puru labs.
PRIVATE LIMITED

Ecosystem Overview
Version 2026.08

HEALTHCARE AUTOMATION SOLUTION

Complete Hospital Automation Platform.

A comprehensive, on-premises-first hospital software suite built for Indian healthcare — covering the entire patient journey, from registration through discharge, and the imaging and communication infrastructure hospitals need to run it.

15	5+
MODULES	VENDOR INTEGRATIONS

CONTENTS

01 What Puru Is
02 Who It's For
03 Why Puru
04 Built for High Footfall
05 Clinical & Operational Modules
06 Frontend Applications
07 Product Family
08 Deployment & IT Operations
09 Deployment Topology
10 Ecosystem Statistics
11 Roadmap

INTRODUCTION

What Puru Is.

Puru is an end-to-end hospital automation platform covering the full patient journey — registration, OPD, IPD, diagnostics (pathology and radiology), pharmacy, HR/payroll, billing, compliance, and patient communication — plus the imaging, teleradiology, and deployment infrastructure that hospitals need to run it.

Built by **Puru Labs Private Limited**, the platform runs on-premises at each hospital, tailored to that hospital's brand, workflows, and rate structures.

AUDIENCE

Who It's For.

- **Small-to-mid multi-specialty hospitals** looking for an all-in-one HMS without stitching together separate vendors for HIS, PACS, LIS, pharmacy, HR, and billing.
- **Hospitals participating in Ayushman Bharat (PMJAY)** who need native, end-to-end claim workflow.

- **Diagnostic centers and imaging chains** needing an integrated RIS + PACS + teleradiology stack.
- **Hospital groups** running multiple sites who want centralized configuration with local operational autonomy.

POSITIONING

Why Puru.

On-premises deployment

All patient data and clinical operations run on hospital-owned hardware. No dependency on internet uptime for day-to-day operations.

Cloud where it matters

Teleradiology, patient DICOM sharing, WhatsApp/email, and compliance reporting use the cloud selectively.

Built for high footfall

Sub-second patient lookup, one-screen billing, zero-lag receipt printing, and multi-desk concurrent operation. Engineered for hospitals running dozens of registrations, admissions, and billings per hour.

Integrated diagnostics

RIS + PACS + DICOM viewer + teleradiology + patient sharing, in one platform. No separate PACS vendor required.

Compliance-ready

GST (GSTR-1/2), Ind AS 115 revenue recognition, PF/ESI/PT statutory reports, audit trails, HIPAA-relevant access controls.

Approval-driven billing

Waivers, service withdrawals, payment mode changes, and charge category changes flow through configurable approval policies with full audit snapshots.

Buy only what you need

Modules are sold individually or as a bundle. Start with a single module — Radiology, Pathology, Pharmacy, or Billing — and add more as the hospital grows, with no re-implementation.

Ayushman Bharat native

Beneficiary verification, pre-auth, claim submission, TMS portal sync, and barcode reconciliation are built in — not add-ons.

SCALE & RESPONSIVENESS

Built for High Footfall.

Both the workstation experience and the platform underneath are engineered for hospitals running dozens of concurrent registrations, admissions, and billings per hour. Speed at the front desk is treated as a first-class feature — not an afterthought.

Speed at Every Front Desk.

~10 sec

Repeat-OPD receipt — patient lookup, session create, payment, printed receipt in the front-desk operator's hand.

23–25 sec

Existing patient search → OPD → billed → printed — lookup by mobile or PPIN, full billing flow, receipt in hand.

- **Sub-second patient lookup** across hundreds of thousands of records — name, phone, PPIN, or Aadhaar last-four.
- **One-screen billing** — no dialog stacks, no page reloads. Add services, apply discount, take payment, print receipt in a single flow.
- **Quick receipt printing** via **Puru Print** (bundled) — deterministic, no spooler lag, works reliably back-to-back through the morning OPD rush.
- **Keyboard-first workflows** — every high-volume action is keyboard-bindable; barcode and QR scanner input is native across registration, pharmacy, and pathology sample collection.
- **Instant token calling** — visual display boards and audio calls fire the moment the front desk clicks "next".
- **Pre-defined forms and templates** — visit templates, prescription templates, and rate presets so a common case takes seconds, not minutes.

Concurrency by Design.

