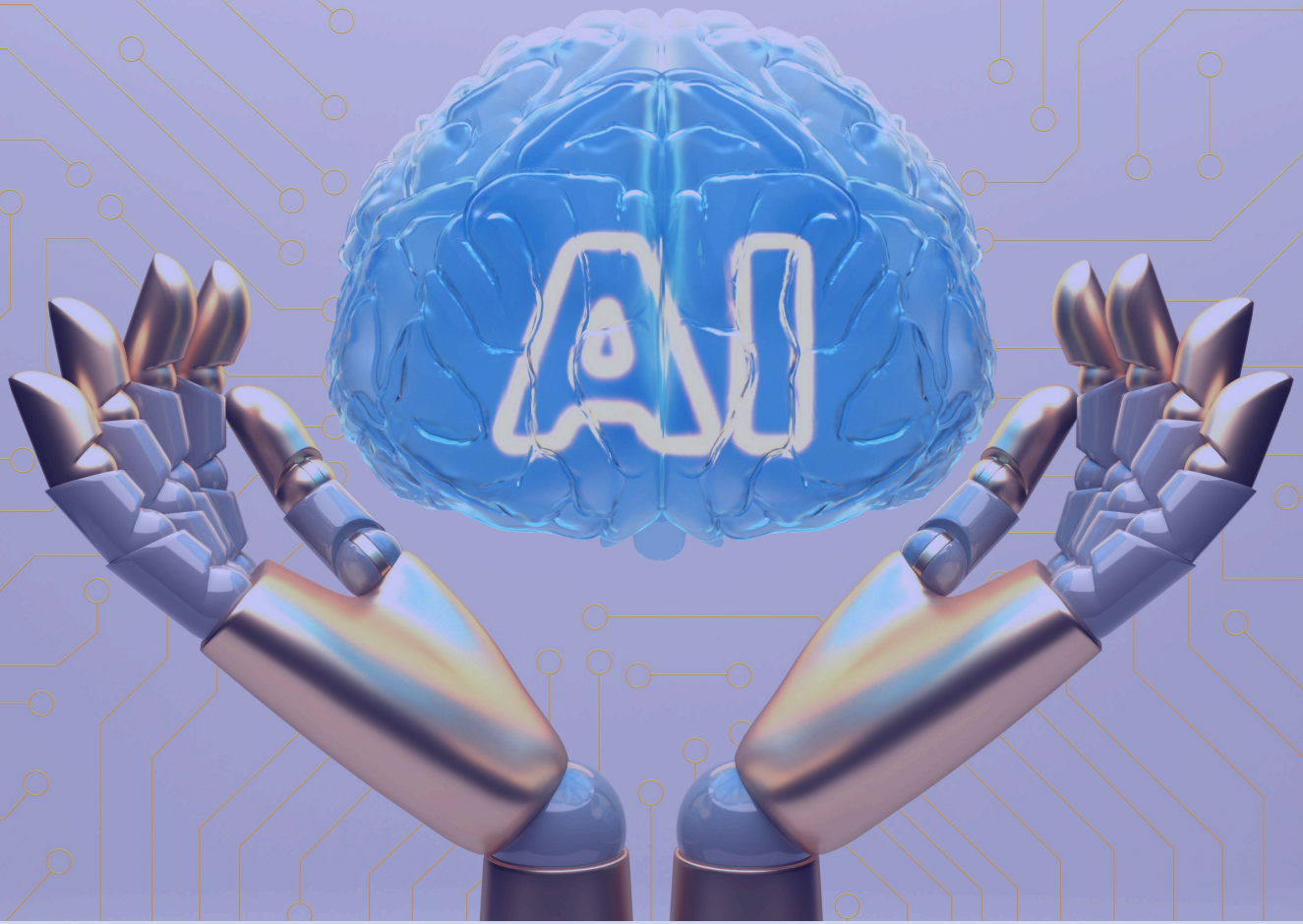


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AI Automation Implementation Roadmap

