Autonomous Indoor Navigation Systems for Drones using Ultrasonic Frequency

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- Idea
- Scope

- Use Case
- Evidence

Business Proposal

- Commercial Viability
- Market Research

Bill of Materials

Development Plan

Description of Development Activities/Task/Milestones	Y1 Q1	Y1 Q2	Y1 Q3	Y1 Q4	Y2 Q1	Y2 Q2	Y2 Q3	Y2 Q4	Y3 Q1	Y3 Q2	Y3 Q3	Y3 Q4	Y4 Q1	Y4 Q2	Y4 Q3	Y4 Q4
Project: Development of Acoustic Sensor for localization of objects by measuring distance, velocity , angular distance, Resolution using PWM Chirp signal.																
Delivery Phase 1: Feasibility Study, Design, Implementation, Demonstration at IIITD-IITD Lab and Field Trials at iHub Campus																
Feasibilioty Study & Architecture Design																
PMU Specific Research																
Hardware Design and Implemenation																
Software Design and Implemenation																
System Integration with 5G Private Network Connectivity																
Demonstration at IITD Labs																
Demonstration and Field Trials at THDC																

Currently ongoing

- Simulation Exercise for Transmitter and Receiver is currently being done.
- Demo is planned