- **Multiple front desks, zero conflicts** — every front desk operates independently. Simultaneous receipts, admissions, and dispensing without lock contention or race conditions.
- **Peak-hour architecture** — heavy background work (reports, cloud sync, notifications, print jobs) runs asynchronously so front-desk operations stay snappy even when the platform is doing a lot in the background.
- **Real-time dashboards without page refresh** — bed board, OPD queue, and pharmacy delivery queue update the instant the underlying event happens; no reload needed.
- **Async cascades for expensive workflows** — financial recalculations, report generation, and cross-service data sync do not block the user-facing operation that triggered them.

Resilient Under Load.

- **Local-first architecture** — every front-desk operation talks to a local database and local imaging store. Peak-hour load is not slowed by internet or cloud latency.
- **Offline continuity** — even if internet drops mid-rush, the hospital keeps registering, billing, dispensing, and reporting. Cloud sync catches up automatically on reconnect.
- **Optimised search index** — full-text patient and service search stays fast as the database grows into the millions of rows.
- **Battle-tested in production** at large-footfall multi-specialty hospitals with heavy OPD, IPD, pharmacy, and radiology throughput.

CLINICAL & OPERATIONAL COVERAGE

Fifteen Integrated Modules.

Each module covers a distinct hospital operation. Hospitals can license modules **individually** (for example, Radiology only, or Pharmacy only) or as a **bundle** (Radiology + Billing, Pathology + Radiology + Billing, or the full HMS). Every module shares the same patient master, permission model, financial ledger,

and audit trail — so adding a module later never means re-implementing existing data.

1 Patient Registration & OPD.

OPD-Mode Billing.

- **Billed on the spot** — every OPD service (consultation, walk-in lab, pharmacy sale, radiology fee) generates an immediate receipt at the point of service; payment is collected in the same interaction.
- **No running balance** — each visit is fully closed at the front desk. Nothing sits pending reconciliation later.
- **Multi-mode payment per receipt** — cash, card, UPI, cheque, bank transfer, or any mix on the same bill.
- **Same-day corrections** — mistaken charges can be voided or refunded within the session without accountant intervention.

Registration & Visit Workflow.

- **Patient registration** with demographics, contact, insurance, and photo capture.
- **PPIN** (Puru Patient Identification Number) — a permanent unique ID per patient.
- **Full-text patient search** across name, phone, PPIN, and address.
- **Patient merge** for resolving duplicate registrations.
- **Patient dashboard** with dedicated OPD and IPD tabs — complete visit and treatment history at a glance.
- **Visit management** — new, follow-up, and revisit workflows.
- **Token system** with priority queues and consultation ordering.
- **Consultation workflow** — doctor assignment, in-consult, done statuses.
- **Prescription generation** — printable, dispatched to pharmacy queue.

2 IPD (Inpatient) Management.

IPD-Mode Billing.

- **Services accrue as unbilled** — every service rendered during admission (bed charges, consultant fees, procedures, drugs, consumables) is captured against the visit in real time as an *unbilled charge*. Nothing is invoiced individually during the stay.
- **Payments held as advance** — for self-pay patients, cash / card / UPI collected during admission is held as an *advance* against the visit (not against individual services).
- **Insurance & scheme cover held as credit** — for insurance, Ayushman, TPA, corporate, or government-scheme patients, approved cover is booked as *credit* against the visit. Credit and advance are tracked separately, so reconciliation shows exactly what the patient owes vs what the insurer/scheme covers.
- **Consolidated hospital invoice at discharge** — all unbilled services (bed, consultant, procedures, drugs, consumables) roll up into a **single hospital invoice**. Advance and credit are auto-offset against the total.
- **Live financial position** — at any point during admission, staff sees "services rendered so far", "advance collected", "credit available", and "current gap or surplus" for the patient.
- **Advance top-ups & credit revisions** — additional advance can be collected any time; insurance credit can be revised as pre-auth updates come in. The running gap warns the front desk when funds are depleted.
- **Discharge clearance** — after applying advance and credit, any deficit is collected from the patient before release; any surplus is refunded in the mode requested; credit is settled with the insurer or scheme.

Admission, Ward & Discharge.

- **Admission workflow** with bed allocation, consultant assignment, and advance collection.
- **Duplicate-admission guard** — prevents accidental re-admission of already-admitted patients.
- **Ward, room, bed hierarchy** with a visual **Bed Board** for real-time occupancy.
- **Bed transfer** with complete inter-ward transfer history.

SIGNATURE FEATURE

Change Charge Category Mid-Admission

Insurance approval came through five days into a self-pay admission? Switch the running admission's rate scheme with a **side-by-side preview** showing exactly what changes and by how much, get approval, and apply — no re-invoicing, no manual line-item corrections, no discharge disputes. Solves one of the biggest sources of last-minute clearance friction in Indian hospitals.

