

Lab Automation Roadmap

Diagnostics, Labs & Imaging

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Builds a phased automation roadmap — barcoding, analyser interfacing, autoverification, track systems and middleware — matched to volume and payback. Use it to automate sensibly. For choosing the LIS use the LIS / RIS Selection Guide.

Purpose of this tool & output

Automate as volume grows

How the output is used

Use it to automate as volume grows — a lab-automation roadmap that adds automation where it genuinely pays.

Important cautions

Automate in step with volume — analyser interfacing and barcoding pay off early by cutting transcription errors, but heavy pre-analytical automation only pays at high volume. Validate autoverification rules carefully so abnormal results are not released unchecked.

Companion documents

- LIS / RIS Selection Guide
- PACS & Teleradiology Tech Plan
- Online Booking & Report Delivery Platform
- ABDM / ABHA Integration Guide
- Lab Analytics & MIS Dashboard Plan

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.