A Guide To Planning, Deploying, And Scaling
AI Automation

DECEMBER 2025

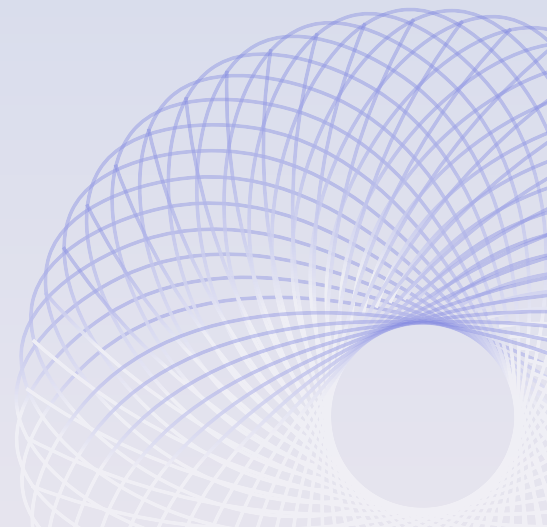
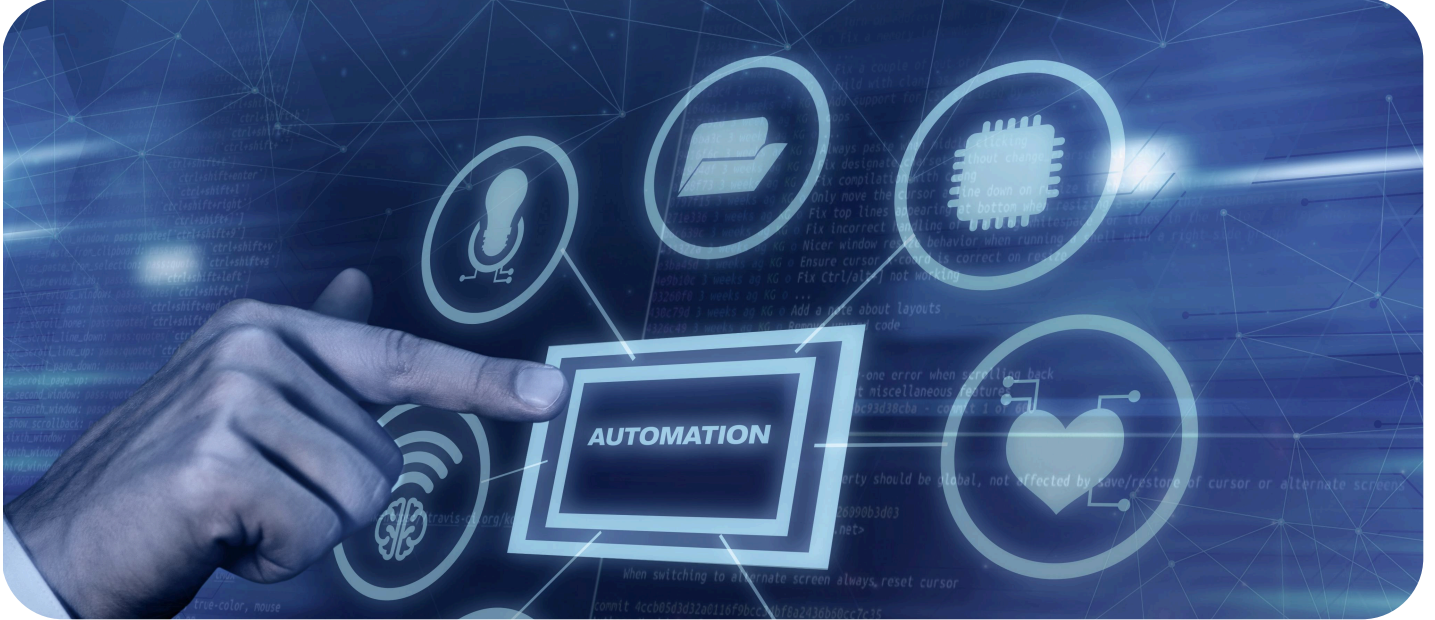


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Introduction



AI automation is no longer a question of trial and error, but rather a question of providing measurable business results. Yet, it is not an easy task to transfer ideas to action because most organizations lack clarity in planning or have unrealistic expectations or make decisions that mainly focus on technology.

