Suhas Bhairav

AI Risk Register Assistant

A practical AI-driven framework to identify, score, and manage project risks.

A practical, repeatable AI-assisted risk management workflow for projects.

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suhasbhairav.com

OVERVIEW

Business leaders and project teams

Identify, Score, Assign Risks

This page introduces an AI-driven risk register tailored for projects. It clarifies what to automate, what requires human review, and the data and tools needed.

Key move **Begin with one pilot project to prove the workflow before broader rollout.**

PRACTICAL CHECKLIST

01	Catalog risks by project phase (initiation, planning, execution, closure) with concise, measurable descriptions.
02	Automate data collection from issue trackers, timelines, and status reports where feasible.
03	Flag risks with owners, due dates, severity, and potential impact.
04	Define triggers for escalation and when human review is required.
05	Specify data sources, tool access, and required standards for consistency.
06	Document evidence such as trends, incidents, and forecasts to support scores.
07	Keep a human-in-the-loop for strategic judgments.

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What to Automate and Review

AI can automate data gathering, risk scoring, and alerting. Human review remains essential for impact assessments and governance decisions.

Key move **Always retain final say on high-impact risks.**

PRACTICAL CHECKLIST

01	Automate data ingestion from issue trackers (e.g., Jira), calendars, and dashboards.
02	Auto-assign risk owners based on project role data and domain.
03	Use AI to compute initial risk scores using likelihood and impact.
04	Auto-generate mitigation recommendations with proposed owners and due dates.
05	Require human approval before finalizing high-severity risks.
06	Preserve human review for strategic risks and policy exceptions.
07	Archive rationale and evidence with each risk record.

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Weekly Adoption Plan and Metrics

Provide a practical, staged rollout plan to implement AI risk registers. Include ownership, approvals, metrics, and escalation paths.

Key move **Cap data access; require human review for high-severity risks.**

PRACTICAL CHECKLIST

01	Week 1: connect data sources, define risk taxonomy, and seed sample risks.
02	Week 2: pilot auto-scoring on one project and collect user feedback.
03	Week 3: assign owners, test automated alerts for near-term risks.
04	Week 4: review thresholds, adjust rules, and document guardrails.
05	Establish governance: decision rights, approvals, and escalation paths.
06	Metrics: time-to-detect, time-to-mitigate, and risk resolution rate.
07	Security and privacy: enforce data access limits and maintain audit trails.

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ABOUT THE CREATOR

Suhas Bhairav

I build AI systems that combine distributed architecture, retrieval, knowledge graphs, security, and practical workflow design. My focus is AI that can be used repeatedly by real teams: understandable, reliable, and grounded in the work people already do.

EXPERTISE

- Principal systems architecture and applied AI engineering
- Production-grade AI systems, agentic workflows, RAG, and knowledge graphs
- Full-stack workflow applications across AWS, Google Cloud, Azure, on-premise, and hybrid environments
- Practical AI implementation patterns for automotive, manufacturing, finance, logistics, cybersecurity, sales, and customer operations
- Security, governance, observability, approvals, and failure-mode thinking for operational AI systems

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