can cover about 20 kilometres and spray 200 litres a day.

- The startup has been deployed in the districts of Sangareddy, Kamareddy, Warangal, Karimnagar, Naraynpet, and several border districts of the state of Telangana.

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UDYAMAT MA VIRAMASVA PVT. LTD.

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Abhijeet Kumar **Website**: www.mekvahan.com **Location**: Delhi	**Product**: Mevahan Mobile Application **Target Audience**: Patients carrying vehicles, public transportation system	**Startup Stage:** Early Traction **Price**: starting price INR 199 **Production**: 10 vehicles per km	**Funding:** It needs support in funding of around 25 lakhs.

- Mekvahan introduces the car-care plan for the people living in the corona affected areas or cities. Through Mekvahan's car-care plan, the user gets its car sanitized from the inside and outside with deep cleaning.

- Mekvahan offers this solution at the doorstep of the customer at a very reliable rate. Cleaning removes organic matter, salts, and visible soils, all of which interfere with microbial inactivation.

- The car is the object that interacts with the outside environment and the diseases present in it. So, it is mandatory to make it safe and secure. Mekvahan provides the car-care card to the cab drivers so that they can showcase their car cleanliness to their passengers.

- Car sanitizing kit for the customer: A small kit comprising a hand sanitizer, wet wipes, and a mask in the glovebox.

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OMG INNOVTIONS LLP

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Amul S Bahl **Website**: www.godsownstore.com **Location**: Delhi	**Product**: Whiff Bio Spray **Target Audience**: Corporate & Government offices, malls, hotels, residential complexes, schools, etc.	**Startup Stage:** Early Traction **Price**: INR 3,900 **Production**: 5,000 units per day	NA

- WHIFF Bio Spray a unique patented technology that has potent anti-microbial and anti-viral properties. This property could be used to eliminate and neutralize disease-causing bio-agents in the air quickly, safely, and effectively.

- Whiff Bio Spray can prevent this spread through the air- both outdoor as well as indoor. It uses the QLEN model (Quick- Localization- Elimination and Neutralization model) to combat bio-agents

- Outdoors: Sprayed out-doors through low flying drones to neutralize the spread of the pathogens. This is done in small circumference concentric circles to cover all areas under consideration and create an overlap, so no area is left out.

- Indoors: The same spray in small bottles can be provided to the different households to clean up any infection and break the chakra of infection. This will impact small social units like colonies and families.

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PRAANAPOORNA COLLECTIVE LLP

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Smitha **Website**: www.Praanapoorna.com **Location**: Karnataka	**Product**: Natural enzyme-based disinfectant cleaner **Target Audience**: Hotels, Hospitals, IOCL	**Startup Stage:** Scaling **Price**: INR 150 per litres **Production**: 1,000 litres per day	**Logistics**: It needs assistance for procuring of raw material.

- Too many chemicals used to sterilize and killing both good and bad microbe as an alternative natural enzyme for disinfecting that is less toxic.

- The company have developed a natural disinfectant effective against bacteria and fungi

- The company has proven lab test with a swab test against ecoli-bacteria

- The company can start local production of disinfectants with citrus peels available from juice shops to replace toxic and expensive chemical disinfectants.

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SWISS NEWATER INDIA PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: K V Ravi Prakash **Website**: www.swissnewaterindia.com **Location**: Maharashtra	**Product**: HydroCleaner™ **Target Audience**: Central and State government, Municipal Corporation, Defence Forces, etc.	**Startup Stage:** Early Traction **Price**: Flash Machine INR 7,56,000 Bulk Machine: INR 8,54,000 **Production**: 1 Machine per day	NA

- Machines have been pre-programmed to deliver four basic products, which can be enhanced as per the customer's requirement and the same can be used for a range of purposes for surface cleaning & disinfecting locations as under:
  - Light disinfection/spray used for room floor surfaces.
  - Glass, walls and tabletop cleaning & slightly degreasing / spray
  - Disinfection & degreasing / spray used on Slabs of Pantries & Kitchens
  - Heavier disinfection / spray used for washrooms/ toilets, etc.
- Rigorous chemical and microbiological testing of all the four products has been done from an authorized laboratory in India. All four products are tested against several bacteria and fungus such as E. coli, Candida albicans, etc. All the products are 99.99% effective against bacteria and fungus.

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LARGE AREA SANITIZATION AND STERILIZATION

THE RIDGE ENVIRONMENT CONSULTANTS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gaurav Prakash Paja **Website**: www.theridgesolutions.com **Location**: Himachal Pradesh	**Product**: Aireltech Ridge Ozone Automatic Disinfection & Sterilization Machine **Target Audience**: Hospitals, Transport Dept., Educational Institutions, etc.	**Startup Stage:** Early Traction **Price**: INR 30,000 + GST + Freight **Production**: 5 units per day	NA

- Aireltch Ridge Ozone technology uses ozone gas for sterilization and disinfection. Ozone which is a very strong oxidizing agent is an extremely fast-acting disinfectant/sterilizer.

- Ozone being a strong oxidizing and sterilizing agent to kill pathogens in a very effective way can be useful for indoor disinfection/sterilization in below applications:

  o Sterilization hospital operation theatres, wards, etc.

  o Sterilization of cars, buses, and train coaches.

  o Sterilization of medical equipment, cold storages, food packaging places, etc

  o Sterilization of indoor officers, houses, community, and public places, etc.

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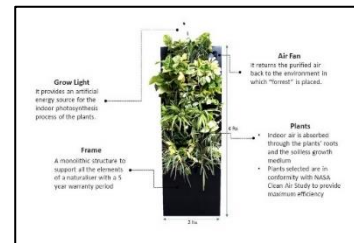Ministry of Commerce and Industry
Government of India

LARGE AREA SANITIZATION AND STERILIZATION

MYLO SOLUTION PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Arjun Kumar **Website**: www.atterolabs.com **Location**: Maharashtra	**Product**: UV Disinfection **Target Audience**: Hospitals, Isolation Units, Primary Health Care centres, Nursing homes, Offices	**Startup Stage:** Validation **Price**: INR 60,000 **Production**: 30 units per day	Logistics: It needs permission for movement in the supply chain. Funding: It needs funding of 35 - 45 lakhs

- The company has developed a solution that emits a powerful dose of 256.7 nm UVC light to rapidly inactivate pathogens on any surface.

- Current manual cleaning only reduces microbial contamination by 36%.

- The solution provides a 99% Disinfection in under 8 Minutes.

- Additionally - they have created a solution that is comparable to solutions abroad at less than 1/3rd the cost.

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LARGE AREA SANITIZATION AND STERILIZATION

OXYGARDEN INDIA

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Vansh Gupta **Website**: oxygarden.com **Location**: Haryana	**Product**: Forest **Target Audience**: Hospitals, Isolation Units, Primary Health Care centres, Nursing homes, Offices	**Startup Stage:** Early Traction **Price**: INR 55,000 **Production**: 25 units per day	**Funding:** It needs funding of INR 95 lakhs. **Deployment**: It needs support in the deployment of the product.