The roadmap offers a stepwise plan that can enable businesses to automate AI in a safe, economical and with a definite ROI - without interfering with the current business operations.

Phase 1: AI Readiness Assessment

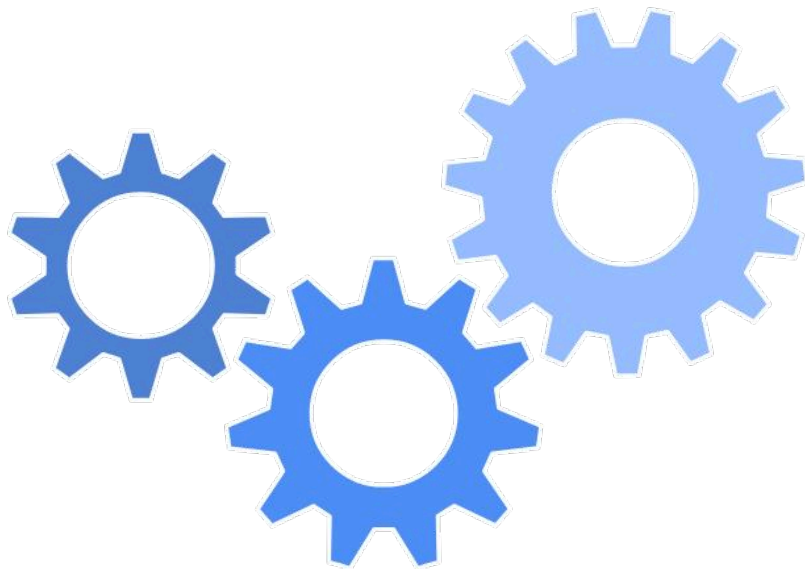
It is important to consider whether your organization is prepared before adopting AI.

Key Questions to Ask:

- Are your processes documented and repeatable?
- Are you able to access clean and reliable data?
- Are the teams wasting time on manual or repetitive work?
- Are you clear on AI initiatives ownership?
- Are security, compliance and governance taken into account?

Output of This Phase:

- List of AI-ready processes
- Data availability and quality assessment
- Risk and compliance considerations



Phase 2: Identify High-Impact Use Cases

Not each process needs to be automated first. The most successful AI initiatives start small and focused.

Ideal AI Automation Candidates:

- High-volume, repetitive workflows
- Rule-based or semi-structured tasks
- Error-prone manual processes
- Processes with clear cost or time benchmarks

Examples:

- Document processing and data extraction
- Customer support ticket handling
- Report generation and summarization
- Approval workflows and routing

Phase 3: ROI & Feasibility Analysis

AI automation should be justified with clear business requirements.

ROI Calculation Framework:

- Current manual effort (hours/week)
- Cost per hour of manual work
- Error and rework costs
- Expected time reduction (%)
- Automation and maintenance costs

Outcome:

- Shortlisted use cases with measurable ROI
- Prioritization based on impact and feasibility

Phase 4: Technology & Architecture Selection

Identifying the correct technology stack is key to long-term success.

