<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>ISL Speech-to-Sign</title>

<script>

function startSpeechRecognition() {

let recognition = new (window.SpeechRecognition || window.webkitSpeechRecognition)();

recognition.lang = 'en-IN';

recognition.start();

recognition.onresult = function(event) {

let transcript = event.results[0][0].transcript;

document.getElementById("textOutput").innerText = transcript;

showSign(transcript.toLowerCase());

};

}

function showSign(text) {

let signDict = {

"hello": "images/hello.gif",

"thank you": "images/thank\_you.gif",

"please": "images/please.gif",

"yes": "images/yes.gif",

"no": "images/no.gif"

};

let signImage = signDict[text] || "images/not\_found.png";

document.getElementById("signImage").src = signImage;

}

</script>

</head>

<body>

<h1>Indian Sign Language (ISL) Speech-to-Sign</h1>

<button onclick="startSpeechRecognition()">Start Speaking</button>

<p id="textOutput">Your speech will appear here...</p>

<img id="signImage" src="images/default.png" alt="Sign Language" width="200">

</body>

</html>