



**COIMBATORE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND**  
**COMMUNICATION ENGINEERING**

JOINTLY WITH

**IOT CENTRE & 5G INNOVATION CENTRE**

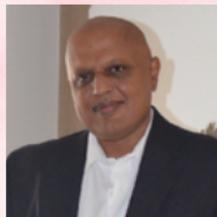
*Cordially Invites you to the inauguration of*

**ADS-B FLIGHT TRACKER**

**REAL-TIME AIRCRAFT SURVEILLANCE AND TRACKING USING**  
**ADS-B TECHNOLOGY**



**Funded & Mentored by**  
**Mr. Sethu Rathinam B.E.,**  
**M. Tech., M.S (EE) & M.B.A**  
**(CIT B.E. ECE Alumnus Class of 1979)**



**Inaugurated by**  
**Thiru. R. Santossh**  
**Managing Trustee/Chairman**  
**CIT Institutions**

**Principal**

- **Dr. A. Rajeswari**  
**CIT**

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- **Dr. M. Poongothai**  
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- **Aadharsh B**
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- **Nithiya Raj S**



**19.12.2025**



**Library building -2nd Floor [ECE]**



**2:00PM**



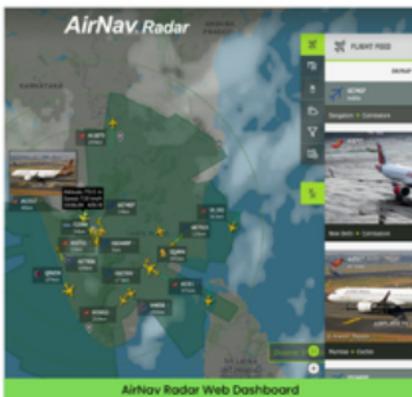
Coimbatore Institute of Technology  
Department of Electronics and Communication Engineering

## ADS-B FLIGHT TRACKER

Automatic Dependent Surveillance - Broadcast (ADS-B) is a system that provides real-time aircraft visualization and tracking, by receiving ADS-B signals transmitted by aircraft. The signal contains airplane ID, GNSS position, altitude, and velocity broadcast at 1090 MHz. Our system collects the signals with a Narrow Band Antenna, decodes them with Software Defined Radio receiver connected to a Raspberry Pi computer and displays it.



RadarBox  
ADS-B FlightStack  
by AirNav Systems



ADS-B Antenna Mount Location



Raspberry Pi 4 - Setup

### HOW FLIGHT TRACKER WORKS?