- The team of OxyGarden has developed FOREST- India's first Air Sanitizer which purifies and humidifies indoor air naturally. The patent-pending innovation does not only solve the problem of ever-increasing levels of indoor air pollution but also increase human longevity by purifying indoor air and pumping in fresh oxygen with natural humidification.

- They have developed a technology that induces controlled photosynthesis in plants with the help of automated airflows and artificial light sources.

- It controls the transpiration in plants that are grown in an aerated medium consisting of activated charcoal, which makes it lighter than soil. The polluted indoor air is absorbed through the plant roots, after which it passes through a carbon filter.
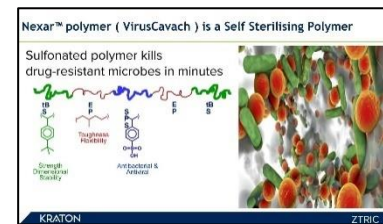
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LARGE AREA SANITIZATION AND STERILIZATION

VIROBLITZ SOLUTIONS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Dr. Syriac Joseph **Website**: viroblitz.com **Location**: Kerala	**Product**: Viroblitz Air Steriliser **Target Audience**: Hospitals and quarantine facility	**Startup Stage:** Early Traction **Price**: INR 1.5 lakhs for 400 sq. ft. **Production**: 500 units per day	**Logistics**: It needs assistance in the movement of supply chain

- "Viroblitz" is an Air Steriliser/Deodoriser where the company used Low Energy Cascade Oxidation (LECO) process to sterilize the air. This doesn't need chemicals or HEPA filters or UV for sterilizing the air.

- This technology oxidizes any organic molecule, it can not only sterilize but also deodorize the air. It removes the bad odour-causing of Volatile Organic Compounds (VOC). Therefore, "the dream of a germ-free and odour-free hospital/home environment can be made a reality by using this technology".

- LECO technology breaks the Carbon Hydrogen bond of all the microorganisms, the destructive power is irrespective of the type of microorganisms or viruses, therefore our technology should also remove the Coronavirus from the air which in turn reduces the infection rate substantially.
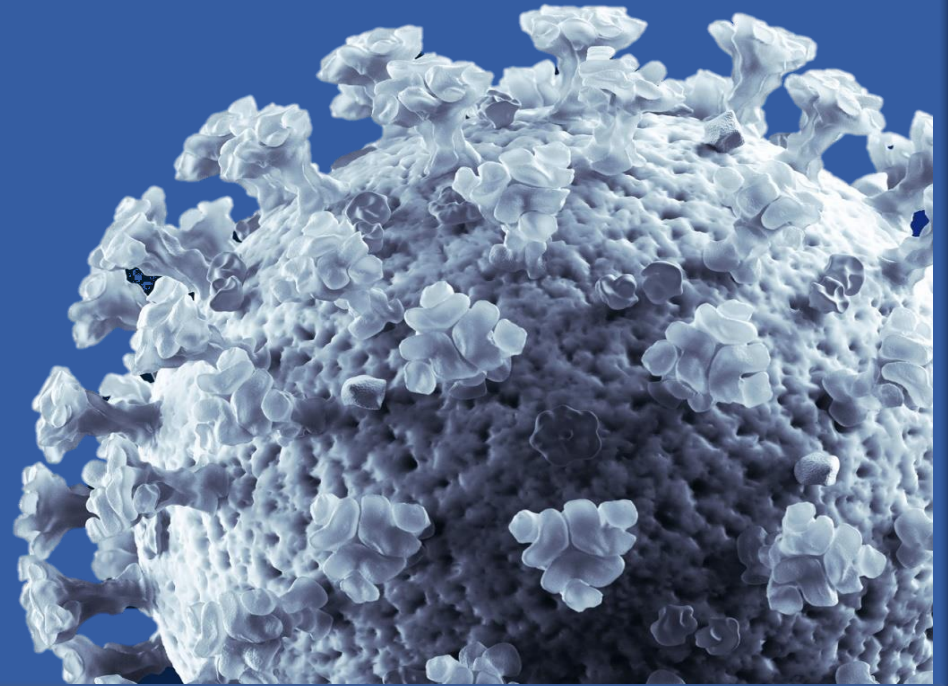
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LARGE AREA SANITIZATION AND STERILIZATION

ZTRIC INDIA PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Jayant Mhetar **Website**: www.ztric.com **Location**: Maharashtra	**Product**: Nexar is a Self-Sterilising Multi-Block Polymer **Target Audience**: Hospitals, Public and private transports, Offices	**Startup Stage:** Validation **Production**: 100 Kg per day	NA

- Nexar polymer is a Self-Sterilising Multi-Block Polymer so once it is applied on the surface it has the potential to kill viruses for many days and help prevent community spread of the virus.

- It can protect healthcare providers Doctors, Nurses from getting infected via surface contact contamination. VirusCavach (Nexar) is a solution that can provide Anti-Viral coating to surfaces that commonly spread any virus e.g. Hospital Equipment to Public Transport.

- Nexar polymer is a Self-Sterilising Multi-Block Polymer so once it is applied on the surface it has the potential to kill viruses for many days and help prevent community spread of the virus.

- Nexar polymer is already registered and has been sold commercially in other applications in the United States, Europe, and other countries. If proven effective and approved, it can be made commercially available in India.

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AI-BASED TECHNOLOGY FOR CONTACTLESS ENTRY

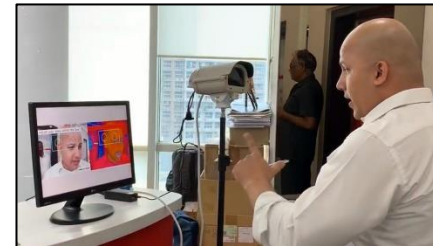### CYRAN AI SOLUTIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Manan Suri **Website**: http://cyran.in **Location**: Delhi	**Product**: CYRAN AI Identifier tool **Target Audience**: Hospitals, Quarantine Centres, Office, Labs or any other space	**Startup Stage:** Early Traction	NA

- They have developed a unique state-of-the-art AI-based personnel identification vision technology that can recognize individuals wearing normal attire or full protective equipment (PPE).

- While wearing protective equipment the face of individuals is partially or fully covered and normal face recognition technology fails to work under such circumstances.

- Their technology is capable of recognizing individuals even under full-face cover PPE. Their technology is already successfully deployed in South Korea. The technology can be used for contactless authentication, tracking, attendance, door-control, logging, or any other user-desired task.

- The company's solution is secure and 100% on the edge-deployment that ensures user privacy and data security.

- Their solution is also capable of data fusion with live thermal sensor data.