- **Reset unbilled services** — one-click bulk withdrawal of unbilled items on a visit, with approval gating.
- **Discharge process** with clearance workflow and final billing.
- **IPD dashboard** — real-time occupancy, pending clearances, and financial position per patient.

Clinical Care & Documentation.

- **Patient vitals** — structured capture of BP, temperature, heart rate, SpO2, respiratory rate; trend view over admission; automatic critical-value flags.
- **Clinical notes** — categorized progress notes attached per admission (nursing handoff, doctor rounds, clinical flags). Category-filtered retrieval and full audit history.
- **Care tasks / to-do** — assign tasks to nurses or doctors (wound dressing, daily labs, ECG follow-up, drug administration) with due-time and status tracking.
- **Pre-defined prescription templates** — consultants apply a treatment-protocol template (with default drugs, doses, durations) and customize per patient. Cuts prescription entry time dramatically.
- **Drug administration tracking** — records when each prescribed drug is actually given to the patient (separate from dispensing). Complete medication-administration audit trail for compliance and clinical review.

3 Billing, Finance & Approval System.

- **Multi-category charge master** — REGULAR, INSURANCE, INTERNAL, PACKAGE rate schemes per service.

⚡

SIGNATURE FEATURE

Scheduled Rate Changes with Auto-Revert

Publish new rates or promotional discounts with an **activation date** and an **auto-revert date**. Set it once — Puru handles the switch at midnight on both ends. **Example: "20% off all pathology tests from 15–17 August (Independence Day offer)" — set on 10 Aug, applies at midnight on 15 Aug, reverts on 18 Aug automatically.** No overnight rate-editing scramble. No forgotten discounts running past their end date.

- **Bulk rate upload via Excel template** — download an Excel that already contains every service with its *current rate* in one column and an empty *new rate* column beside it. Apply any Excel formula (e.g. `=B2*0.80` for a 20% discount) to generate the new list in under two minutes, then upload it back — the platform previews the diff and applies the change in bulk. Perfect for seasonal pricing, new insurer contracts, or full pharmacy re-pricing without editing hundreds of rows manually.
- **Estimates, receipts, and invoices** — OPD receipts, IPD advance receipts, IPD final invoices.
- **Multi-mode payments** — Cash, Card, UPI, Cheque, Bank Transfer, Online.
- **Advance deposits** — collection, adjustment, refund.
- **Waivers and discounts** — service-level and visit-level, with configurable approval workflow.

SIGNATURE FEATURE

Approval System with Full Audit Snapshots

Every high-risk financial action — **waiver, service withdrawal, payment-mode change, charge-category change** — flows through a configurable approval gate. Each approval captures a full snapshot: **who, what, how much, and why**. Auditors and management can reconstruct any decision months later without asking anyone. Reduces revenue leakage and prevents the "we've always done it this way" governance drift.

SIGNATURE FEATURE

Coverage-Preserving Void

Voiding a payment isn't a one-line write. Puru automatically cascades through the ledger — **if remaining payments no longer cover the services rendered**, the affected charges are auto-withdrawn to keep the books balanced. Prevents silent advance-drift that shows up as ghost dues weeks later. Competitors have "void"; only Puru keeps the ledger correct after it.

- **Ind AS 115 aligned Financial Overview** — Gross Revenue → Discounts → Revenue Recognized model, with waiver utilization lifecycle, credit outstanding vs uncollected split, and consultant-wise revenue grouping.
- **Complete financial audit trail** — every transaction traceable with source, actor, and reason.
- **Cash counting & handover** — end-of-shift denomination counting with supervisor approval.
- **TPA & insurance case management** — track corporate/insurance cases with pre-authorization, claim submission, and settlement workflow (beyond Ayushman). Master of TPAs, per-case rate schedules, and case-level status.
- **Credit settlement** — offset a patient's outstanding balance across multiple visits or admissions, or apply an insurance settlement to earlier open invoices. Prevents advance-drift across long-running patient accounts.

