

Project Risk Management

<u>Risk Description</u>	<u>Probability</u>	<u>Impact</u>	<u>Severity</u>	<u>Owner</u>	<u>Prevent Risks from happening</u>	<u>Contingent Action</u>
1.Instability and Variability	Moderate	Moderate	Moderate	Developer	Limiting randomness, stabilizing generation algorithms	Analysis of the causes of variability and adjustment of algorithms.
2.Random Function Dependency	Moderate	Moderate	Moderate	Developer	Broader exploration of functions, adjustment of function weights	Analysis of functions that led to suboptimal results and adjustment of strategies.
3.Lack of Interpretability	High	Moderate	Moderate	Developer	Use more interpretable algorithms, introduce explicit rules.	Implementing techniques or explaining the decision-making process to users.
4. Non-compliance with Reference Conditions	Moderate	High	High	all	Periodic validation of binaries, adjustment of generation criteria.	Adjustment of criteria and reassessment of binaries
5. High Computational Costs	Moderate	Moderate	Moderate	all	Algorithm optimization, efficient use of resources.	Infrastructure scaling or algorithm optimization.

6. Lack of Model Validation	High	High	High	all	Validation with representative test data sets.	Rework the validation process and adjust the model.
7. Security and Privacy	Low	High	High	Team Leader	Data encryption, respect of privacy rules	Stakeholder notification, system security audit
8. Lack of Scalability	Moderate	Moderate	Moderate	Developer	System design with scalability in mind.	Optimising infrastructure or restricting functionality in the case of large data volumes.
9. Lack of Effective Communication	High	Moderate	Moderate	Project Manager	Establish clear communication channels, hold regular team meetings, use collaborative platforms to share information.	Schedule a team meeting to clarify information. Use alternative communication channels (messaging, email). Implement online collaboration tools for sharing information
10. Ambiguity in Responsibilities	Moderate	Moderate	Moderate	Project Manager	Clear definition of roles and responsibilities in the team, regular updating of the organisation chart	Convene a team meeting to redefine and clarify responsibilities. Update the organisation chart

					<i>and responsibility matrix.</i>	<i>and responsibility matrix. Organise training to ensure correct understanding of roles.</i>
11. Cultural and Linguistic Barriers	Moderate	Moderate	Moderate	all	<i>Promoting diversity in the team, providing intercultural communication training, translating key documents into the team languages.</i>	<i>Implement team-building sessions to strengthen the team. Provide resources for intercultural communication training. Hiring a translator or providing resources for translating key documents.</i>
12. Confusion in Priorities	Moderate	Moderate	Moderate	Project Manager	<i>Clear definition of objectives and priorities, use of project management tools to track tasks and deadlines.</i>	<i>Convene an urgent meeting to establish current priorities. Update the task list and set clear immediate objectives. Transparent communication of priorities to the whole team.</i>

13. Frequent Interruptions	High	Moderate	Moderate	all	<i>Setting time slots for uninterrupted work, using online statuses to indicate availability, scheduling meetings and discussions.</i>	<i>Schedule dedicated concentration periods and announce to the whole team. Using online statuses to indicate availability. Setting time slots for meetings and discussions.</i>
14. Too Quick Conclusions or Wrong Assumptions	Moderate	High	High	all	<i>Encourage open communication and questioning, avoid assumption without clarification, encourage constructive feedback.</i>	<i>Organise a team meeting to clarify information. Encourage open communication and questions. Analysing causes and discussing solutions with the whole team.</i>
15. Lack of Constant Feedback	High	Moderate	Moderate	all	<i>Implement structured feedback processes, organise regular individual and team performance appraisal sessions.</i>	<i>Organise a specific meeting for feedback and evaluation. Implement structured processes for giving and receiving feedback. Encourage openness in</i>

						<i>discussing improvements.</i>
16. Failure to document Decisions and Discussions	Moderate	Moderate	Moderate	all	<i>Record important decisions and discussions in documents accessible to all, establish clear procedures for documenting relevant information.</i>	<i>Quick and clear documentation of decisions and discussions in a format accessible to all. Implement a document management system. Review processes and promote compliance.</i>