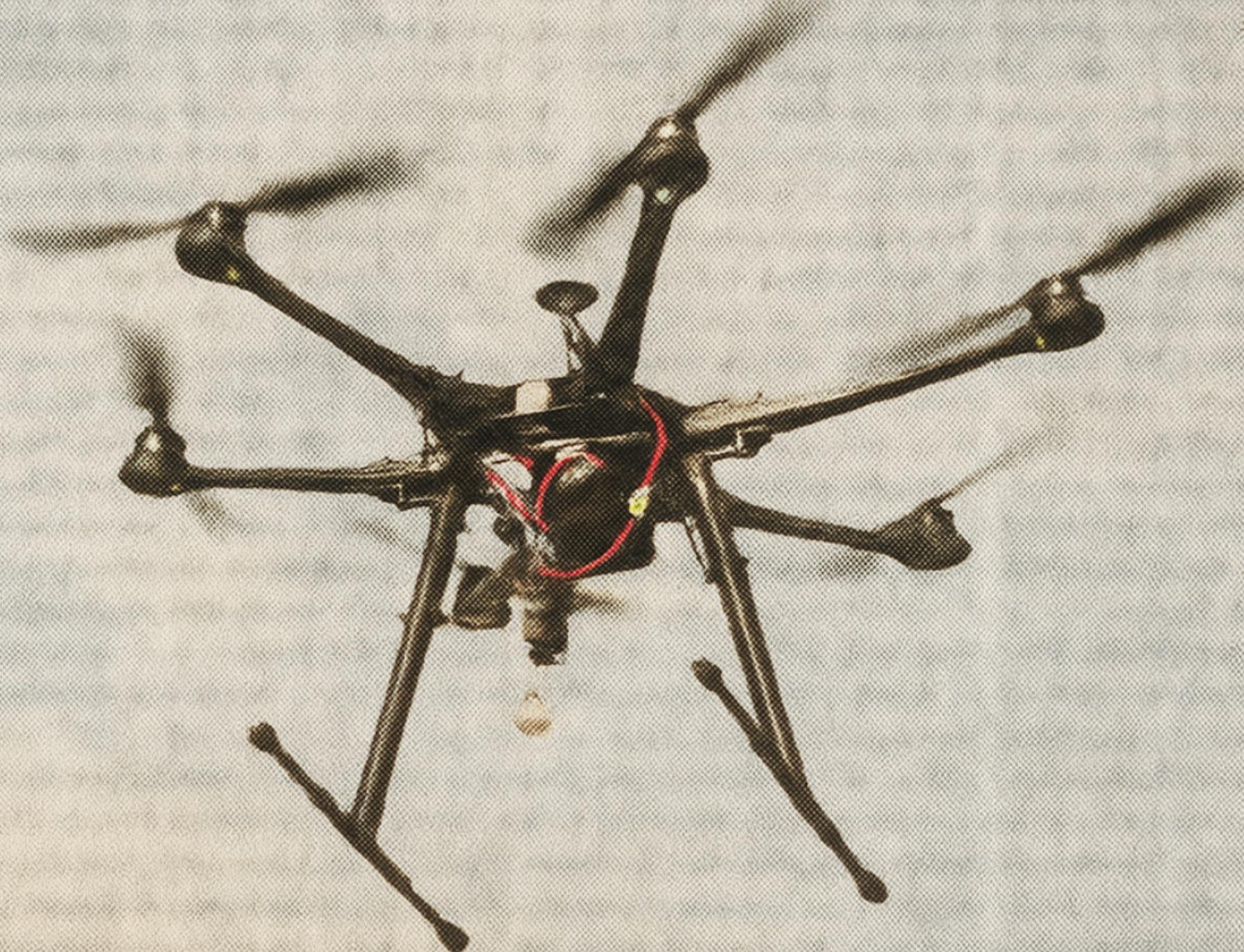


AUTONOMOUS DRONE FOR DISASTER RESPONSE

FA- Dr. Radhe Shyam Sharma

THE DRONE THAT SAVES LIVES WHEN SECONDS MATTER



ABOUT THE DRONE

This autonomous drone is designed specifically to find people trapped in disaster zones. It operates within a predefined area, flying automatically without manual control.

SEARCH & RESCUE FEATURES

Autonomous Flight
Follows a pre-programmed path to scan disaster-affected zones.

Survivor Detection
Uses camera detection to locate people under debris or in hard-to-reach places.

Real-Time Video Feed
Streams live footage to rescue teams for faster response.

Exact GPS Location Output
Provides live visuals to support rescue planning.

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The Autonomous Disaster Rescue Drone is engineered to speed up search operations when time is critical. Once its search area is defined, the drone flies independently, continuously scanning for human presence.

If a survivor is detected, the drone immediately marks the spot and transmits the exact GPS coordinates, enabling emergency teams to reach the location faster.

This combination of autonomous navigation, detection, and precise geolocation makes it a powerful tool in modern disaster response.

Primary Function: Detect humans + send exact GPS location

Flight Mode: Autonomous (preset search zone) + Manual (if needed)

Sensors: Camera and GPS

Output: Live video + GPS coordinates

Use Cases: Earthquake rescue, building collapse, floods, fire zones