Risk Response Plan Form

Project: Melody

1st Step: Risk Identification

Name of the Risk: Problems with Raspberry Pi performance (lag or overheating)	ID N° 5
Risk Description: If the board doesn't accomplish what is expected	

2nd Step: Risk Evaluation

Impact: ☐1(Very Low) ☐2(Low) **X**3(Average) ☐4(High) ☐5(Very High)

Explanation:
This might impact on the child's interest about the project, the system might experience delays in processing or audio playback. It would just reduce responsiveness or cause minor interruptions.

Probability: ☐1(Very Low) ☐2(Low) **X**3(Average) ☐4(High) ☐5(Very High)

Explanation:
The raspberry pi chosen for the project is quite good, but it is still a possibility.

3rd Step: Risk Response Plan

Task, Who will do it, When it will be done!

Strategies and Tasks that should be performed in order to reduce the "Impact"/"Probability" of this risk:

Prevention Tasks:
Limit camera frame rate and resolution and monitoring system resource usage during development.

Mitigation Tasks:
Include a reboot/restart mechanism in case the system becomes unresponsive.

Transfer* (use in last case, avoid if possible):

Acceptance Tasks (avoid at all costs!):

(* At Integration Workshop 3, it would not be possible to "transfer" the Risk outside of the team!)

Re-evaluated Impact (1~5): 2	**Re-evaluated Probability (1-5):2**

Elaborated by: Bruno	Date: 23/04/2025

Form based on Gasnier, 2000 (IMAN Editor), adjusted by Wille(UTFPR), translated to English by Fabro(UTFPR).