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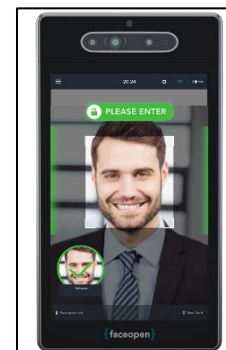
DIYCAM INDIA PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Gagan Randhawa **Website**: www.diycam.com **Location**: Mumbai	**Product**: Computer Vision-based Abnormal Temperature Detection and Alert Management System **Target Audience**: Hospitals, Manufacturing units, Offices, School, Malls, and Airports	**Startup Stage:** Scaling **Price**: INR 2,00,000 **Production**: 100	**Logistics**: It needs support to get permission to manufacture and assemble the product.

- AI-based Abnormal Temperature Detection and Alert Management System developed in India.

- This system uses AI and IoT combinations to detect a person with a fever.

- On detecting a person with abnormal body temperature this system generates alert and update authorities along with the personal photograph.

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AI-BASED TECHNOLOGY FOR CONTACTLESS ENTRY

TECHOLUTION INDIA PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Karthikeyan Prakash **Website**: http://faceopen.com/ **Location**: Telangana	**Product**: AI-based Contactless/Touch Free Access control Product **Target Audience**: Hospitals, Educational Institutions, PVT Labs, and Govt. Institutions	**Startup Stage:** Scaling **Price**: INR 70,000 **Production**: 4 units per day	**Logistics**: It needs support in supply chain management

- Face open provides touch-free access control.
- The world is struggling with poorly designed doors with Unhygienic, Inconvenient, Unreliable & Insecure access control.
- Right now, during these pandemic circumstances, fingerprint/touch-based biometrics are disabled around the world as it is the major reason for the virus spread.

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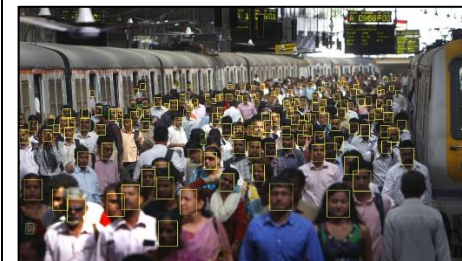
TOUCHLESS ID PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Antony Vendhan **Website**: https://identy.io **Location**: Bangalore	**Product**: Touchless ID **Target Audience**: Hospitals, Educational Institutions, PVT Labs, and Govt. Institutions	**Startup Stage:** Early Traction **Price**: INR 2 per transaction **Production**: 1,00,00,000 per day	NA

- Touchless ID offers multi-factor authentication from any mobile device with a camera
- The technology is based on touchless biometrics.
- The product identifies users through a picture of a user's fingers or face.
- The technology is deployed in Mexico, Columbia, Brazil, etc.
- The Startup is seeing a growth in transactions at 5 Mn transactions per month and growing 50% quarterly.

AI-BASED TECHNOLOGY FOR CONTACTLESS ENTRY

INKERS TECHNOLOGY PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rohan Shravan **Website**: https://inkers.ai/ **Location**: Bangalore	**Product**: InkVision **Target Audience**: Government of India, Large MNCs, Hospitals	**Startup Stage:** Validation **Price**: INR 3,000 per camera per month	NA

- InkVision can track millions of people through their faces. The system can also identify emotional or distress state.
- InkVision can implement contactless entry for doctors, patients, and other alike. It can also calculate the "interaction" metric between a given set of people and keep a track of who met whom or came in the contact of whom all.

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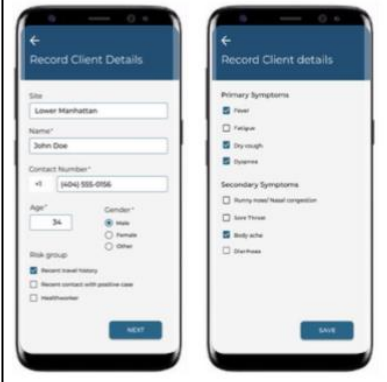
MOBIIKEY TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ravichandra Reddy **Website**: https://www.mobiikey.com/ **Location**: Bangalore	**Product**: Contactless and Touchless Access On Mobile **Target Audience**: RWAs, OEMs of lifts, access control systems, system integrators, direct customers	**Startup Stage:** Early Traction **Price**: INR 2,000-5,000 per piece	NA

- Mobiikey's keyless and touchless access on a mobile platform with its smart Bluetooth controllers will be providing access to users directly on their smartphones. Any app can be used to provide access with easy to integrate SDKs and APIs
- Mobiikey keyless and touchless access platform can save millions of lives globally by quickly adapting the change of technologies for contactless access to common access and touchpoints. The major area of impact is lifts where buttons outside and inside are touched by millions of people.

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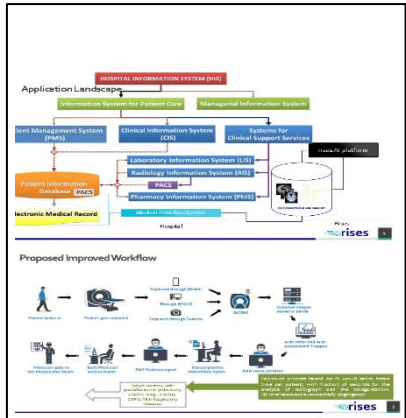Government of India

AI-BASED TECHNOLOGY FOR CONTACTLESS ENTRY

QURE.AI TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Vigneshwar G **Website**: http://qure.ai/ **Location**: Mumbai	**Product**: qScout & qXR v2.1 COVID **Target Audience**: BMC, Mumbai, Govt. of Kerala, San Rafalle hospital in Italy	**Startup Stage:** Scaling **Price**: $3500-$150,000 **Production**: Up to 1 Million X-rays per day	NA

- The startup has developed an automated Chest X-ray Interpretation to detect COVID-19.
- qScout - An AI-powered Virtual Care Platform that helps track, manage, and prioritize the testing for COVID-19, facilitating better patient management and improved diagnosis without overburdening existing healthcare infrastructure.

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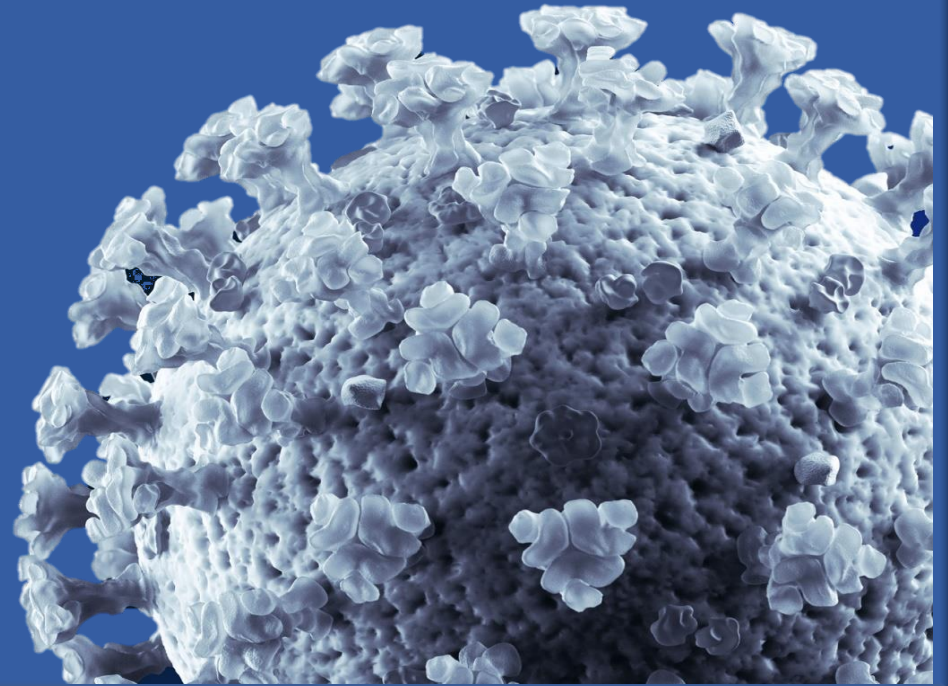Ministry of Commerce and Industry
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AI-BASED TECHNOLOGY FOR CONTACTLESS ENTRY

RISES ANALYTICS SOLUTIONS PVT LTD.

