

Risk Register

Risk ID	Risk Description	Rating Before Risk Response	Response	Rating after Risk
R1	Failure of IoT technology integration	H	Mitigate	M
R2	Inaccuracy or malfunction of sensors	M	Prevent	L
R3	Compatibility issues between hardware and software	M	Mitigate	L
R4	Exposure to harsh mining conditions	H	Prevent	M
R5	Regulatory non-compliance	M	Prevent	L
R6	Inadequate testing or validation of safety features	M	Mitigate	L
R7	Dependency on battery power	H	Mitigate	M
R8	Resource constraints	M	Accept	M
R9	Ineffective communication among stakeholders	M	Enhance	L
R10	Supply chain disruptions	M	Transfer	L
R11	Data security vulnerabilities	M	Mitigate	L
R12	Insufficient User Training	M	Mitigate	L
R13	Technical Skills Gap in Team	M	Train	L
R14	Unforeseen Regulatory Changes	M	Monitor	L
R15	Equipment Malfunction During Operation	M	Prevent	L
R16	Lack of User Adoption	M	Communicate	L
R17	Data Privacy Breaches	M	Protect	L

R18	Scope Creep	M	Manage	L
R19	Vendor Reliability Issues	M	Monitor	L
R20	Weather-Related Delays	M	Plan	L
R21	Lack of Contingency Planning	M	Develop	L
R22	Communication Failures with External Partners	M	Improve	L
R23	Limited Budget Allocation	M	Manage	L
R24	Insufficient Stakeholder Involvement	M	Engage	L
R25	Changes in Project Scope	M	Monitor	L