4 Pathology (Lab).

- **Test ordering** integrated with OPD/IPD workflows.
- **Sample collection** tracking from draw to lab.
- **Lab analyzer integration** — bidirectional HL7 and ASTM interface. Works with any standards-compliant analyzer; already deployed with brands including Maglumi, Mindray, Sysmex, Beckman Coulter, and Bio-Rad.
- **Barcode sample tracking** — every collected sample gets a QR/barcode label; scan-to-move workflow from collection → analyzer → verification.
- **Result entry** — structured and free-text.
- **Auto-validation rules** for common tests.
- **Reference range display** with critical value flags.
- **Post-verification QA step** — completed results held for pathologist sign-off before dispatch. Reviewer can approve, comment, or request re-test. Prevents dispatch of un-validated results.
- **PDF report generation** — professionally formatted with hospital branding.
- **Fast continuous printing** — powered by **Puru Print**, the bundled print engine. Ideal for high-volume mornings when a technologist prints dozens of pathology reports back-to-back without spooler lag.
- **Report delivery** via email + WhatsApp with delivery tracking.

5 Radiology, PACS & Teleradiology.

Puru includes a full RIS + PACS + teleradiology stack — hospitals don't need a separate PACS vendor.

Ordering & Worklist.

- Radiology order entry from OPD/IPD.
- **Modality Worklist (MWL)** — DICOM C-FIND SCP so modalities pull the scheduled worklist directly, eliminating manual patient entry at the machine.
- Priority management: STAT, urgent, routine.

DICOM PACS (built-in).

- **DICOM C-STORE SCP** on port 104 — modalities send images directly, no manual import step.
- **DICOM C-FIND / C-MOVE** — any workstation can look up and pull studies by patient, date, or series.
- **Encrypted cloud archival** for long-term study retention and disaster recovery.
- **Multi-site sync** for hospital groups.

Viewing.

- **Puru DICOM Viewer** — modern, web-based, zero-install image viewing that opens in any browser.
- **Patient-facing viewer** at `dviewer.purulabs.com` for shared study links.
- Standards-based desktop viewer support for hospitals that prefer a native client.

Reporting.

- **Internal radiologist worklist** — for hospitals with in-house radiologists.
- **Rich report editor** with template snippets, amendments, and multi-tab drafting.
- **Teleradiology workflow** — for hospitals using external radiologists via cloud.
- **Report templates** with ACL-based sharing and amendment lock check.

- **AI-assisted reporting suggestions** — machine-learning hints (prior comparison, protocol suggestions, findings prompts) surfaced in the reporting editor to speed common reads.
- **Notify Radiologist** — one-click nudge to the assigned radiologist when a study is urgent, when new priors arrive, or when the clinician has added history. Real-time push, no wondering "did they see it?"

SIGNATURE FEATURE

Contextual Chat — Radiologist ↔ Technician

The reporting radiologist and the imaging technician chat **scoped to a specific study** — images, request, priors, and conversation all sit on one screen. No **"which study are you asking about?"** confusion, no lost context. Cuts the callback loops on positioning corrections, protocol questions, and clinical-context requests that eat 15–20 minutes per problem study. Works across on-prem and cloud teleradiology.

SIGNATURE FEATURE

One-Click Study Reassignment — Cloud ↔ On-Prem

A radiologist working on the cloud teleradiology portal reassigns a study to a colleague with one click. The change **cascades back to the on-prem PACS automatically**, re-opens the study if it was already completed, and updates the assigned queue in real time — no phone calls, no manual re-queueing, no "who's reading this?" chaos that costs SLA compliance.

Patient Sharing.

- **Shareable DICOM links** — send a WhatsApp/email link that opens a DICOM viewer on the patient's phone. No app install.

puru. Pixel — DICOM Film Printing.

- **Dedicated desktop app** for high-quality DICOM film composition and printing.
- Multi-image film layouts with brightness/contrast/window controls per pane.
- **3D MPR / MIP** rendering for advanced radiology output.
- Works with any DICOM-conformant film printer.

- Standalone — runs on the reporting workstation, connects directly to the local PACS.

External HIS Integration.

- **HL7v2 MLLP** — receive radiology orders from any external HIS. No re-entry, no manual reconciliation.
- **FHIR R4** support for modern HIS interoperability.
- **External accession number preservation** — the order number from the external HIS flows through to the study record, the modality worklist (MWL C-FIND response), and every generated report header. Referring physicians and downstream systems see one consistent identifier.
- **Bidirectional cross-HIS reporting** — completed reports can be sent back to the originating HIS in the required message format.
- **Employee cross-reference** — external HIS user IDs are mapped to Puru employees so ordering-doctor attribution stays correct across systems.

