**Replit Prompt — Background AI Detection (No Modal, No Alert)**

# Replit AI Prompt

# Goal: Add automatic background detection of cross-subject selective participation

# The AI should quietly analyze engagement patterns across subjects during Meeting Prep generation

# and append a “Selective Participation Insight” line to the meeting summary if relevant.

# No new modals or visible alerts—just automatic context in the summary.

# Implementation Instructions:

1. Open: /src/features/meetingPrep/aiAnalysis.js

(or create it if missing)

2. Add this logic below any existing summary-generation function:

```js

// --- Background Selective Participation Detection (silent) ---

export function appendSelectiveParticipationInsight(summaryText, studentData) {

if (!studentData?.subjects || studentData.subjects.length < 2) return summaryText;

const highs = studentData.subjects.filter(s => s.participationLevel === 'high');

const lows = studentData.subjects.filter(s => s.participationLevel === 'low');

if (highs.length && lows.length) {

const insight = `🟡 AI Insight: Engagement appears uneven — higher in ${highs.map(s => s.subject).join(", ")}

but lower in ${lows.map(s => s.subject).join(", ")}.

Consider exploring interest, comfort, or task-type differences during the meeting.`;

return `${summaryText}\n\n${insight}`;

}

return summaryText;

}

1. Open: /src/features/meetingPrep/generateMeetingSummary.js  
   Locate where the system compiles or finalizes the summaryText.  
   Append this new insight automatically before returning:

import { appendSelectiveParticipationInsight } from "./aiAnalysis";

// inside your generateMeetingSummary(studentData) or equivalent function:

let summary = baseSummaryText;

summary = appendSelectiveParticipationInsight(summary, studentData);

return summary;

**✅ Behavior Overview**

* Runs **invisibly** during Meeting Prep data aggregation.
* Adds a **single AI-generated line** to the meeting summary only when selective participation is detected.
* Requires **no teacher action** or visual UI changes.
* Keeps tone supportive and professional.
* Fully compatible with your existing meeting flow.