

#startupindia



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**INVEST INDIA**  
NATIONAL INVESTMENT PROMOTION  
& FACILITATION AGENCY

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

## PERSONNEL PROTECTIVE EQUIPMENT

MAY 2020

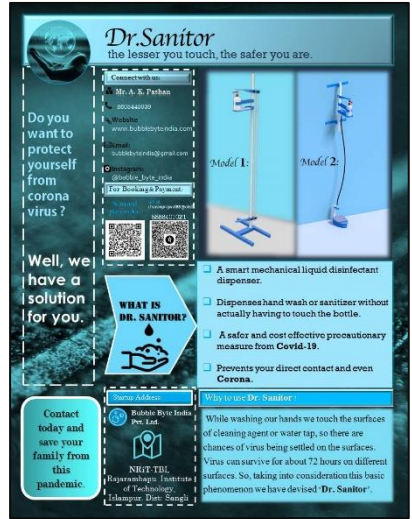




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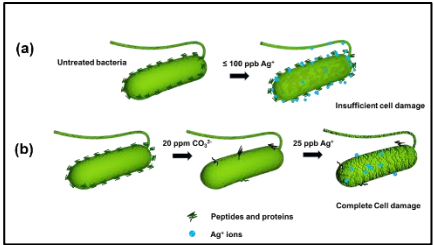
### BUBBLE BYTE INDIA

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Amankhan Khajakhan Pathan <b>Website:</b> www.bubblebyteindia.com <b>Location:</b> Maharashtra</p>	<p><b>Product:</b> Dr. Sanitor <b>Target Audience:</b> Hotels, Government Offices, Police Stations, Hospitals, Banks, Shops, Malls, etc.</p>	<p><b>Startup Stage:</b> Early Traction <b>Price:</b> INR 500 <b>Production:</b> 500 per day</p>	<p><b>Deployment:</b> They need deployment support.</p>
<ul style="list-style-type: none"> <li>• Hands touch many surfaces and can pick up viruses. The virus can survive for about 72 hours on different surfaces.</li> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> </ul>			 <p>The advertisement for Dr. Sanitor features a blue and white color scheme. At the top, it says 'Dr. Sanitor the lesser you touch, the safer you are.' Below this, there are two images of the product: Model 1 (a wall-mounted dispenser) and Model 2 (a portable dispenser). The text highlights key features: 'A smart mechanical liquid disinfectant dispenser', 'Dispenses hand wash or sanitizer without actually having to touch the bottle', and 'A safer and cost effective precautionary measure from Covid-19'. It also states 'Prevents your direct contact and even Corona.' At the bottom, it mentions 'Contact today and save your family from this pandemic' and provides contact information for Bubble Byte India Pvt. Ltd., including their address at NH7, TEL, Hyderabad, India, and website www.bubblebyteindia.com.</p>



## PERSONNEL PROTECTIVE EQUIPMENT


### INDIAN INSTITUTE OF TECHNOLOGY MADRAS

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Prof T Pradeep <b>Website:</b> www.dstuns.iitm.ac.in <b>Location:</b> Chennai</p>	<p><b>Product:</b> Nasal Drop Technology for Deactivation of Covid-19 <b>Target Audience:</b> Central and State Governments</p>	<p><b>Startup Stage:</b> Scaling <b>Price:</b> INR 10 <b>Production:</b> 10 MT per day</p>	<p>NA</p>
<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>This technology has been successfully tested against enteric viruses (such as Rotavirus, Poliovirus, Japanese Encephalitis), bacteria (such as E. Coli, Salmonella, S. Aureus).</li> </ul>			



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### SHAPEYSQUARE


Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Shubham Ahluwalia</p> <p><b>Website:</b> www.shapeysquare.com</p>	<p><b>Product:</b> Covid-19 face shields</p> <p><b>Target Audience:</b> Police department, workers, labor, etc.</p>	<p><b>Startup Stage:</b> Scaling</p> <p><b>Price:</b> INR 45</p> <p><b>Production:</b> 100 per day</p>	<p><b>Logistics:</b> They need support in the supply chain movement.</p>
<ul style="list-style-type: none"> <li>The company is providing 3-D printed Face shields and respirator valves.</li> <li>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.</li> <li>OHP sheets are easily available and they do not need to be disinfected they can replace easily</li> </ul>			



