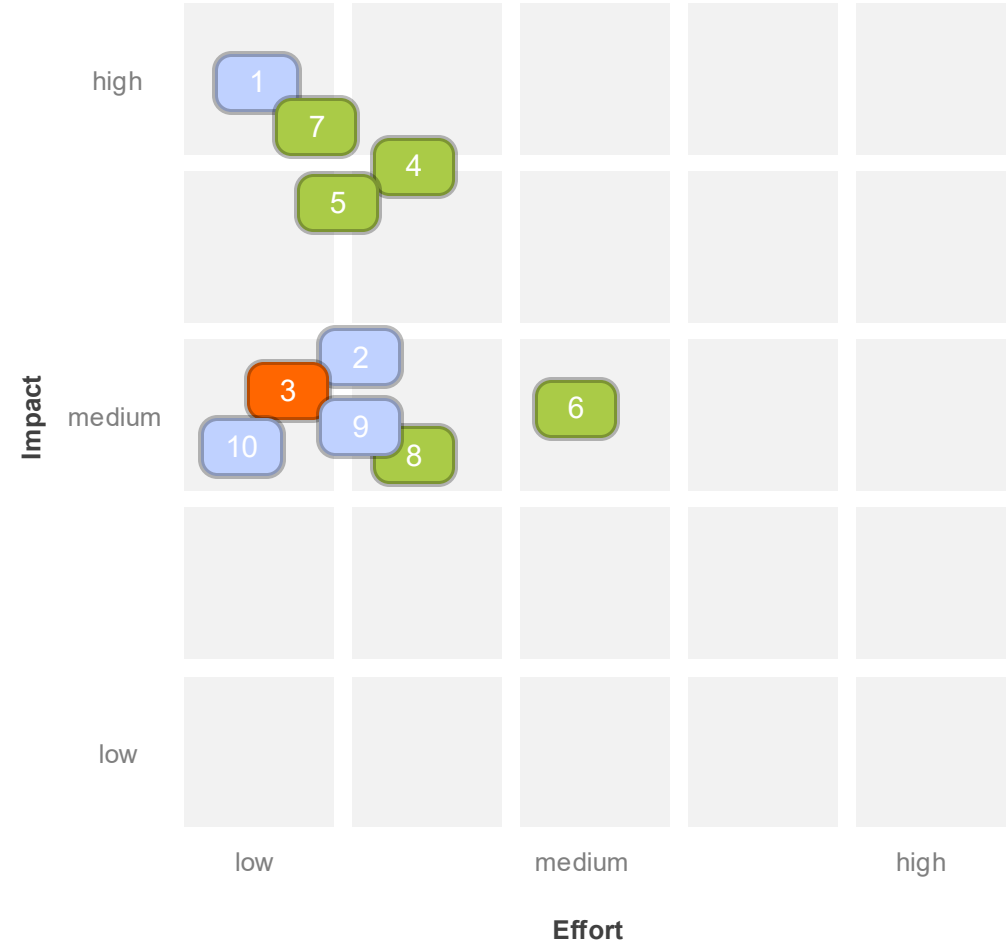


GPT/LLM Use Cases for Pharma Manufacturing (non-GxP)