6 Pharmacy.

- **Comprehensive drug master** — therapeutic classification, generic/brand mapping.
- **Drug interaction alerts** and controlled-substance schedule tracking.
- **Multi-store inventory** — central store + department stores with per-store visibility.
- **Batch and expiry tracking** — FEFO (First-Expiry-First-Out) dispensing.
- **OPD sales counter** — walk-in customer sales with printed bill.
- **IPD dispensing** — bedside medication with charge-to-patient.
- **Prescription filling** — doctor prescriptions arrive on the pharmacy queue automatically.
- **Drug delivery queue** — a live board of dispensed medicines moving from "ready for delivery" → "delivered". Cuts the front-desk "where's my medicine?" traffic.
- **Red-flag stock alerts** — proactive alerts for stock-count mismatches, near-expiry batches, and below-reorder-level items, each with a handler-action workflow.
- **Stock Dashboard** — nightly snapshot vs ledger deviation detection with one-click reconciliation.
- **Stock Audit** feature for physical stock verification.
- **Pharmacy P&L reports** — profit-and-loss dashboards for pharmacy operations (sales, COGS, margin by supplier or drug).
- **GST-compliant** — GSTR-1 and GSTR-2 report generation.
- **Loyalty and institutional schemes** with utilization reports.
- **Purchase workflow** — POs, GRN with quality check, purchase returns, rate contracts.

7 Inventory & Purchase.

- **Stock control** across multiple stores with real-time levels.
- **Multi-level indent approval** — department requisitions with role-based sign-off.
- **Purchase orders** with vendor performance tracking.
- **GRN with quality check** and batch assignment.
- **Purchase returns** for defective or excess items.
- **Vendor management** with rate contracts.
- **Supplier analytics scorecard** — per-supplier metrics on on-time delivery %, defect rate, cost trend, and lead time. Objective input to vendor renewal and rate negotiations.

8 Asset Management.

- **Fixed asset register** — equipment, furniture, IT assets.
- **Preventive maintenance scheduling.**
- **AMC tracking** with expiry alerts.
- **Depreciation tracking** for financial reporting.

9 Human Resources & Payroll.

- **Employee lifecycle** — onboarding through exit.
- **Document management** — ID proofs, certificates, contracts.
- **Organization structure** — departments, designations, reporting lines.
- **Salary structure** with configurable earnings and deductions.
- **Monthly payroll processing** with arrears management.
- **Statutory compliance**: PF, ESI, Professional Tax, TDS, Form 16, PF returns.
- **Biometric attendance integration** with manual override.
- **Shift and roster management.**
- **Leave management** — CL, PL, SL, LWP with accrual rules.
- **Bank file generation** for salary disbursement — HDFC, ICICI, SBI, and other formats.
- **HR letter generation** — bilingual (English/Hindi) with a dedicated template manager. Generate individual language or both.
- **Employee loans** — issue, schedule repayments, track balance, and auto-deduct instalments from payroll. Full loan-lifecycle to settlement.
- **Ad-hoc payments and recoveries** — one-off bonuses, incentives, or recovery deductions outside the regular salary structure, with approval trail.

10 Consultant Payout.

End-to-end revenue-share management for visiting and on-roll consultants — from what's owed, to approval, to payment.

- **Consultant payout dashboard** — a single view of every consultant with amount owed for the period, alongside patient count, top services, and payment status.
- **Per-consultant detail page** — revenue trend, service-mix donut, top services, top patients, and full transaction drill-down.
- **Configurable revenue split rules** — service-level, category-level, or consultant-level splits (e.g. 60/40 on OPD consultations, 50/50 on procedures).
- **Automatic split calculation** — every billed service accrues to the consultant based on the split rules; no manual reconciliation.
- **Split edit and create — fully audit-logged** — every change to a split is traceable to a user, time, and reason.
- **Approval workflow** — draft → submit for approval → approved → paid. Each state change is captured on the ledger.
- **Mark-paid** — flag a payout as paid with reference number (cheque, UPI, bank transfer), which reflects on both the consultant view and the finance ledger.
- **Financial ledger integration** — payouts appear on the financial overview under Ind AS 115 revenue recognition, so consultant revenue never becomes a shadow-book.

11 Ayushman Bharat (PMJAY).

Native, end-to-end PMJAY workflow.

- **Beneficiary verification** via Aadhaar.
- **Package selection** from PMJAY package master.
- **Pre-authorization** submission and approval tracking.
- **Auto-generated claims** at discharge.
- **Claim submission and status monitoring** with rejection handling.
- **Ayushman TMS Portal sync** — a Chrome extension bridges the TMS portal to Puru HMS.
- **Ayushman Barcode Reconciliation** — multi-step data-fix tool for barcode mismatches, duplicate services, and bulk invoice generation.