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ajit Avinash Deshpande **Website**: http://rises.io/ **Location**: Pune	**Product**: Rises Chronic & Critical Care: TRAP (Treatment Response Assessment & Predictions) AI solution **Target Audience**: Hospital	**Startup Stage:** Early Traction **Price**: INR 581 per unit **Production**: 334 units per day	NA

- The "Treatment Response Assessment & Predictions" (TRAP) powered by rises.AI platform, acts as an assistant for medical professionals. It brings in intermediate expertise for timely indicative diagnosis and precision efficiency at a scale to reduce pressure on the system. It facilitates instantaneous indicative diagnosis, in chronic and critical care.

- The specialized algorithms, analyses radiology imaging data like X Rays, CT Scans & MRIs, and build correlations with patient data including various pathology tests. In the case of large volumes, Rises categorizes the studies into normal & abnormal and provides classification per abnormality.

- The technology is extended and calibrated to specific viral pneumonia in general and COVID-19 in specific. It tracks patients' progress during subsequent visits to generate automated assessment patient response and disease progression. The differential analysis provided by Rises TRAP provides a crucial impetus for predictive prognosis management and personalized treatment.

MOVEMENT TRACKING

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AMOUR LAB PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Salonee Patro **Website**: amourlab.github.io/ **Location**: Odisha	**Product**: Artificial intelligence and web development **Target Audience**: Health care lab, hospitals, B2B, and B2C	**Startup Stage:** Validation **Price**: INR 250 for 6 months	NA

- The startup is trying to develop a web application which will help people and suggest them to consult a doctor as per the symptoms it shows, keeping WHO's guidelines in mind this application has been developed to help the public as well as doctors from rushing into check-up without symptoms and giving a fair chance to the actual patients.

- As to have control over this pandemic situation a web application has been developed driven by AI platforms for helping doctors, common people as a whole.

- A set of questions will be asked one leading to the next and in the end, it will show what are the chances of you having COVID-19. If there are chances of this virus within you then it will show you suggestions of doctors near you for check-up otherwise you are good to go.

- By this, there will be comparatively less rush in the hospitals for a check-up by allowing the affected patients to be treated sooner.

HEAMAC HEALTHCARE PVT. LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Prasad Muddam **Website**: www.heamac.com **Location**: Hyderabad	**Product**: CoWatch **Target Audience**: All masses	**Startup Stage:** Early Traction **Price**: INR 1,000	**Funding**: 90 lakhs

- The startups have developed a tracking wristband called CoWatch

- The key features of the device are Prevention, monitoring, tracking, and alerting. It detects the suspects with the symptoms of COVID-19 by monitoring their vital parameters.

- It also helps the doctors and healthcare workers to monitor the health conditions of the quarantined patients and also of the self quarantined people to take immediate action. The mobile application also enables the user to track and monitor the vitals of multiple persons enabling them to track the condition of their kids and family.

- It acts as a first stage of screening for the doctors and makes sure that the healthcare workers working for the safety of other people are safe. It also makes sure that there is no emergency or loss of life due to the lack of monitoring. It alerts the user with the nearby hotspots areas and corona patients. It motivates people to follow social distancing by giving individual reward points for maintaining social distancing and also alerts them if they are close to any others.

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MOVEMENT TRACKING

HW DESIGN LABS OPC PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Jayakrishnan A L **Website**: www.hwdesignlabs.com **Location**: Kerala	**Product**: accuTRAK **Target Audience**: Hospitals and Enterprises	**Startup Stage:** Validation **Price**: INR 1,50,000 **Production**: 500 to 1,000 units per day	NA

- The proposed solution against the problem statement 'Movement Tracking' is the most advanced technology currently used in developed countries. Compared to existing technologies using Bluetooth, GPS, WiFi, etc, the proposed solution is more effective and designed to track in mind. These are futuristic and to be highly valued from import substitution points of view.

- Ministry of Health strongly recommends for Social Distancing of at least 1 meter or more, hence the solution to track the movement needs to be with an accuracy of minimum 1 m or better.

- The proposed solution is an accurate indoor positioning system with centimeter-level accuracy. This is highly recommended considering the minimum social distancing need to be at least 1m from person to person.

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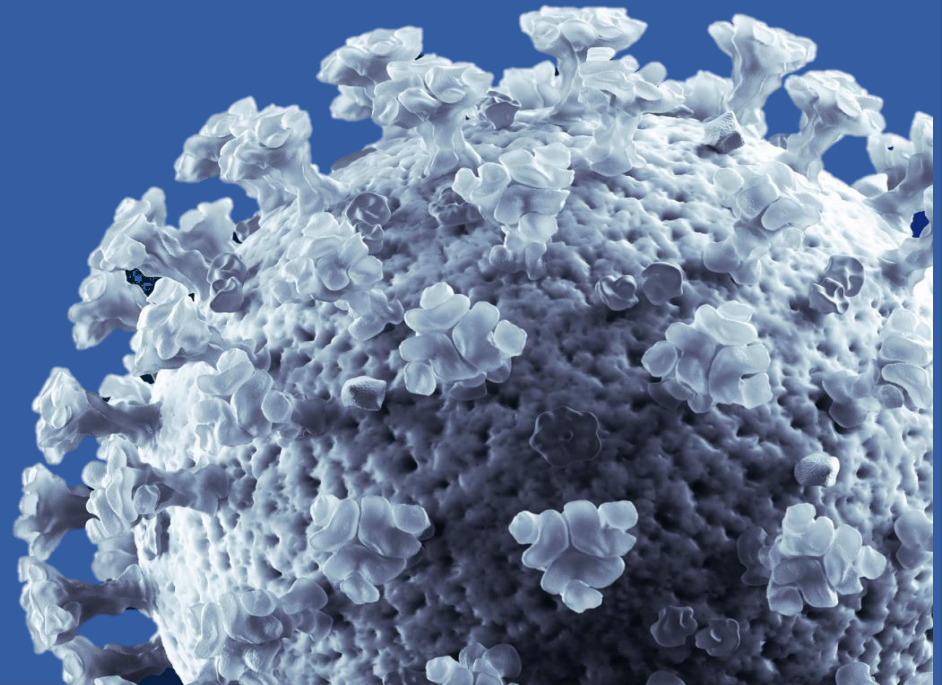Government of India

MOVEMENT TRACKING

TINKERBEE INNOVATIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Anupam Varghese **Website**: https://tinkerbee.in	**Product**: Trackbee **Target Audience**: Healthcare teams, law, and order sector	**Startup Stage:** Validation **Price**: INR 1,000 to 1,500 **Production**: 10 units per day	**Logistics**: They need assistance in the supply chain- components, assembly, and manufacturing restricted due to lockdown.

