



AIVAC – Prototype Demonstration Guide



Instructions for Judges and Reviewers

Welcome, and thank you for taking the time to evaluate **AIVAC**—an intelligent HVAC optimization solution built to deliver energy efficiency and user comfort. This document serves as a step-by-step navigation guide through our submission components.

Each section is carefully curated to offer a layered understanding of the prototype—from hands-on demonstration to technical depth, research backing, and real-world deployment readiness.

- You can explore each element independently or follow the stepwise flow for a complete experience.
- Hyperlinks are embedded under each step for quick access.
- For best results, we recommend beginning with the **video demonstration**, then diving into the technical explanation and app interface.

✓ Step 1: Prototype in Action

Watch our working prototype perform real-time sensing, occupancy detection, and automated temperature control.

🎥 **Prototype Video Demonstration:** <https://youtu.be/yMNKCpIYqlo>



🔧 Step 2: Technical Functionality Breakdown

Dive deep into sensor integration, formula logic, and automation behind AeroSense.

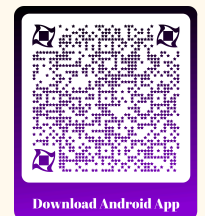
🌐 **Technical Prototype Webpage:** <https://aivac-prototype.netlify.app/>



📱 Step 3: Try the Android App


Download the AeroSense mobile app and remotely access the system with a single tap.

➡ **Download Android Application:** [app-release.apk](#)



Step 4: Official Landing Page

Explore our high-level introduction, vision, and use-case overview.

 **Landing Webpage (Official):** <https://aivac-official.netlify.app/>



Step 5: Presentation Deck

A detailed slide-based walkthrough of the project's architecture and value proposition.

 **Prototype PPT (Presentation Deck):** [AIVAC Prototype PPT.pptx](#)



Step 6: Research & Validation

Scientific foundation and research work backing the AeroSense automation formula.

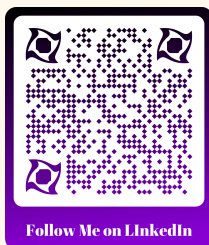
 **Research Paper:** [paper.pdf](#)



Step 7: Promotional Brochure

A snapshot view of our solution, features, benefits, and future scope.


 **Promotional Brochure:** [Aivac Brochure.pdf](#)



Contact Information

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