12 Patient Communication.

Email.

- Email delivery with a rich template manager for hospital-branded messages.
- Bulk sending with delivery status tracking.

WhatsApp Business API.

- Text and media messages.
- **Pre-approved template messages** for appointments, results, discharge, payments.
- Webhook handling for incoming replies and delivery reports.
- Complete message audit log.

Automated Notifications.

- Appointment reminders (OPD/IPD).
- **Result delivery** — pathology and radiology reports sent as PDF via WhatsApp/email.
- **Payment receipts** on transaction.
- **Discharge summaries** on discharge.

Daily Stakeholder Digests IN BUILD.

- **Auto-generated daily summaries** — OPD counts, IPD census, revenue, collections, top-performing services, pending clearances, and GST snapshot delivered to owners/administrators via WhatsApp and email every morning.
- Configurable recipients per report and per hospital branch.

SIGNATURE FEATURE

QR-Based Real-Time Report Tracking

Every OPD/IPD receipt prints a QR code. Patients scan it with any phone camera and see their report status live — **sample collected → in analysis → report ready → dispatched** — as it happens. No login, no app install. When the report is ready, the same page becomes the download link. Kills the "is my report ready?" phone traffic that clogs every hospital front desk.

13 In-App Messaging.

- **Full-page chat** and floating action button in the main HMS UI.
- **Radiology study conversations** — hospital + reporting radiologist can chat per study.
- **Real-time delivery** via WebSocket bridge.
- **Edit/delete with time windows.**
- On-prem-backed for hospital side, cloud-backed for the radiologist side.

14 Reports, MIS & Analytics.

- **MIS V2 dashboards** — executive, finance, operations, GST, report center with an interactive data grid.
- **Sales dashboards** (pharmacy).
- **Consultant payout dashboard.**
- **Stock dashboards** (pharmacy).
- **Financial reports** — Ind AS 115 revenue recognition, aging, outstanding, collections.
- **Operational reports** — OPD/IPD statistics, occupancy, turnaround times.
- **GST reports** — GSTR-1, GSTR-2.
- **Payroll reports** — salary registers, bank statements, statutory returns.
- **Excel export** for all reports.
- **Interactive analytics dashboards** embedded for drill-down insights on demand.

15 Operation Theatre & Surgical Workflow

IN BUILD.

End-to-end surgical booking, resource scheduling, and procedure documentation. Currently in active development.

- **OT calendar** — visual booking board across multiple theatres, showing consultant, procedure, patient, and prep-time slots.
- **Surgical booking workflow** — book from IPD, confirm consultant availability, allocate anaesthetist and OT team, capture patient consent.
- **Pre-op checklist** — surgeon, anaesthetist, and nursing sign-offs (WHO Surgical Safety Checklist compatible).
- **Intra-op record** — procedure notes, implants used, sample tags, blood transfusion log, timeline of key events.
- **OT consumables tracking** — automatic deduction of drugs, sutures, implants from OT sub-store; direct link to patient billing.
- **Post-op orders** — recovery instructions, follow-up plan, drug orders auto-pushed to IPD.
- **Theatre utilisation reports** — occupancy, turnaround time, delays by consultant/procedure.

CLIENT INTERFACES

Frontend Applications.

Main HMS UI.

The primary hospital-user interface: registration, OPD, IPD, pathology, radiology, pharmacy, billing, inventory, HR, MIS, Ayushman — everything runs through here. **Fully tailorable per hospital** — custom branding, feature toggles, and rate configurations per site.

Modern Radiology / Pathology Console.

A cloud-native console for radiologists and pathologists. Fast, standalone, no Java backend dependency. Includes a rich WYSIWYG report editor with template support and

voice dictation.

Teleradiology Portal.

Radiologist-facing web app with the Puru DICOM viewer for browser-based image viewing. Hospital management, radiologist workload distribution, and reporting productivity metrics.

Patient DICOM Sharing Portal.

Standalone lightweight teleradiology app powering patient-facing shareable DICOM links, delivered via WhatsApp/email.

PRODUCT FAMILY

One Brand, Multiple Products.

Puru Pixel and **Puru Print** ship bundled with any Puru deployment — they're not sold separately.

puru.

puru labs.

Hospital Automation Platform — master brand

pixel.

puru pixel.

DICOM Film Printing — bundled with radiology

print.

puru print.