- The company has compact trackers to monitor both people and assets in near real-time.

- These trackers are body-worn/ attachable and have temperature monitors on them.

- The RF technology used is LoRaWAN. This enables city-wide coverage and 200m accuracy, battery-powered tracker that could last for over 1 year.

- This enables keeping track of people, their location, and temperature remotely and requiring little or no configuration on the client-side.

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GEOFENCING

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TECHGROPSE PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Anup Kumar **Website**: www.techgropse.com **Location**: Noida	**Product**: Mobile applications and web panel using Map, Location and Bluetooth	**Startup Stage:** Early Traction **Price**: INR 35 lakhs	NA

- The startup has developed mobile applications and web panels using Map, Location, and Bluetooth.
- This shall solve the problem to officials who can easily manage the quarantine and isolated people and suspects. The data can be shown on a map and can send alerts to aware people to stay away from that area.

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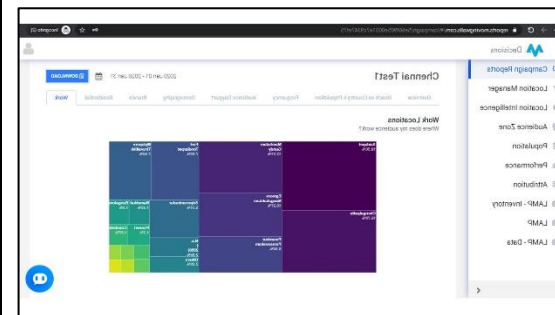
VECTORFORM SOFTWARE PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Sumit Mathur **Website**: www.techgropse.com **Location**: Hyderabad	**Product**: Transmission Risk Assessment Tool **Target Audience**: Central govt of India and State governments	**Startup Stage:** Scaling	NA

- This application/tool is mainly designed for government officials to keep a complete track of the people who have been suggested to quarantine themselves.

- The Govt. officials will ask people who might be in contact with people either tested positive for COVID-19 or got in contact with them to download and install the application to track their movements & health vitals.

- An easy to use the app and effective and detail dashboard for tracking passengers from abroad and secondary people with possible infection

- The application can also help in defining the geofencing of the quarantined person & alert the authorities if any movement happens beyond that area. Also, as we do health monitoring, we can provide essential help to them via this app.

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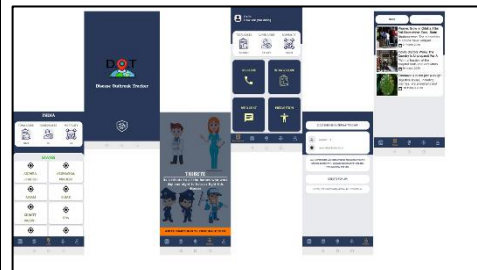Government of India

GEOFENCING

MOVING WALLS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ramana Siddhartha **Website**: https://www.movingwalls.com **Location**: Chennai	**Product**: Platform for Tracking People Movement **Target Audience**: Central and State Government, large organizations, etc.	**Startup Stage:** Early Traction	NA
• Technology allows for identifying the movement of people at scale and provides inputs on ensuring movement control nationwide			

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GEOFENCING

N3XVERSE PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Om Sovan Das **Website**: www.coronatrackerindia.in **Location**: Bhubaneswar	**Product**: D.O.T - Disease Outbreak Tracker	**Startup Stage:** Early Traction	NA

- Officials can directly chat and know what the status around India, can update info based on color code for on the level of risk zones, directly talk with people having or suspecting the presence of the virus in the body and share news, your views, and videos in the app to spread awareness and info on the movement of virus on-field in the app and upload list of people being infected and people under supervision.

- Civilians can know the status of the virus spread in the dashboard, get news feed and videos directly from officials involved in the operation to check/stop Virus outbreak/spread, info on Risk Zones in different states, know your heroes fighting in the frontline, check the list of infections and deceased and their activities to know if you are safe, Chatbot to know the virus or report for any case and get emergency helpline numbers of different areas for reporting or help.

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SENSEGIZ TECHNOLOGIES PVT LTD.
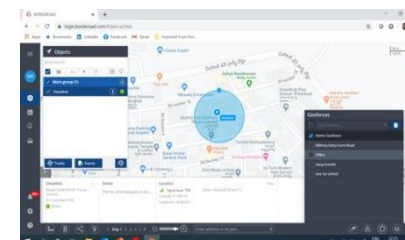
Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rahul Kednurkar **Website**: https://www.sensegiz.com **Location**: Karnataka	**Product**: COVID-19 Patient Tracking and Geofencing Solution with Sensegiz COIN **Target Audience**: Private Sector Government, Hospitals, Homes, Elderly care homes, IT integrators, Quarantine Areas, etc.	**Startup Stage:** Scaling **Price**: INR 12,000 **Production**: 15,000 unit per day	NA

- With the COIN, the startup creates a large, ultra-low power proprietary mesh network of sensor nodes with connectivity to the cloud via Wi-Fi. Each sensor node communicates with every other tiny sensor node as well as with the cloud.

- It has analytics and machine learning happening at the edge as well as on the cloud platform

- One can also create Geofence to trigger an alert when the patient enters or leaves the designated area. The total time spent can also be monitored in various zones.

- All the alerts can be sent via SMS and email to the concerned person if a person leaves the quarantine area.

