

Arb-Flow Hospital Management System - Version 0.015 Feature & Changelog

This document summarizes all major features and recent changes implemented in the Arb-Flow Hospital Management System.

Key Features

1. Robust Multi-User Role System

- **Super Admin:** Full control over all data and ability to create Service Providers.
- **Admin:** Manages users within a specific Service Provider (Clinic/Hospital).
- **Front Desk:** Handles patient registration and billing.
- **Care Professional (Doctor):** Manages patient consultations, history, and prescriptions.
- **Access Control:** Users are restricted to their assigned “Service Provider”, ensuring data isolation between different clinics using the same software.

2. Service Provider Management (Multi-Tenancy)

- **Create Providers:** Super Admins can add new Clinics/Hospitals via a popup modal (collecting Name, Email, Phone).
- **Data Isolation:** Patients and Consultations are tagged with a providerId. A doctor in “Clinic A” cannot see patients from “Clinic B”.
- **Dynamic Contact Details:** PDF reports automatically display the specific Clinic’s Name, Email, and Phone instead of generic system defaults.

3. Patient Registration (Front Desk)

- **Rapid Registration:** Streamlined form for capturing patient demographics and billing info.
- **Duplicate Check:** “Check Existing” feature allows searching by phone number before registering.
- **WhatsApp Integration:** Automatically generates a “Welcome” WhatsApp message link upon successful registration.
- **Real-time Badge:** Shows the logged-in user’s role and assigned Clinic name (e.g., “ City Clinic”).

4. Doctor Consultation Module

- **Live Queue:** Real-time list of patients waiting for consultation (filtered by “Open” cases).
- **Patient History:** View all past consultations for the selected patient.
- **Clinical Notes:** Structured fields for Vitals, Chief Complaints, History, Diagnosis, and Investigation.
- **Medication Management:**

- Add multiple medicines with Dosage, Duration, Quantity, and Instructions.
- Auto-calculates total quantity based on dosage (Morning/Afternoon/Night) and days.
- **PDF Prescription Generation:**
 - Professional medical report format.
 - **Arb-Flow Branding:** Navy Blue & Lime Green theme.
 - **Watermark:** Transparent logo watermark behind the text.
 - **Dynamic Contacts:** Shows the Doctor's Clinic contact info.
 - **Table Layout:** Clear, boxed sections for Diagnosis, History, etc.

6. IPD Management Module (New!)

A comprehensive In-Patient Department system designed for seamless ward management.

- **Visual Bed Management:** Interactive grid view of all beds, color-coded by status (Available, Occupied, Maintenance).
- **Admission Workflow:** Streamlined admission process linked to patient registration.
- **Active Patient Tracking:** detailed view of all currently admitted patients with their bed location and treating doctor.
- **Clinical Rounding:** Add daily progress notes and vitals directly to the inpatient record.
- **Discharge Management:** One-click discharge process that automatically frees up the bed and archives the admission history.
- **Ward Filtering:** Easily filter beds by Ward/Room type (General, ICU, Private, etc.).

Recent Changelog (v2.1 Updates) - Release Notes

Design & Branding Overhaul

- **New Logo System:** Integrated the new **Arb-Flow** identity with a primary full logo and a medical symbol emblem.
- **Login Experience:** Redesigned login page with a modern **Glassmorphism** effect, split-screen layout, and high-contrast branding.
- **Doctor's Dashboard:** Added a direct “**IPD / Wards**” quick-access button for seamless transition between OPD and IPD.
- **Consistent Theming:** Unified color palette across all modules using the new Navy Blue & Teal brand colors.

Advanced PDF Reports

- **Professional Header:** Now features the **Full Brand Logo** and a refined “Online Medical Record” title.
- **Smart Layout:** Improved spacing and alignment for patient demographics and clinical data.
- **Watermark:** Added a high-quality, phantom-style watermark of the Arb-Flow logo for authenticity.

- **Developer Credit:** Subtle footer credit (“System Developed by ARBAZ GAZGE”) added to generated reports.
- **Bug Fixes:** Resolved opacity rendering issues that caused text to appear washed out.

System Enhancements

- **IPD Integration:** Added “IPD Nurse” role and dedicated navigation paths.
 - **Cross-Module Navigation:** Doctors can now switch between OPD Consultation and IPD Wards with a single click.
 - **Performance:** Optimized load times for bed grids and patient lists.
 - **Security:** Enhanced role-based routing to ensure users land on their specific dashboards (e.g., Nurses -> IPD, Doctors -> Consultation).
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Status: IPD Module is Live. PDF Generation is Optimized. Branding is Consistent.