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### SUNFOX TECHNOLOGIES PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Rajat Jain <b>Website:</b> <a href="https://sunfox.in">https://sunfox.in</a></p>	<p><b>Product:</b> Polycarbonate face shield helmet <b>Target Audience:</b> CMC, Aiims, health department</p>	<p><b>Startup Stage:</b> Early Traction <b>Price:</b> INR 100 <b>Production:</b> 20,000 per day</p>	<p><b>Logistics:</b> They need support in the supply chain movement.</p>
<ul style="list-style-type: none"> <li>The startup has developed a polycarbonate face shield helmet.</li> <li>It is one piece, easy to carry, easy to wear, easy to clean, lightweight, and economical protective gear.</li> </ul>			<p>Flat Pattern Face Shield Made from 0.030" Polycarbonate</p> 



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### SWASTI AGRO AND BIOPRODUCTS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Abhay Shendye <b>Website:</b> www.swastiagro.com <b>Location:</b> Pune</p>	<p><b>Product:</b> Coating fabric to make a mask that can adsorb and kill the virus <b>Target Audience:</b> CMC, AIIMs, health department</p>	<p><b>Startup Stage:</b> Early Traction <b>Price:</b> INR 300 per pack <b>Production:</b> 5,000 per day</p>	<p><b>Logistics:</b> They need assistance in the transportation of raw material.</p>
<ul style="list-style-type: none"> <li>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.</li> <li>The derivatives of chitosan are otherwise safe to use and have been deployed in IV injections as well as carriers in the flu vaccine.</li> <li>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.</li> <li>These can be used as low-cost masks.</li> </ul>			



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### TINKR BOT TECHNOLOGIES

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<b>Name:</b> Ishruthi <b>Website:</b> www.tinkrbot.com <b>Location:</b> Trichy	<b>Product:</b> Face Shields made using 3D Printing <b>Target Audience:</b> Government Hospitals, Police officers, Municipal workers	<b>Startup Stage:</b> Validation <b>Price:</b> INR 200 <b>Production:</b> Printing- 20 per day Moulding- 2,000 per day	NA
<ul style="list-style-type: none"><li>• The startup has developed face shields made using 3D printing.</li><li>• The 3D Printed design is flexible, light-weighted, and simple to suit the comfort of doctors using the shield.</li><li>• Thereby it provides additional protection to doctors dealing with patients.</li></ul>			



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### UNEAKO GREEN EARTH PVT. LTD.

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Ankit Tripathi</p> <p><b>Website:</b> <a href="http://uneako.com/">http://uneako.com/</a></p> <p><b>Location:</b> Delhi</p>	<p><b>Product:</b> SN-19 Face Shield</p> <p><b>Target Audience:</b> Government Hospitals, Police officers, Municipal workers</p>	<p><b>Startup Stage:</b> Early Traction</p> <p><b>Price:</b> INR 70</p> <p><b>Production:</b> 200 per day</p>	<p><b>Logistics:</b> They facing issues procuring raw material</p>
<ul style="list-style-type: none"> <li>• 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. <ul style="list-style-type: none"> <li>○ Features of the Face Shield:</li> <li>○ Lightweight and ideal to wear for a long period. The total weight is around 40gm.</li> <li>○ The minimal volumetric weight which allows easy transportation of face mask in bulk.</li> <li>○ Adjustable face mask. The person can adjust the face mask as per their face size and shape.</li> <li>○ Crystal Clear transparent face mask for clear vision. Easy to clean and reusable.</li> <li>○ SN19 is durable as well. People can use it easily.</li> <li>○ They feel no difficulty to bend their head or neck while using this face mask.</li> </ul> </li> </ul>			