High-throughput print engine — bundled system-wide

Puru Print is a dedicated print engine that ships with every Puru product. It's what makes continuous report printing — pathology worksheets, radiology reports, receipt runs,

discharge documents — fast and reliable, even when a workstation is churning through dozens of documents in a row.

DEPLOYMENT

How Puru Runs.

Your Data Stays With You.

- **On-premises deployment** — every hospital runs its own self-contained installation on hospital-owned hardware. Patient records, financials, DICOM images — all stored locally.
- **No internet dependency for daily operations** — OPD, IPD, pharmacy, billing, and radiology all continue serving during internet outages.
- **Data sovereignty** — patient data never leaves hospital premises without explicit configuration for a specific feature (e.g. teleradiology).
- **Low-latency, high-throughput** — the software talks to a local database and local imaging store, so bed-board loads, report searches, and pharmacy lookups feel instantaneous even in busy hours.

Zero Effort for Hospital IT.

- **Fully managed by Puru's operations team** — hospitals do not need to hire or train IT engineers to run the platform. Puru handles setup, upgrades, monitoring, and support.
- **Remote-managed updates** — the entire platform can be updated centrally without a hospital-side technician on premises.
- **Guided site setup** — a checklisted, repeatable rollout process, so every new hospital comes online with the same reliability as an existing site.
- **Central health monitoring** — Puru operations sees service health across all deployments and can react before hospital staff notice a problem.

Backup & Business Continuity.

SIGNATURE FEATURE

Real-Time Backup with Automatic Offline Continuity

Every database change and every DICOM image is captured **continuously**. If internet drops during the morning OPD rush, the hospital keeps registering, billing, and dispensing without noticing — cloud sync catches up **automatically** on reconnect. A failure never costs more than a few seconds of work; an internet outage never stops operations.

- **Daily and incremental snapshots** — restore-to-point-in-time capability for the previous 30+ days.
- **Off-site backup copies** — configurable replication to hospital-owned off-site storage so a site-level disaster (fire, theft, hardware failure) never means lost patient data.
- **Long-term image archival** — DICOM studies are moved to encrypted long-term storage so hospitals can retain years of imaging without local disk pressure.

Cloud Where It Adds Value.

- **Teleradiology** — external radiologists read studies from anywhere without needing a VPN into the hospital.
- **Patient-facing DICOM sharing** — one-tap image links that work on any patient's phone.
- **WhatsApp and email delivery** — automated report, receipt, appointment, and discharge notifications.
- **Central configuration** — brand, rates, feature toggles, and policies are managed from a single source of truth, so a hospital group can standardise across sites.
- **Real-time cross-site sync** — for hospital groups running multiple locations, a study or a patient in one site is visible in another instantly.