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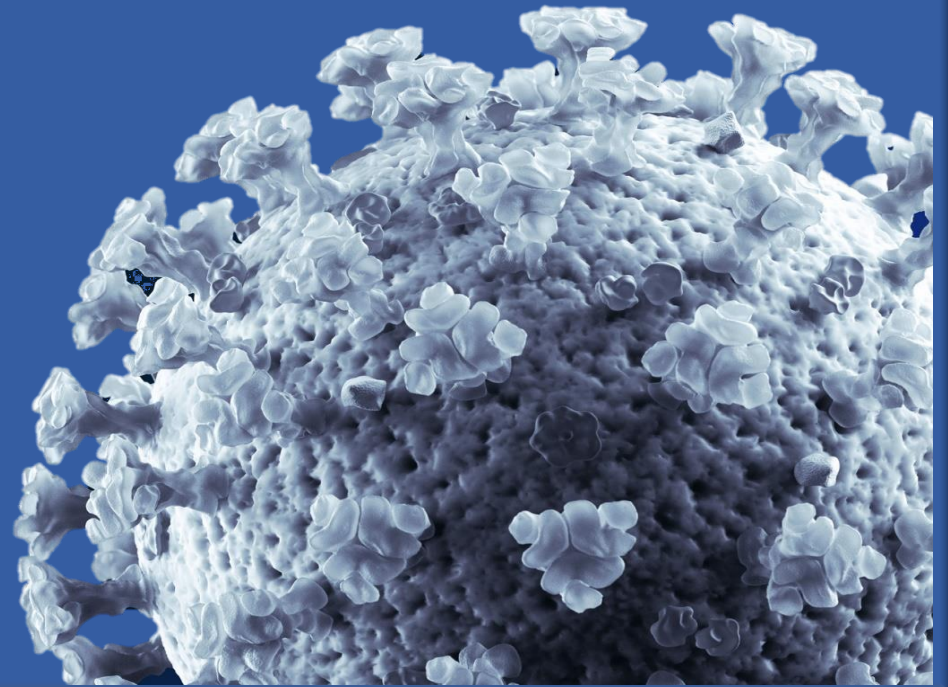Ministry of Commerce and Industry
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GEOFENCING

SIGNITEQ SERVICES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Murrali RB **Website**: www.signiteq.com **Location**: Karnataka	**Product**: Home Quarantine Geo Tracker App **Target Audience**: Govt Authorities, Health Management Authorities, Hospitals, City Municipal Corporations	**Startup Stage: Early Traction** **Price**: INR 1,000 **Production**: 10,000 unit per day	NA

- A Powerful App-Based Mobile Tracker for COVID 19 patients, suspected patients, citizens in-home quarantine isolation
- Helps authorities to enforce lockdown, control, track, trace movements of citizens and suspected patients, define geofencing limits and contain the spread of the virus

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CROWD MANAGEMENT

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CROWD MANAGEMENT

BE BOUND INDIA PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Olivier Rousseau **Location**: Delhi	**Product**: SCS Technology **Target Audience**: Government	**Startup Stage:** Scaling	NA

- Using Seamless Connectivity Service by BSNL, Government Android Apps will be able to send Push Notifications to consumers who do not have an active internet connection or even if they are in an area with poor data network coverage

Be-Bound
Augmented connectivity

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CROWD MANAGEMENT

DETECT TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Tarun Mishra **Website**: detecttechnologies.com **Location**: Chennai	**Product**: Noctua M **Target Audience**: Central & State Governments and Police & security personnel	**Startup Stage:** Early Traction **Production**: 3 units per day	NA

- Noctua M is an effective solution to monitor large and dynamic crowds. Noctua M comprises of the visual camera and smart megaphone.

- It provides a live feed at the client's hand which helps in the live monitoring of people. With the help of a smart megaphone, the client can access the speaker on the drone through the access given a mobile phone with one tap on the call icon.

- While drone surveillance is live, alerts/messages can be passed on to the people under surveillance with the help of our smart megaphone. Noctua M solution can also be equipped with thermal cameras which helps in monitoring people at low light conditions.

- Accessing the work areas from the desk in any day/night conditions to pass on the alerts is made easy with our solution Noctua M.

FACLON LABS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Archit Naraniwal **Website**: https://faclon.com/home **Location**: Mumbai	**Product**: AI-powered and Cloud Connected Thermal Scanning of Human Body **Target Audience**: Hospitals, Corporate Offices, Factories, Retail Outlets	**Startup Stage:** Early Traction **Price**: INR 1,80,000 **Production**: 25 units per day	**Logistics**: It needs assistance in procuring raw material.

- Faclon has developed an AI-powered thermal screening solution to effectively measure human body temperature without any manual intervention. It is a very powerful, yet compact 4G-LTE and Wi-Fi enabled device which automatically captures thermal snapshots of every individual passing in front of it.

- It automatically creates alarms when it detects any feverish person. It is equipped with AI-enabled facial tracking for accurate localization and tracking of people's temperature. It's also integrated with Faclon IoT platform I/O Sense for further visualization & data analytics.

- The visual data will help in further analysis to verify the social distancing norms and inspection of safety kit like gloves, masks, etc. Using I/O Sense we can see different historical temperature data trends, dashboard visualizations, and can generate different data reports & system generated alerts.

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CROWD MANAGEMENT

TECHNODOM PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Chandra Sekhar Chaganti **Website**: www.fiuhit.com **Location**: Telangana	**Product**: Knowcovid-19 **Target Audience**: Government Bodies	**Startup Stage:** Validation	NA

- The startup has developed an application called KNOWCOVID-19. The main aim of the Knowcovid-19 PWA app is to collect the data of the suspected and confirmed people and share it with our health department to save our nation.

- The app is based on the Covid-19 symptoms questionnaire- Individual users and Volunteers. Now the simple thing they must do is, they have to answer the Covid-19 questionnaire daily. Based on points our tool analyses the user's health condition to report to the health department automatically.

- The Health Department can access the data in their dashboards, and they can filter suspected or confirmed cases immediately or after 14 days to take proper action to give the proper care to those individuals only.

KnowCOVID-19

https://app.knowcovid.in

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CROWD MANAGEMENT
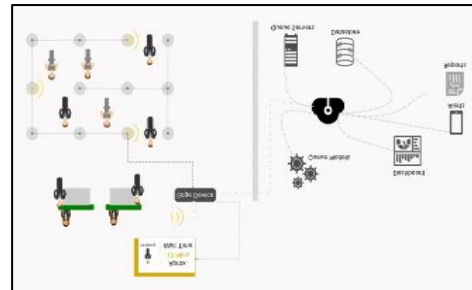
TECHNOTRONICS GLOBAL SECURITY SOLUTION PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: VIjay Chaudhari **Website**: vijay@ttsecure.com **Location**: Maharashtra	**Product**: Patented Hermes Advance Screening & Data Gathering Technology to Control Covid-19 **Target Audience**: Hospitals, Corporate, government	**Startup Stage:** Early Traction **Price**: INR 30,000 **Production**: 10,000	**Logistics** **Funding**

- The startup has made their own patented low cost, intelligent, highly efficient rapid screening, and data gathering technology. Appended below are its features:

  - Uses AI Machine learning - Alert system of Spread
  - Tracks the movement of suspects, infected, quarantine and backtracking
  - Low cost.
  - Available for both Mobile and non-mobile based users.
  - Self-Test for home quarantined
  - Readily deployable and high Level of accuracy
  - API for data recording of positives from Approved Test kits worldwide
  - Live monitoring and GEO fencing
  - Resource Utilization
  - Multiple reports based on age, sex, city, building, country, etc.

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CROWD MANAGEMENT

YOBNY TECH

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Saurabh Vyas **Website**: https://yobny.com	**Product**: QueueOne - Virtual Queuing Platform **Target Audience**: Hospitals, Retail groups, Medical Test centres/ Labs.	**Startup Stage:** Validation	NA

- QueueOne provides tools to create and manage virtual queues.

- In the current pandemic situation, this can save lives as it helps achieve social distancing.