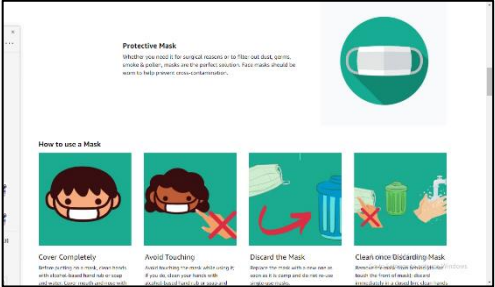




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### URTECHKLIKWORLD PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Praveen Urmila <b>Website:</b> <a href="https://uralstech.in/">https://uralstech.in/</a> <b>Location:</b> Delhi</p>	<p><b>Product:</b> Masks</p>	<p><b>Startup Stage:</b> Early Traction <b>Price:</b> INR 40 <b>Production:</b> 10,000 to 15,000 units per day</p>	<p>NA</p>
<ul style="list-style-type: none"> <li>The startup produces a protective mask to filter out dust, germs, smoke &amp; pollen. Appended below are the features of the product suitable for children and adults:             <ul style="list-style-type: none"> <li>For various treatment environments such as emergency room, operating theatre, etc</li> <li>Unique invasive and non-invasive ventilation modes to meet the different patients' needs</li> <li>Inspiration halt, convenient for sucking phlegm</li> <li>Oxygen mixing technique to adjust oxygen concentration and meet the oxygen therapy need</li> <li>Alarm and monitoring system which meet the international safety standard</li> <li>TFT screen, displaying various respiration parameters and waveforms</li> <li>With a built-in battery and on-vehicle power connector for A/C and D/C power supply</li> </ul> </li> </ul>			



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### JARIWALA ROBOTICS PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Vishal Jariwala</p> <p><b>Website:</b> www.jgrouprobotics.com</p>	<p><b>Product:</b> Face Shields</p> <p><b>Target Audience:</b> Government Hospitals, Corona Testing Centres, Défense, Police, Home Guards &amp; Security Guards working on fields</p>	<p><b>Startup Stage:</b> Scaling</p> <p><b>Price:</b> INR 300</p> <p><b>Production:</b> 5,000 per day</p>	NA
<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>			



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### MOM MADE PRODUCTS

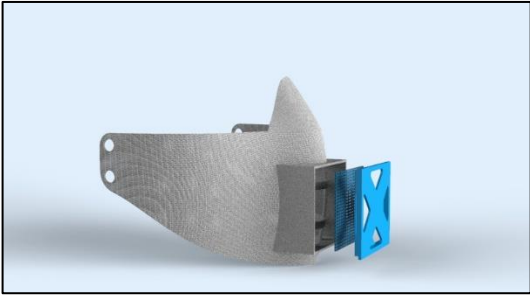
Details Of the Founders	Details Of the Product	Market Status	Support Needed
<b>Name:</b> Karan Garg	<b>Product:</b> Home Made Face Masks Cotton <b>Target Audience:</b> Medical Stores, Administration, etc	<b>Startup Stage:</b> Scaling <b>Price:</b> INR 20 <b>Production:</b> 10,000 per day	<b>Funding</b>
<ul style="list-style-type: none"><li>• 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.</li><li>• At the same time, these are manufactured by women SHGs thereby earning them a supplemental income in these tough times.</li></ul>			



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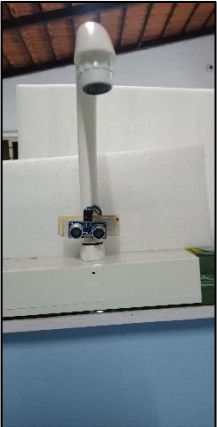
### MGH LABS PVT LTD