Selection Criteria:

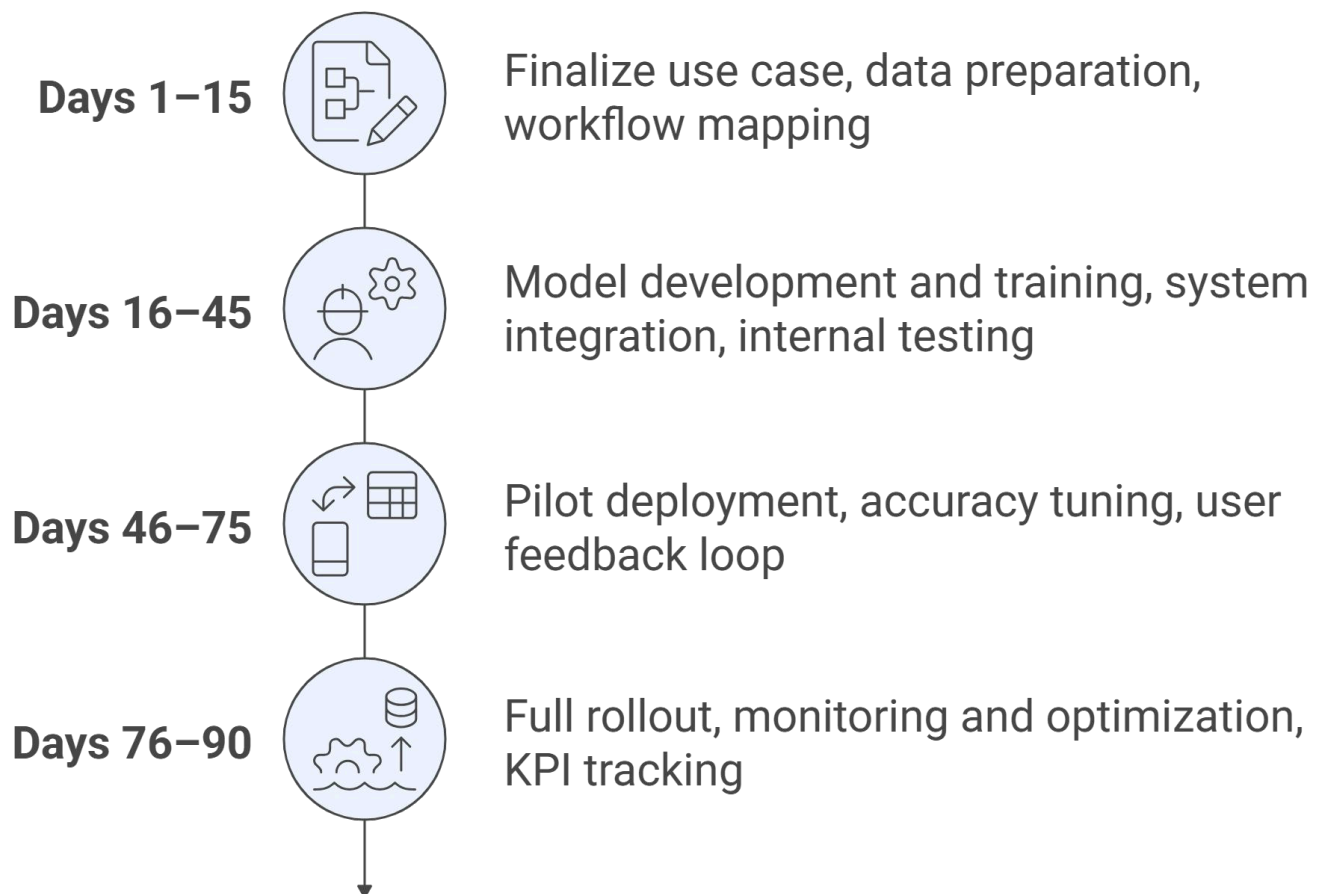
- Ability to handle unstructured and semi-structured data
- Integration with existing systems (ERP, CRM, databases)
- Security and data privacy controls
- Scalability and flexibility
- Support for human-in-the-loop workflows

Key Decision:

Ready-made tools versus artificial intelligence systems tailored to business requirements - depending on complexity.

