

**Visit Report**  
**6<sup>th</sup> Drone International Expo 2025**  
**31<sup>st</sup> July – 1<sup>st</sup> August 2025**  
**Bharat Mandapam (Pragati Maidan), New Delhi**

The International Drone Expo is a premier global platform that brings together innovators, manufacturers, policymakers, and enthusiasts from the rapidly evolving unmanned aerial vehicle (UAV) industry. Held annually at Bharat Mandapam, Pragati Maidan, New Delhi, the event showcases the latest advancements in drone technology, including applications in agriculture, defense, surveillance, logistics, geospatial mapping, and disaster management

**Day 1 (31<sup>st</sup> July 2025): Exploration of Drone OEM Stalls**

We explored the **applications, specifications, and technologies** used in **agricultural, surveying, and defense drones** exhibited by leading drone manufacturers and service providers mentioned below.

**Key Exhibitors Visited (Day 1)**

| Company Name                           | Type of Drone          | Key Highlights                                                                                                   |
|----------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>IoTechWorld Avigation Pvt. Ltd.</b> | Agriculture Drone      | Showcased DGCA-approved <b>Kisan Drones</b> , real-time data mapping, and pesticide spraying with RTK GPS.       |
| <b>Vyom Drones</b>                     | Multi-purpose UAV      | Focus on <b>rural mapping, crop health monitoring</b> , and <b>forest surveillance</b> .                         |
| <b>Aeroscan Technology</b>             | Survey & Mapping UAVs  | High-resolution LiDAR & photogrammetry drones for land and construction mapping.                                 |
| <b>Sudarshan Techno Solutions</b>      | Tactical Defense UAVs  | Demonstrated VTOL (Vertical Take-Off and Landing) drones for surveillance and payload delivery.                  |
| <b>Zepco Technologies Pvt. Ltd.</b>    | Defence & Recon Drones | Drones with <b>thermal imaging, night vision</b> , and geofencing for perimeter security.                        |
| <b>Dreamfly Innovations (EIONIC)</b>   | Agri & Custom UAVs     | Focus on <b>agri drones with AI-based spraying, solar-powered UAVs</b> , and <b>long-range payload support</b> . |

Interactions

- Industry professionals emphasized **indigenous development**, integration with **optical networks**, and **AI-enhanced threat detection and anti drone systems**.
- Companies were open to **academia–industry collaboration** for joint research, internships, and field testing.



Day 2( 1<sup>st</sup> Aug 2025): Drone Subsystem & Component Manufacturers

On the second day, we explored the hardware ecosystem that powers drones—such as carbon fiber frames, batteries, 3D-printed parts, ESCs, flight controllers, and composite materials.

Key Component Stalls Visited (Day 2)

| Company Name           | Specialization       | Key Offerings                                                |
|------------------------|----------------------|--------------------------------------------------------------|
| Robu.in                | Drone Parts Retailer | Motors, ESCs, flight controllers (Pixhawk), frames, GPS kits |
| Carbon Light Pvt. Ltd. | Composite Materials  | Lightweight carbon fiber frames, propellers, and arms        |
| Winmate Inc.           | Rugged Electronics   | Rugged tablets and displays for UAV ground control stations  |

|                             |                       |                                                                      |
|-----------------------------|-----------------------|----------------------------------------------------------------------|
| <b>NinetronTech</b>         | Sensor Modules        | IMUs, altimeters, and barometers for drones                          |
| <b>Dreamfly Innovations</b> | Drone Batteries       | High-density Li-ion and LiPo batteries under the <b>EIONIC</b> brand |
| <b>Tyto Robotics</b>        | Robotics Frameworks   | Test rigs, flight analyzers, torque test benches                     |
| <b>3Dexter</b> (or similar) | 3D Printing Solutions | Custom 3D printing for UAV airframes, mounts, and accessories        |

Many component suppliers showed willingness to provide discounts for academic institutions, R&D labs, and drone clubs.

**List of Some of the Exhibitors useful for proposed drone lab at CoE AI:**

| <b>Company</b>                       | <b>Specialization</b>                                 |
|--------------------------------------|-------------------------------------------------------|
| <b>Samridhi Informatics Pvt. Ltd</b> | <b>Drone manufacturers/suppliers</b>                  |
| <b>NexXora</b>                       | <b>Warehouse and agri drones</b>                      |
| <b>AKSI Aerospace Group</b>          | <b>Drone manufacturers</b>                            |
| <b>Parashar</b>                      | <b>Drone manufacturers</b>                            |
| <b>Vyom / Vyom Drones</b>            | <b>Indigenous UAV platforms</b>                       |
| <b>IoTechWorld Avigation</b>         | <b>IoT networks &amp; UAV connectivity, Agribots</b>  |
| <b>Winmate Inc.</b>                  | <b>Rugged drone-grade displays &amp; computing</b>    |
| Nautical Wings Aerospace             | Aerospace & drone platforms                           |
| Aeroscan Technology                  | Mapping & LiDAR-enabled UAVs                          |
| Sudarshan Techno Solutions           | Drone integration & unmanned systems                  |
| SRB International / GA Telecom       | Satellite comms, UAV geolocation, counter-UAV systems |
| Zepco Technologies                   | Remote-sensing UAV electronics                        |
| NinetronTech                         | Drone electronics & sensors                           |
| Tyto Robotics                        | Autonomous drone robotics                             |

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Carbon Light Pvt. Ltd.            | Composite drone structures & cargo systems |
| Robu.in                           | Drone parts retailer & component supplier  |
| Dreamfly Innovations              | High-performance drone battery tech        |
| <b>Tunga Aerospace Industries</b> | <b>Drone manufacturers/suppliers</b>       |



#### Visitors from VPKBIET:

Prof. Rajveer Shastri

Mr. Shashank Biradar