



CEREBROSPARK INNOVATIONS LLP

CerebroSpark Innovations is a **Drone Manufacturer & Drone Solution Providing** company based in Pune, India.

As awareness and demand for drone technology is increasing, we at CerebroSpark Innovations provide efficient, easy-to-use drones and attachments with visionary engineering designs.

Vision: To emerge as one of the most dynamic and multidimensional drone companies in India.

Mission: Focus on quality-based manufacturing of drones in India with continuous advancement in a healthy work environment.

Enhancement of existing drone technology for various innovative applications in all leading industries.

AWARDS AND RECOGNITIONS

Won a cash prize of INR 50,000 in 'Festival Of Future 2020' a national level hackathon conducted by 'Pimpri Chinchwad Municipal Corporation'.



Recognized by the United Nations India & UNICEF as one of the top 7 young change-makers across India and again out of 7 further selection in top 2 changemakers by The Indian Express.



Young changemakers Beauty Paswan and Ganesh Thorat talk about their achievements and challenges with Dr Heena Gavit, Dr Yasmin Ali Haque and **Indian Express**. Watch the conversation at 5pm, Friday, August 21.

UNICEF India
#Reimagine
#UnitedForHope

The Indian EXPRESS



DR YASMIN ALI HAQUE
Representative, UNICEF India



BEAUTY PASWAN



GANESH THORAT



DR HEENA GAVIT
MP, Nandurbar

THE CHANGEMAKERS
A conversation with young leaders
shaping India's future



Drone technology has helped some farmers fight the recent locust attack. I would like there to be more awareness in this field so that people can use this technology to improve their lives: Ganesh Thorat, entrepreneur providing easy to use drone hardware. ... [See More](#)

Ganesh Thorat

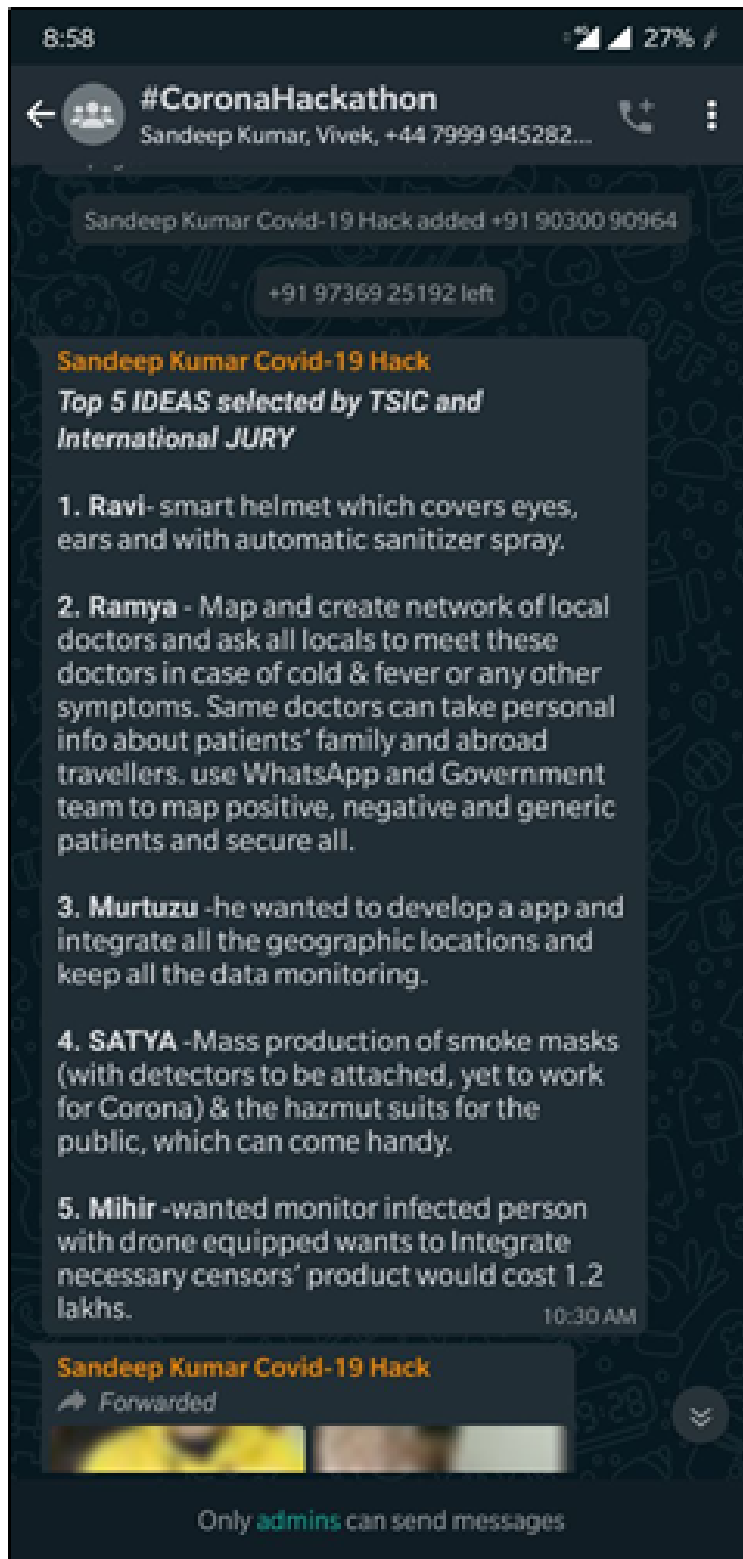
is a young entrepreneur providing efficient, easy to use drone hardware. His journey is an example of how startups can both support youth development and help implement a brighter future.