Phase 5: Implementation Timeline (30–90 Days)

Typical Implementation Plan



Phase 6: Common Pitfalls to Avoid

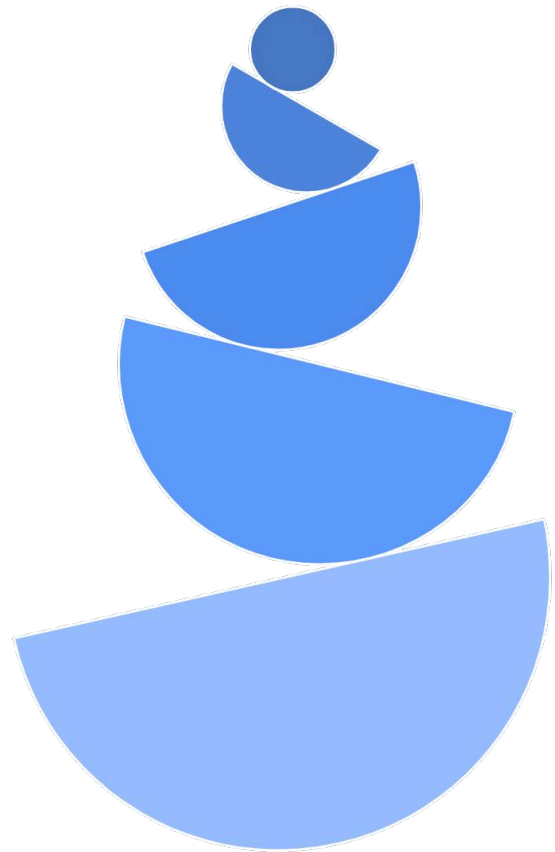
Starting with overly complex use cases

Ignoring data quality issues

Expecting AI to replace humans completely

Lack of change management

No success metrics defined upfront



By avoiding these pitfalls, there is a high chance that rollout will be successful.

Phase 7: Scaling AI Automation

The AI automation can be deployed between departments once the first success is attained.

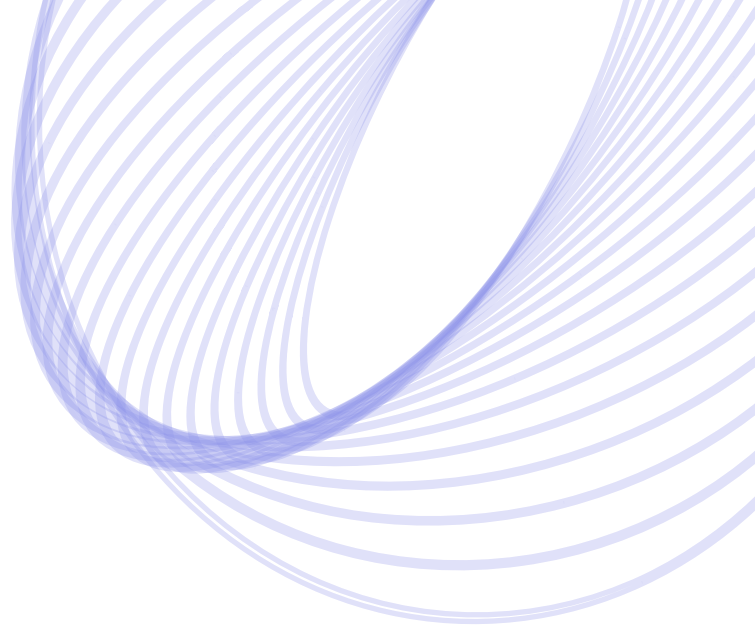
Scaling Best Practices:

- Reuse AI components across workflows
- Continuously retrain models with new data
- Establish AI governance and monitoring
- Measure performance against KPIs regularly

Key Takeaways:

- AI automation works when motivated by business rather than technology hype.
- Starting small delivers faster ROI
- Custom-built AI often outperforms generic tools for complex workflows

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About Perimattic

Perimattic assists organizations in planning, developing, and scaling custom AI automation solutions that integrate seamlessly into real-world business workflows, enabling faster operations, greater accuracy, and quantifiable ROI.

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