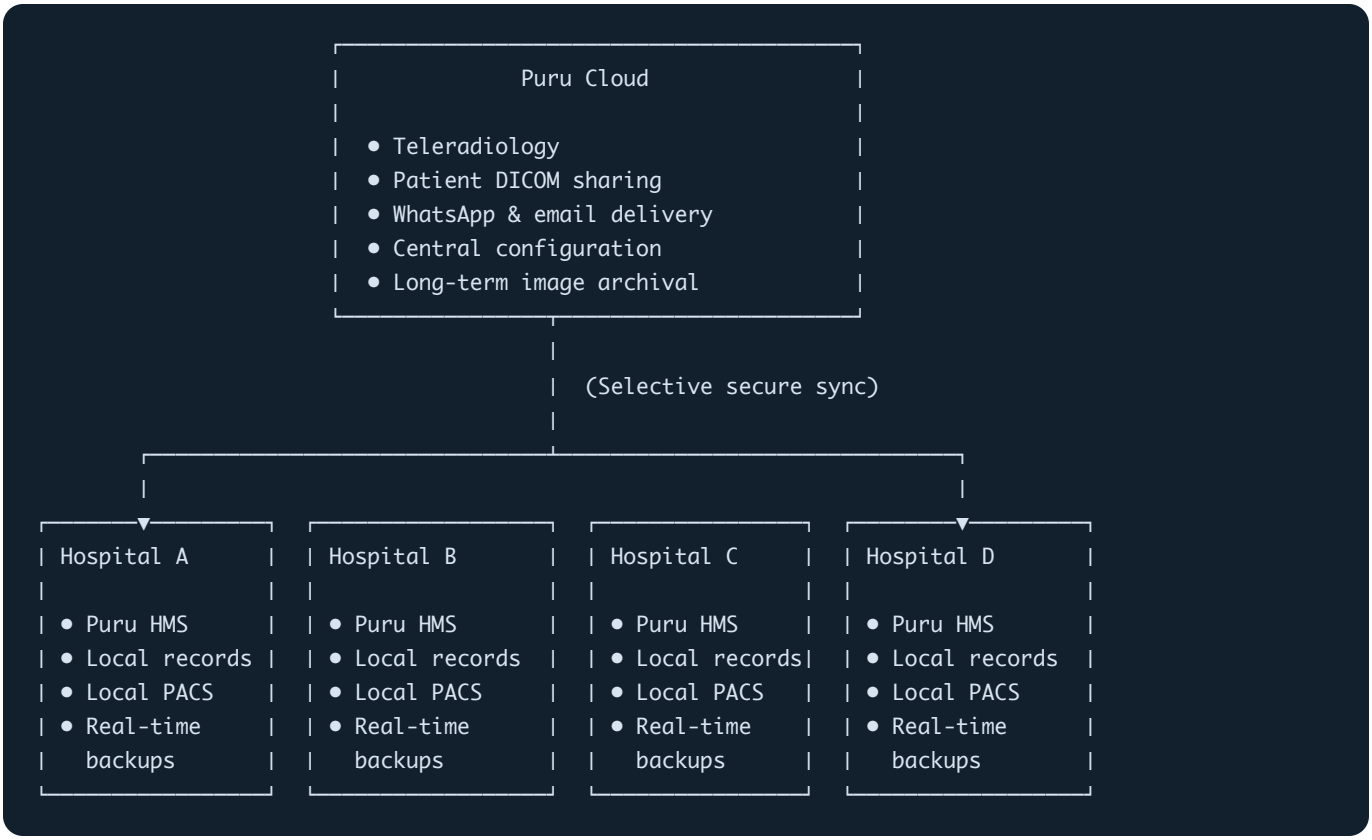
Security & Compliance.

- **Encrypted authentication** with automatic token expiry and revocation.
- **PIN-based quick login** for clinical staff at busy stations, without weakening password policy.
- **12+ predefined roles** with granular per-module, per-action permissions.

- **Multi-department assignment** for staff who work across areas.
- **Encrypted intranet HTTPS** — every browser-to-server call inside the hospital is encrypted, with a guided in-app installer for staff machines.
- **Complete audit trail** — every financial and clinical action traceable to a user, time, and reason.
- **Approval-gated high-risk actions** — waivers, voids, refunds, category changes.
- **Failed login tracking** and IP-based access logging.
- **Modern password policy** — complexity enforcement and industry-standard encrypted storage.

TOPOLOGY

Deployment Model.



Each hospital operates independently. The cloud layer is used only for cross-hospital features and centralized configuration.

BY THE NUMBERS

Ecosystem Statistics.

METRIC	VALUE
Integrated modules	15
Lab analyzer interface	HL7, ASTM (any compliant analyzer)
External HIS integration	HL7v2, FHIR R4
Predefined user roles	12+

MOMENTUM

Roadmap.

Recently Shipped.

- Approval System (waivers, voids, mode changes, category changes)
- Ind AS 115 aligned Financial Overview
- Coverage-Preserving Void
- Reset Unbilled Services (IPD)
- Change Charge Category (IPD)
- Ayushman Barcode Reconciliation Utility
- Stock Dashboard (pharmacy)
- Internal Radiology Reporting
- Patient DICOM Sharing via WhatsApp/email
- HR Letter Generation (bilingual)
- Consultant Payout (dashboard + approve/mark-paid)
- HL7v2 Integration for external HIS
- Config Centralization
- In-App Messaging system
- Cash Counting & Handover

In Build.

- Operation Theatre & Surgical Workflow module
- Daily Stats notifications (WhatsApp / email digests)

On the Roadmap.

- Ayushman barcode Step 4 (void-FT for invoiced duplicates)
- Link Share admin dashboard

puru labs.

PRIVATE LIMITED

Complete Hospital Automation Platform

REACH US

WEB	purulabs.com
EMAIL	hello@purulabs.com
CONTACT	**Mr. A Jain**
PHONE	+91 95609 36464

OUR OFFICES

CORPORATE	B-371, Kendriya Vihar, Sector 51 Noida, Uttar Pradesh · 201301
REGISTERED	H3, Gayatri Nagar, Makronia Sagar, Madhya Pradesh · 470004