

Week 3 — Research & Literature Review

(September 15 to September 21)

During Week 3, the primary goal was to strengthen the theoretical foundation of the project by exploring existing research related to **object detection systems** and **assistive technologies for visually impaired individuals**. This helped us understand the current advancements, challenges, and gaps in the field.

Work Completed

- Reviewed **five research papers** focusing on:
 - Environment detection
 - Mobile-based computer vision
 - Real-time object detection techniques
 - Studied the **WHO World Report on Vision** to understand:
 - Global statistics on visual impairment
 - The increasing need for accessible assistive technologies
 - Key challenges faced by visually impaired populations
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Outcome

The literature review helped us:

- Gain clarity on the **technical direction** for our project
- Validate the **relevance and importance** of the problem we are solving
- Build the foundation required for **system design and development** in the coming weeks