- The product is SaaS & IoT based solution, it can help manage people's movement and avoid the crowd.

- The product is deployed in Apollo Hospital (Shishadripuram), Blossom Hospital Pilots - Big Bazar, Brand Factory, and Metro Retail.

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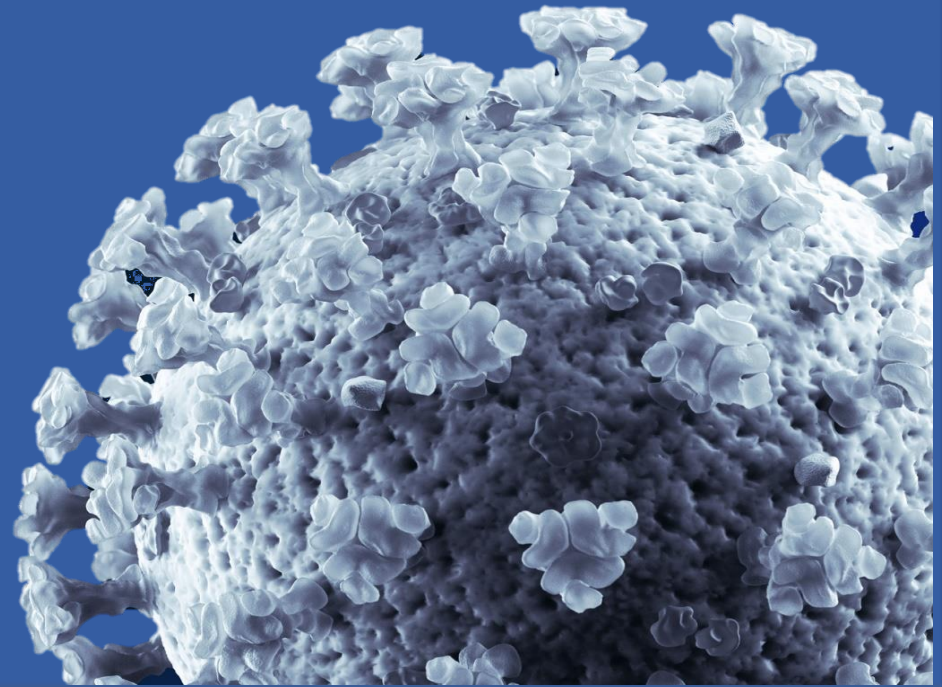Government of India

CROWD MANAGEMENT

INNOCTIVE TECHNOLOGIES PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Deepesh Kuruppath **Website**: https://cargofl.com/ **Location**: Pune	**Product**: CargoFL Maztar Platform **Target Audience**: Pune Public Transport Service	**Startup Stage:** Early Traction	NA

- CargoFL Maztar Platform provides an App & Tech platform that can be used to screen COVID-19 symptoms and conduct COVID-19 awareness training sessions.

- The Pune Public Transport Bus Service i.e. Pune Mahanagar Parivahan Mahamandal Limited (PMPML) is committed to providing it's 10,000+ low-income distribution employees i.e. drivers, conductors, cleaners, sweepers, etc., a corona live symptom reporting (case reporting) facility, timely updates, Circulars and SOP's during this Corona pandemic.

- They are looking for an app for their employees that can help report corona symptoms, reach out to available doctors online, get treated proactively for symptoms, understand quarantine requirements, be able to float important updates & SOP's to their employees and also come up with a Real-Time Corona Readiness Indicator for PMPML.

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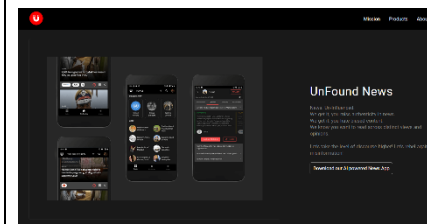Government of India

FAKE NEWS DETECTION

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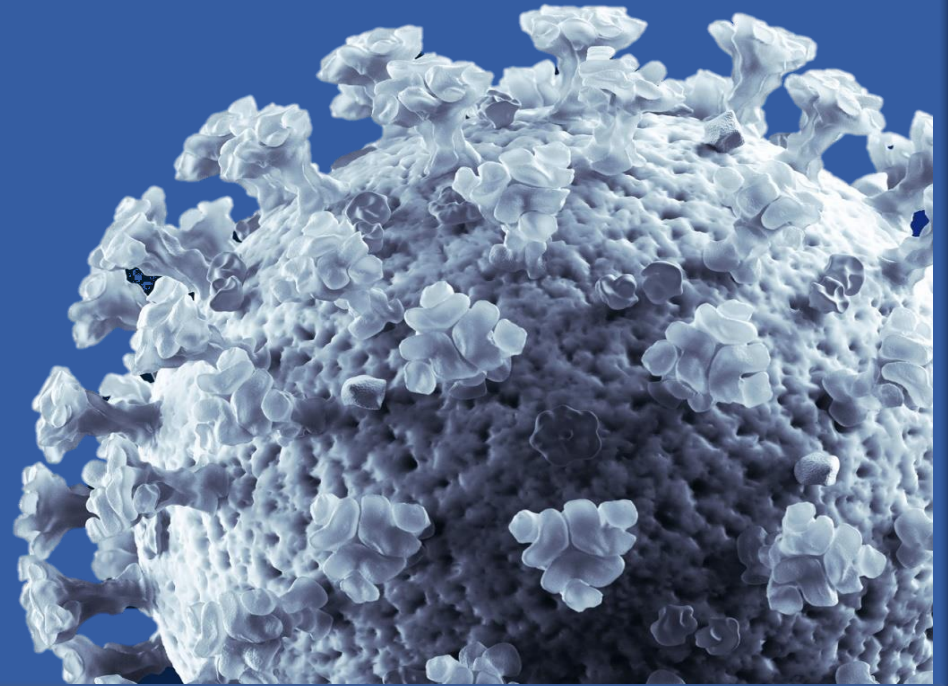
FAKE NEWS DETECTION

UNFOUND

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Anushree Bishnoi **Website**: https://unfound.ai/ **Location**: Mumbai	**Product**: Artificial Intelligence, Natural Language Processing, Machine Learning **Target Audience**: State Media Monitoring Cells, Cybercrime department	**Startup Stage:** Validation	NA

- COVID-19 has seen a surge in misinformation on social media. Right from fake news related to the treatment/cure of the disease to various conspiracy theories is today impacting the social and economic wellbeing.
- This misinformation surge needs to be fought with an equally scalable, robust, and fast solution.
- UnFound AI provides that capability using artificial intelligence, natural language processing, and machine learning.
- The product is live and used by journalists already.

