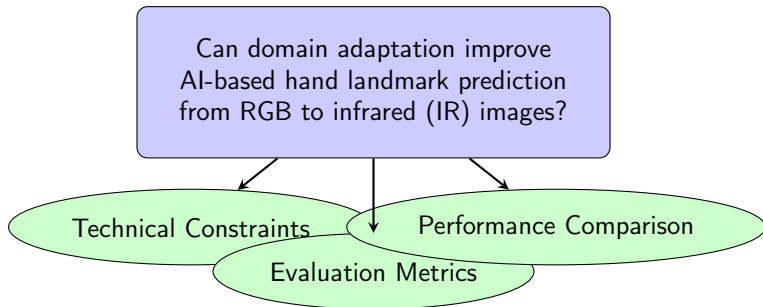


Research Plan for CSE3000 Research Project

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Research Questions



Technical Constraints

- Limitations of existing methods
- Maintaining real-time inference

Evaluation Metrics

- Key performance indicators
- Accurate detection metrics

Performance Comparison

- Low-cost vs baseline
- Medium-cost vs alternatives

Key Steps:

- 1 Setup Development Environment & Tools
- 2 Organize and Clean Data
- 3 Feature Extraction & Data analysis
- 4 Implement and Evaluate Methods
- 5 Validate and Document Results

Key Milestones:

- **Nov 2024:** Literature Review & Evaluation Framework
- **Dec 2024:** Method Implementation & Midterm Presentation
- **Jan 2025:** Model Optimization & Comparison Analysis & Final Documentation