1. Establishing the Scope of Automation at SpeedCore

- Objective:
- Transform routine, manual processes into efficient, automated workflows that improve productivity, reduce costs, and ensure high data accuracy across manufacturing operations.

- Focus Areas:
- - Procurement & Supply Chain
- - Inventory Management
- - Production Reporting
- - Compliance Documentation
- - Quality Control

2. Choose Specific Tasks & Processes to Automate

- Target Processes for Initial Automation:
- - Purchase Order Generation: Automate PO creation and approval workflows.
- - Inventory Updates: Automate stock reconciliation and low-stock alerts.
- - Production Reports: Schedule and automate daily/weekly reporting from ERP systems.
- - Quality Check Logging: Capture and store quality inspection data.
- - Customer Service Follow-ups: Auto-generate responses and service tickets.

3. Find the Right Technology Partner

- Criteria for Selection:
- - Deep expertise in manufacturing sector
- - Offers end-to-end RPA solutions (design, development, deployment)
- - Proven track record in ERP integration (SAP, Oracle, etc.)
- - Scalable platform with AI/machine learning capabilities
- - Strong support and training services

- Example Vendors:
- - UiPath
- - Automation Anywhere
- - Blue Prism

4. Implement the First RPA Bot

- Pilot Project: Automating Purchase Order Processing

- Bot Tasks:
- - Extract order requests from email/ERP
- - Validate supplier info and pricing
- - Auto-generate PO and send for approval
- - Log PO into inventory and finance systems

- Outcome:
- Manual process time reduced from 3 hours/day to 15 minutes/day.

5. Measure the Success

- Key Performance Metrics:
- - 85% reduction in process time
- - 40% decrease in operational cost for the task
- - 0% error rate in PO generation
- - Increased employee satisfaction (freed up for more strategic work)
- - Full audit trail generated for compliance

6. Expand Automation Across Other Areas

- Next Areas for RPA Rollout:
- - Automated Inventory Reordering
- - Quality Assurance Data Entry
- - BOM Updates & Version Control
- - Customer Complaint Handling
- - Predictive Maintenance Scheduling

- Goal:
- Build a connected, bot-assisted manufacturing ecosystem that maximizes efficiency and minimizes downtime.