

# IRF – IC's 12th Lecture

## Research & Developments in Autonomous Vehicle Technologies in India

Their Potential in Road Safety and Implementability



**Dr. P Rajalakshmi**  
**Professor**  
**TIHAN (Hyd), IIT Hyderabad**

Dr. P Rajalakshmi, is Professor in the Department of Electrical Engineering, also a Faculty in Department of Artificial Intelligence, CYIENT Chair Professor in Future Communications, and Project Director of Technology Innovation Hub on Autonomous Navigation Foundation (TIHAN Foundation) funded by DST at IIT Hyderabad. Her research areas: Autonomous Navigation, Drone based sensing, wireless communications, Internet of Things, Cyber Physical Systems targeting applications like autonomous transportation – aerial and terrestrial. She also works on the application of CPS to agriculture, healthcare, environmental monitoring, and smart buildings.

Along with fundamental theoretical research in IoT/CPS domain, she also emphasizes on translational research which involves development of minimum viable and user beneficial products. Out of her research activities, she has filed 30+ patents, published over 50+ Journals and 200+ conference peer-reviewed papers. She was awarded Young Faculty Research Fellowship under Visvesvaraya PhD Programme in January 2016 for a period of 5 years, 'Digital Trail Blazer Award 2016' by India Today.

**Friday, 14th November 2025 | 6:00 PM to 7:30 PM**