# Two-Week Plan for Virtual Try-On System MVP

## Week 1: Build Core Features

### Day 1 (Kickoff and Setup)

- Set up the development environment.  
 - Choose tools: React.js (frontend), MediaPipe/TensorFlow.js (object detection), and Firebase (backend).  
 - Create project structure in GitHub.  
- Begin work on facial landmark detection:  
 - Integrate MediaPipe for detecting key facial points.

### Day 2 (Basic AR Overlay)

- Develop a basic AR overlay:  
 - Load a static image of glasses and align it with detected facial landmarks.  
 - Ensure real-time responsiveness.

### Day 3 (AR Adjustment and Catalog Integration)

- Add dynamic resizing and alignment of glasses based on facial proportions.  
- Create a basic catalog interface for selecting glasses:  
 - Use a simple JSON file or Firebase to store product details.

### Day 4 (UI/UX)

- Build a clean and intuitive user interface:  
 - A preview window for try-ons.  
 - A catalog sidebar for browsing glasses.

### Day 5 (Website Integration)

- Develop an embeddable JavaScript library:  
 - Test integration with a mock website.  
- Test performance on different browsers.

## Week 2: Refinement and Pitch Preparation

### Day 6 (Refinement and Debugging)

- Optimize detection and AR rendering for real-time performance.  
- Address edge cases (e.g., occluded faces, tilted heads).

### Day 7 (AI Perfectionist Mockup)

- Create a basic scoring mechanism for how well glasses suit a face:  
 - Use simple rules (e.g., symmetry, face shape matching) for now.  
 - Show score visually in the UI.

### Day 8 (Business Branding and Analytics)

- Add customization options for branding (logos, colors).  
- Implement basic usage analytics (e.g., most tried-on glasses).

### Day 9 (Testing and Packaging)

- Conduct end-to-end testing:  
 - Ensure smooth integration and compatibility.  
 - Test with sample users for feedback.  
- Package the product for delivery:  
 - Prepare installation instructions for embedding into websites.

### Day 10 (Demo and Documentation)

- Prepare a demo version tailored for Vision Care:  
 - Highlight key features with a walkthrough.  
- Write concise documentation for users and technical teams.

### Day 11 (Pitch Deck Creation)

- Design a professional pitch deck:  
 - Problem statement, solution overview, technical highlights, and benefits.  
 - Include screenshots and a live demo link.

### Day 12-13 (Practice and Feedback)

- Practice delivering the pitch.  
- Gather feedback from peers or mentors and refine both the pitch and demo.

### Day 14 (Final Review and Outreach)

- Perform a final review of the product and pitch.  
- Begin reaching out to Vision Care or similar businesses to schedule presentations.