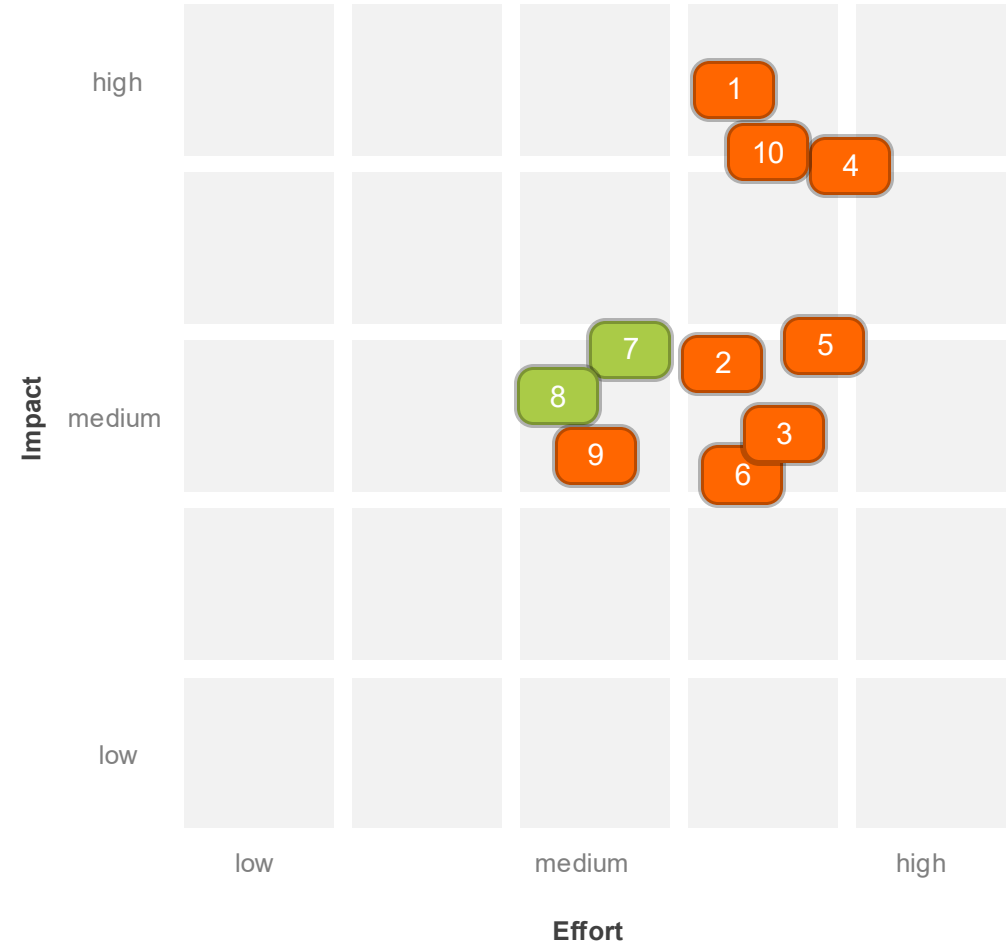
- 1 Writing Assistant**
Drafts/summarizes emails, newsletters, uncritical reports.
- 2 RFP / Proposal Generation**
Drafts responses to client RFPs, prepares capability descriptions.
- 3 SOP Drafting Support**
Generates drafts for SOPs, work instructions, training docs.
- 4 Training & Onboarding Assistant**
Explains processes/procedures interactively.
- 5 Q&A Chatbot for IT/ERP/MES/Support**
Fast lookup & troubleshooting for IT/software issues.
- 6 Planning & Scenario Copilot**
Assists capacity/scenario planning with SAP/GIB data.
- 7 Shopfloor KPI Cockpit & Visualization**
Auto-creates dashboards/reports from SAP/AMS data.
- 8 Continuous Improvement (CIP/Lean) Copilot**
Suggests/tracks Kaizen/Lean improvements.
- 9 Supplier Evaluation/FAQ Chatbot**
Benchmarks/FAQ on suppliers/materials (SAP/QMS-linked).
- 10 Employee Self-Service FAQ**
Handles HR, shift, policy, facility queries for staff.



- Business Support & Administration
- Operations & Shopfloor Enablement
- Quality Management & Compliance

GPT/LLM Use Cases for Pharma Manufacturing (GxP)

- 1 Batch Record Review Automation**
AI extracts key values, flags inconsistencies, and speeds up review.
- 2 Deviation Investigation Support**
Root cause analysis for deviations, surfaces similar historical cases.
- 3 CAPA Recommendation Support**
Proposes corrective/preventive actions for deviations.
- 4 Regulatory Submission Drafting (CMC)**
Drafts CMC sections for CTA/IMP/MAA, etc.
- 5 Automated Product Quality Reports (PQR/APQR)**
Aggregates quality data, generates audit-ready reports.
- 6 Change Control Assistant**
Supports process with data/history; tracks change control.
- 7 Tech Transfer Knowledge Analysis**
Analyzes transfer docs, identifies process gaps for tech transfers.
- 8 Process Development Data Analysis**
Supports DoE/bioprocess analysis, finds critical process parameters.
- 9 Quality Risk Assessment Support**
Assists generation of FMEA/risk assessments.
- 10 Visual Inspection Support**
Assists with manual/auto visual inspection, flags critical cases.



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