AVISA

SMART HOSPITALS

Smart Healthcare Ecosystem Transforming Smart Patients & Smart Hospitals

Who
Are we?

AVISA is a Technology driven healthcare aggregator platform bridging the gap between patient and hospital by automation and Smart Infrastructure; solving all the pain points of a Patient Journey with a 360-degree approach covering the entire life-cycle of patient care.

What Problem we are solving :

Pain points of Patients

Pain points of Doctor

Pain points of Hospital

Pain Points
Patients

Look for the **right hospital & for the right doctor**

Registration and long waiting Queue

Hassel in Booking **Doctor Appointment**

Reports sharing with doctors

Confusion in **Booking an ambulance**

Storing of medical records and handling reports and prescription files

To delayed screening of **disease & diagnosis** leading to array of lab tests

Confusion in ordering **Lab tests** through multiple apps

Right Counselling for admission

Confusion in **ordering medicines** through multiple apps

Only Admission **process and patient journey**

Long bills and insufficient funds

Insurance Approval Process
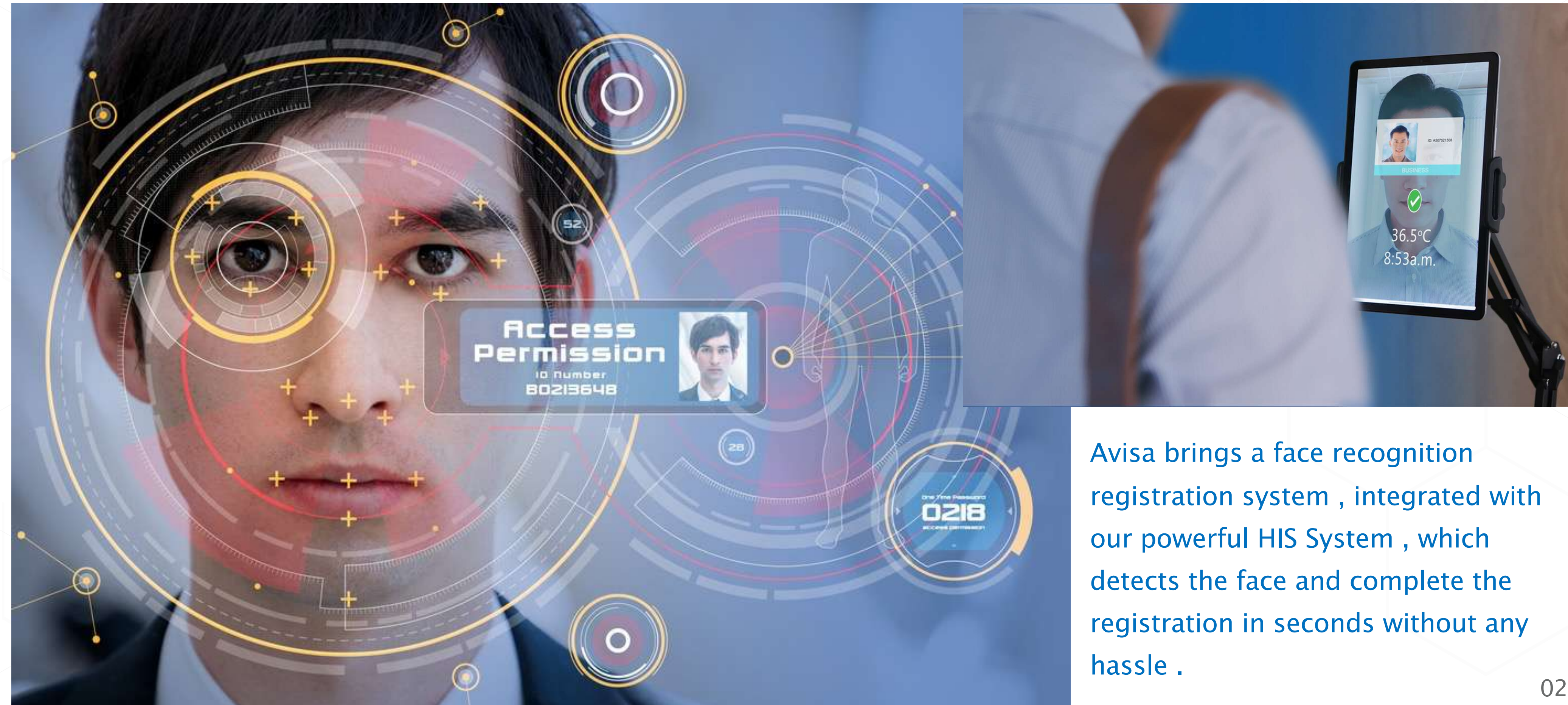
Delayed **discharged**

Long waiting queue at the **registration counter**

Patient counseling, education & awareness

Long waiting at **doctor's consultation**

Right Connect to ask and **discuss their problems & difficulties**

Face
Recognition
Registration

Avisa brings a face recognition registration system , integrated with our powerful HIS System , which detects the face and complete the registration in seconds without any hassle .