[See More](#) →

YOUTH KI AWAAZ

Our Idea Was Selected in top 5 Ideas Across 63 Countries in I-Innovate Corona Hackathon conducted by Telangana State Innovation Cell and TITA.



Invited by IIT Madras for 'SHAASTRA 2020'.



Interviewed by Times Of India, The Indian Express, News18 Lokmat , Smart City news.



Startup to make drone for traffic management

Siddharth Galkwad
@timesgroup.com

Pimpri Chinchwad: A group of college students at the new startup incubation centre at Chinchwad is developing a drone that will help manage traffic, facilitate quick movement of ambulances and aid in disaster management.

The incubation centre is jointly developed by Auto Cluster Development and Research Institute, Maharashtra Chamber of Commerce, Industries and Agriculture and Pimpri Chinchwad Smart City Limited. Pimpri Chinchwad municipal commissioner Shivam Hardikar inaugurated the centre on Wednesday.

Ganesh Thorat and Mihir Kedar of Jayawant Sawant Prasarak Mandal (JSPM) College of Engineering in Hadapsar have been developing the drone for the past six months. The drone can be operated in a radius of 2km.

Speaking with TOI, Thorat said, "We have developed a quadcopter drone that can be used for controlling traffic on busy roads. The drone will help ambulances move faster."

Kedar added, "The drone will sound a siren and fly 100-200 meters ahead of the ambulance to clear the road. If there is an automatic traffic signal at a junction ahead, then the drone will take over its operations to ensure that the ambulance crosses the spot quickly."

The drone will also be useful in disaster management as it can carry a payload of 5kg, consisting of medicines, drinking water and first aid kits, for those affected. The drone will also facilitate communication between the people and the disaster management centre.

The two students plan to further develop the quadcopter into a hexacopter to increase its payload capacity.

Smart City

Pimpri Chinchwad start-up developing drone to help ambulances move faster

Elets News Network
10 months ago

Mihir Kedar and Ganesh Thorat of Jayawant Sawant Prasarak Mandal (JSPM) College of Engineering in Hadapsar have been developing the drone for the past six months, and plan to further develop the quadcopter into a hexacopter to increase its payload capacity.

Recognized as the title of Emerging Innovator by KPIT Sparkle

PROJECTS COMPLETED

Traffic Controlling Using Smart Drone

To use a smart drone to control traffic as a flexible traffic signal unit and a two-way communication system.



Delivery Of Essential Medicines By Drones In Hilly Areas

Smart drone for delivering medicines/blood from cities to rural/inaccessible areas with effective two-way communication and dropping mechanism.



Design And Development Of Drones For Disaster Management

To search, locate and rescue humans stuck in the affected area during natural calamity/disaster.

If the drone finds a person drowning then it will provide a life jacket at that time.



Drone For Ambulance Assistance

The drone will sound a siren and fly 100-200 meters ahead of the ambulance to clear the road and control the signal.



Drone As Virtual Doctor

In case of emergency, the drone will communicate with the victim and act as a virtual doctor by giving medical guidance.



OTHERS



With Dr. Nitin Karmalkar (Vice-chancellor, SPPU).



With Dr. Rajendra Kanphade (Principle, Jayawantrao Sawant College Of Engineering, Hadapsar, Pune).



With Dr. Mohit Dubey (CEO, AIC MIT ADT University, Pune).



With Mr. Mandar Joshi (From MCCIA).



With Mr. Prasad Gore (Chief Operating Officer, Auto Cluster Development & Research Centre, Pune).



With Mr. Prashant Jogalekar (Director of MCCIA).

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With Mr. Neeraj Shah (Owner, Silver Bright, TEDx Speaker).



With Mr. Tom Thimot (CEO, Socure USA).

OUR TEAM



Team Cerebrospark Innovations

Ganesh Thorat(BE Mechanical)

Mihir Kedar(TE Mechanical)

Rushikesh Sonawane(TE Mechanical)

Janhavi Gurav(TE Computer)

Neha Turke(SE E&TC)

Shyam Ramchandani(SE Computer)

THANK YOU



CEREBROSPARK INNOVATIONS LLP

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Development
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VERTEXX

Contact details:

Email Id: info@cerebrospark.in

Ph.No.: 8600104934/7387515448

CEREBROSPARK INNOVATIONS LLP, PUNE