## Risk Response Plan Form

## **Project**: Melody 1st Step: Risk Identification Name of the Risk: ID N° Problems with Raspberry Pi performance (lag or overheating) 5 Risk Description: If the board doesn't accomplish what is expected 2nd Step: Risk Evaluation Impact: $\square 1(\text{Very Low}) \quad \square 2(\text{Low}) \quad \mathbf{X}3(\text{Average}) \quad \square 4(\text{High}) \quad \square 5(\text{Very High})$ 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) **X3**(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): Re-evaluated Probability (1-5):2 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).