

# Project Timeline – Ứng dụng Dịch Ngôn Ngữ Ký Hiệu Tay

**Project name: THU- Let's us be your voice**

Week	Course Topic	Corresponding Project Tasks
W1	Design for Startups – Part 1	Build the AI model: collect hand sign data, train the AI model, and optimize it to achieve high accuracy tailored to the project's needs.
W2	Design for Startups – Part 2	Design the user interface (UI): create mockups of main screens (camera, translation result, notes). Select technologies (OpenCV and Tkinter).
W3	Building Product	Start coding the initial application: integrate camera (on/off) and video preview. Set up project structure and adjust model parameters to meet practical requirements.
W4	How to Launch	Complete the sign language recognition feature. Create a demo using sample hand signs (e.g., alphabet signs or trained phrases).
W5	How to Get Your First Ten Customers?	Create the translation result interface and add text-to-speech functionality. Conduct MVP testing with initial users.
W6	How to Get Users and Grow?	Improve UI/UX based on tester feedback. Add hand sign alphabet and tutorial videos for beginners. Design flyers or posts to promote the app to deaf/mute communities and special schools. Open feedback channels (Google Form or email).
W7	How to Sell?	Prepare a presentation slide deck about the app and its value (especially for people with hearing or speech impairments). Demo presentation practice.
W8	How to Set KPIs and Goals	Set user testing targets. Define KPIs: sign recognition accuracy, average processing time, and overall prediction reliability.
W9	Growth for Startups	Test the app in various real-world conditions (e.g., low lighting, different camera angles). Gather feedback to improve recognition algorithm and further optimize the UI.
W10	Evaluate All Groups	Finalize the product. Write the project report, record a demo video, prepare the final presentation, and submit the final version.