LOGISTICS

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IYSERT ENERGY RESEARCH PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rakesh Biswas **Website**: www.iysertenergy.com **Location**: Jaipur	**Product**: Portable Self Sustainable Mobile Hospitals **Target Audience**: Indian Army and Railways, Government of India, etc.	**Startup Stage:** Validation **Price**: INR 6 lakhs **Production**: 100 units per day	NA

- The company is ready to transform the waste containers into World-Class Portable Hospitals Units on Wheels / Stationary with the latest equipment, Beds, and basic Amenity services and the hospitals will run by powered itself with solar and portable Air-o-water (Air to water) system for filter & Purified water. Each mobile unit can be embedded or parked in a place to developed 1000 beds hospitals.

- Each mobile unit has containers with wheel embedded and interiors will have portable beds, Portable ICU setup embedded, private room for the patient, kitchen, bathroom.

- The mobile units can be developed into a dormitory for 10 beds or can be expanded into others as per the requirements.

- The Mobile hospitals will be connected via Mobile Application (JEVEN), The Patient or hospitals can book the Mobile Hospital via mobile application in the nearest location.

40ft High Cube Medical Container

IYSERT MOBILE HOSPITALS
>> Saving Life on Wheels

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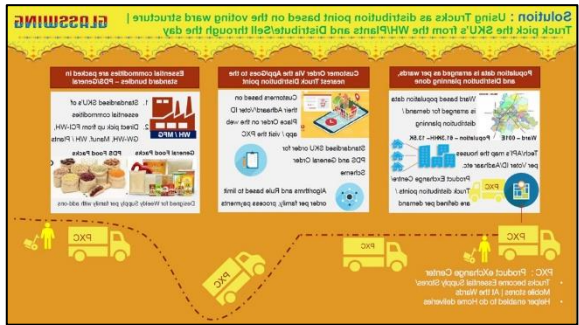Government of India

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PEER ROBOTICS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Rishabh Agarwal **Website**: www.peerrobotics.in **Location**: Delhi	**Product**: Robots for automated delivery of food, medicines, and disposal of waste **Target Audience**: Hospitals, Old-age homes, etc	**Startup Stage:** Early Traction **Price**: INR 10 lakhs **Production**: 4 per month	**Logistics**: It needs assistance in the supply chain movement.

- The current healthcare system is facing an acute shortage of doctors and nurses (caretakers). Delivery of food, medicines, and disposal of waste is one of the tasks that can easily be automated, allowing the caretakers to focus on more essential and life-threatening tasks.

- Peer Robotics' robots are capable of working along with nurses and doctors to provide the much-needed supplies to the patients while limiting the contamination among the caretakers and reducing their physical workload

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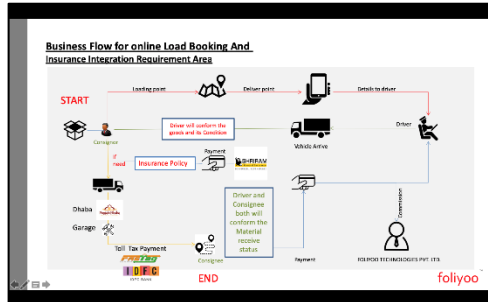
BRISKWORLD VENTURES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Ashutosh Jha **Website**: www.glasswing.in **Location**: Delhi	**Product**: Essential Commodity Distribution Solution **Target Audience**: Government, FMCG, Pharma Companies, etc.	**Startup Stage:** Validation **Price**: Undisclosed **Production**: 500 trucks in Delhi to begin with	**Logistical Support**: Permission for movement of the trucks

- GLASSWING is proposing a Smart Distribution system to address some challenges:
  - They propose to use Large Trucks as Mobile Distribution points for essential commodities, medical supplies based on the voting wards
  - Each Ward Population data is pulled based on the UID / Voter ID / Mobile number and qualified for PDS or General Scheme for essential commodity distribution and sales
  - The sales SKUs are standardized based on a week's supply of essential commodity + certain Add On products like Hand Sanitizer, Mask, or Food Products, with a limit per family weekly to ration commodities.
  - Customers can book via the WebApp or WhatsApp or Call and the Linked Ward can either deliver the order to them or can be picked up from the Truck Geofenced to the Ward.

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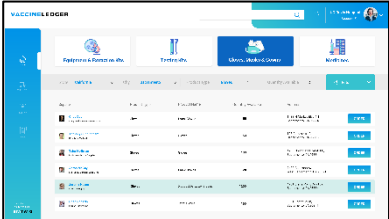
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FOLIYOO TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Biswajit Muduli **Website**: www.glasswing.in **Location**: Odisha	**Product**: Essential Commodity Distribution Solution **Target Audience**: Vilamart, Godwanmart, and more	**Startup Stage:** Validation **Price**: INR 750 **Production**: Unlimited	NA

- Foliyoo Technologies pvt. Ltd. is a transport aggregation company. It looks tirelessly into the easiest way load booking could be done for commercial vehicles.

- Load booking through us will change the domain of existing booking models facilitated by various other aggregators. Innovation through IoT is what makes us different from others.

- Foliyoo will solve the Online fleet booking and moment of goods one place to another, please. In this COVID-19 Viral infection time, mainly social distance is a measuring factor to stop this virus.

- Foliyoo will solve the communication between transporter and goods suppliers.

- It has been validated and deployed in Hong Kong and Malaysia.

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STATWIG

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Sid Chakravarthy **Website**: https://statwig.com **Location**: Hyderabad	**Product**: Vaccine Ledger **Target Audience**: Government bodies	**Startup Stage:** Scaling **Price**: INR 50,000 **Production**: 50 units per day	NA

- UNICEF uses their tool to track critical vaccines inventories at national state and district levels so that UNICEF can deliver these vaccines to the children quickly and more efficiently. The startup can use the same product to track the COVID-19 related critical products to give visibility at state and district levels.
- SCM tool to manage inventory of critical PPE and other essential medical gear and offers transparency at different levels of the chain (Government, supplier, transporter, and buyer) about managing such items.
- The startup developed an open-source tool for UNICEF (funded by UNICEF Innovation Fund) and GAVI, which is used for tracking critical vaccines from production to inventory management at national/state/district levels so that it can be delivered quickly and efficiently in the field.

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SARJAN INNOVATIONS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
Name: Akshay Sood **Website**: https://sarjanindustries.com/ **Location**: Gujrat	**Product**: Swachhta Picker **Target Audience**: Major buyers include Urban Local Bodies (Municipalities), Panchayati Raj Institutions /Rural development departments, etc	**Startup Stage:** Validation **Price**: INR 2,850 per piece **Production**: 150 per day	NA

- Swachhta Picker is a manually operated handheld equipment that helps to pick up all kinds of solid and semi-solid waste from a distance without much need to bend or physically touch the waste. It, therefore, eliminates the need for direct contact with waste and hence minimizes many kinds of health and safety risks for the sanitation workers. In context to COVID-19, it has a significant role to protect the sanitation workers from the transmission of COVID-19 through contaminated waste.

- The use of swachhta picker will add another barrier to such transmission by physical distancing of waste from sanitation workers and would protect them to get infected. Moreover, the equipment is not just for corona, it would be used for the long term to save the workers from a lot of other health and safety risks on account of their job.

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THANK YOU

For further support please write to
SUICovidInnovations@investindia.org.in

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