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Gokul Rajendran</p> <p><b>Website:</b> <a href="http://bogorchid.com/">http://bogorchid.com/</a></p> <p><b>Location:</b> Chennai</p>	<p><b>Product:</b> Filter based air filtration</p> <p><b>Target Audience:</b> Hospitals staff, Health care workers, Frontline doctors, and common public</p>	<p><b>Startup Stage:</b> Validation</p> <p><b>Price:</b> INR 200</p> <p><b>Production:</b> 1,000 units</p>	NA
<ul style="list-style-type: none"> <li>• The Filter based wellness mask protects a healthy person from an infected person (&amp; vice versa) by providing an effective physical barrier from aerosol-based virus contraction.</li> <li>• It provides a protective mask for health care workers, physicians, and the common public.</li> <li>• It effectively filters germs including bacteria, fungus, and dust particles like pollen, etc.</li> <li>• It acts as a wellness tool by providing preventive health solutions.</li> <li>• It provides smart filtration and protection at an affordable price. Indigenously manufactured with highly sterile conditions</li> </ul>			



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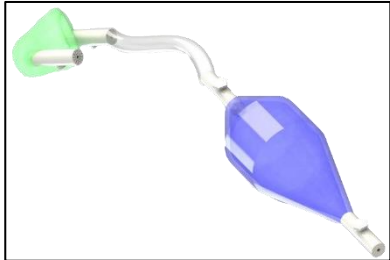
### VIEBEL CONCEPTS PLC

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Mithun</p> <p><b>Website:</b> <a href="http://www.viableconcepts.in">http://www.viableconcepts.in</a></p> <p><b>Location:</b> Mysuru</p>	<p><b>Product:</b> Automated Integrated Hand Wash Station</p> <p><b>Target Audience:</b> Hospitals and Health Care, Airports, Domestic Use, Schools and Educational Institutions, etc.</p>	<p><b>Startup Stage:</b> Validation</p> <p><b>Price:</b> INR 3,000</p> <p><b>Production:</b> 1,000 units</p>	NA
<ul style="list-style-type: none"> <li>• Integrated Hand wash liquid and water dispensing station. Applicable at places of hand wash and washbasins: Sensor-based Tap and Electronic Box.</li> <li>• The device could be mounted on any existing washbasins or new washing stations can be manufactured. Operations are sensor-based.</li> <li>• 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.</li> <li>• It's a non-contact Hand Washing Station with Water and Handwashing liquid dispersion at the same point at prescribed frequencies.</li> </ul>			



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### PILTOVERTECH

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Manan Issar</p> <p><b>Website:</b> <a href="https://idahand.in/">https://idahand.in/</a></p> <p><b>Location:</b> Jaipur</p>	<p><b>Product:</b> Bi-Directional One-Way Valve, Venturi Splitter, Headbands for masks and Bolstered Face Shields</p> <p><b>Target Audience:</b> Hospitals, Govt. Offices, Police</p>	<p><b>Startup Stage:</b> Validation</p> <p><b>Price:</b> Face Shield - 375, Valve - 350, Splitter - 350, Headband – 100</p> <p><b>Production:</b> 1,000 per day</p>	NA
<ul style="list-style-type: none"> <li>• 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.</li> <li>• Venturi Splitter - Present splitters compromise with the air pressure as the air splits at the junction of the splitter.</li> <li>• 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.</li> <li>• 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.</li> </ul>			



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### PUPILMESH PRIVATE LIMITED

Details Of the Founders	Details Of the Product	Market Status	Support Needed
<p><b>Name:</b> Milind M Manoj</p> <p><b>Website:</b> <a href="http://www.pupilmesh.com">http://www.pupilmesh.com</a></p> <p><b>Location:</b> Bangalore</p>	<p><b>Product:</b> Low-Cost Face Shields</p> <p><b>Target Audience:</b> Bangalore Medical College, MS Ramaiah Medical College</p>	<p><b>Startup Stage:</b> Prototype</p> <p><b>Price:</b> INR 85 per unit</p> <p><b>Production:</b> 10,000 per day</p>	<p><b>Deployment:</b> They need financial support.</p>
<ul style="list-style-type: none"> <li>The startup has developed low-cost face shields.</li> <li>The face shield has got anti-scratch and anti-fogging capabilities and thus makes it easy and comfortable to use.</li> </ul>			 <p><b>3D printed Face shield</b> Weight: APPROX 170gms Easy to fabricate and deploy. Provides complete protection to the face</p>