Robotic Interactions & EMR :

With Avisa's revolutionary Robotic Patient interaction system , a Patient can interact and get resolved all his queries in seconds with our deployed Robot at counter.
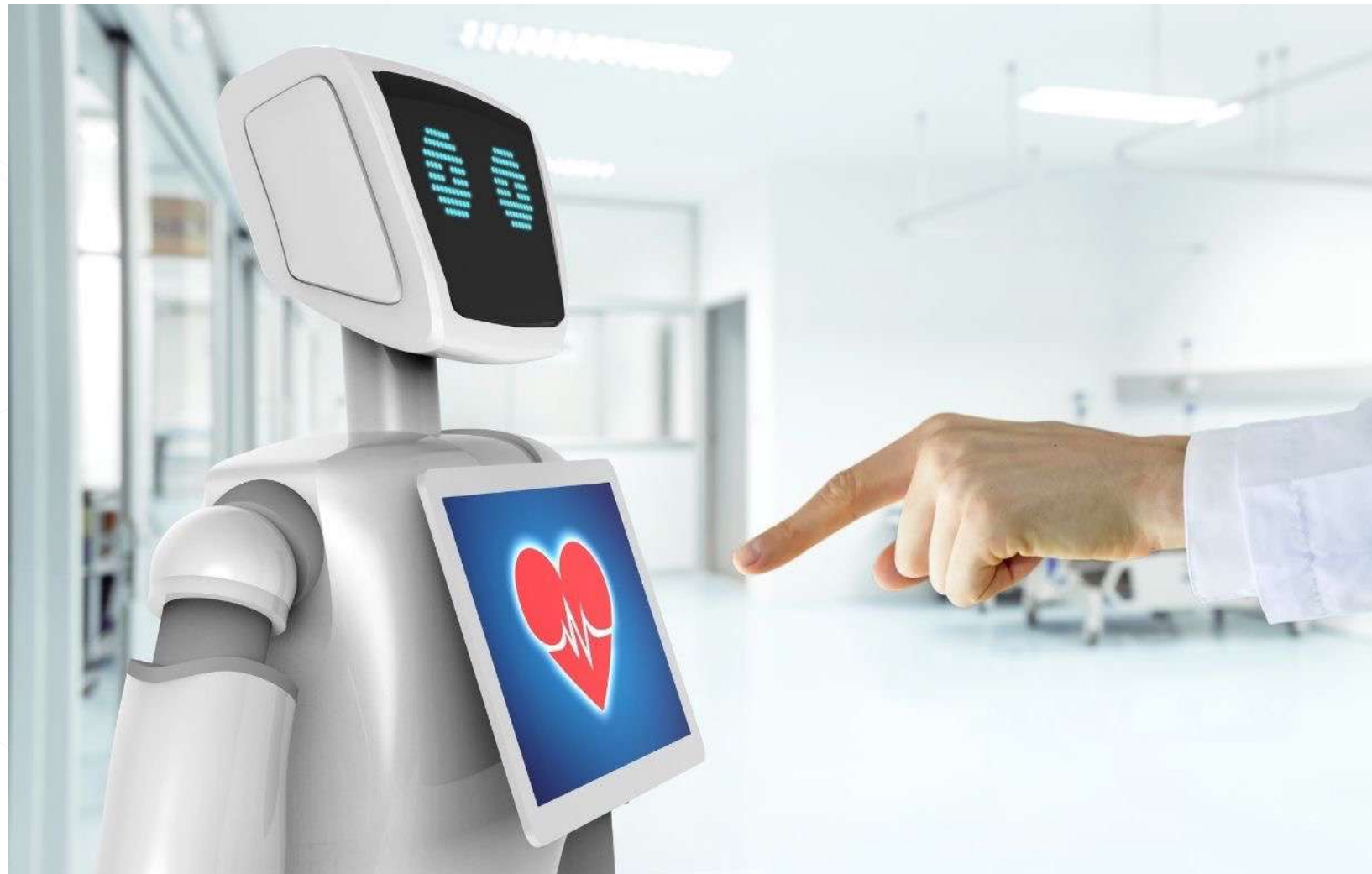
Doctor received the input from patient and get all information in EMR or even for tele-consultation .

One–stop solution
AVISA (Patient Engagement Platform for Hospitals)

Ensuring seamless booking

Book an online appointment

Auto registration (OPD)/
Queue Management

Patient Awareness and Rewards

Ambulance service on fingertips

Buy medicines from
Hospital Pharmacy

Book Lab tests from
Hospital Lab

Online Video consultations with
Hospital Doctors (telemedicine)

Ensuring smooth treatments

Reports & prescription record
management

EMR integration

Automated
Insurance Approval

Quick discharge

Cashless treatments through insurance

24/7 live support for AVISA smart
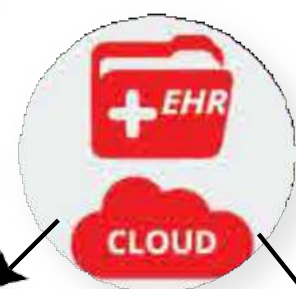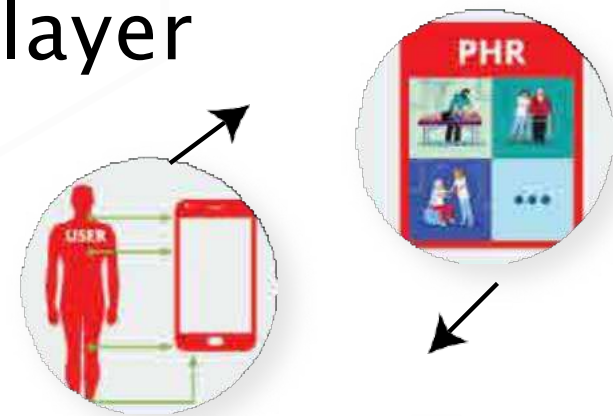hospital patients

Patient Medicine & Checkup
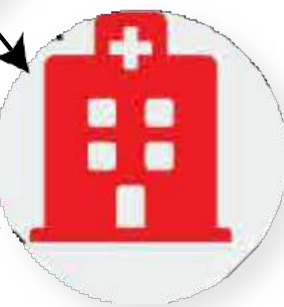Reminders

Technology behind
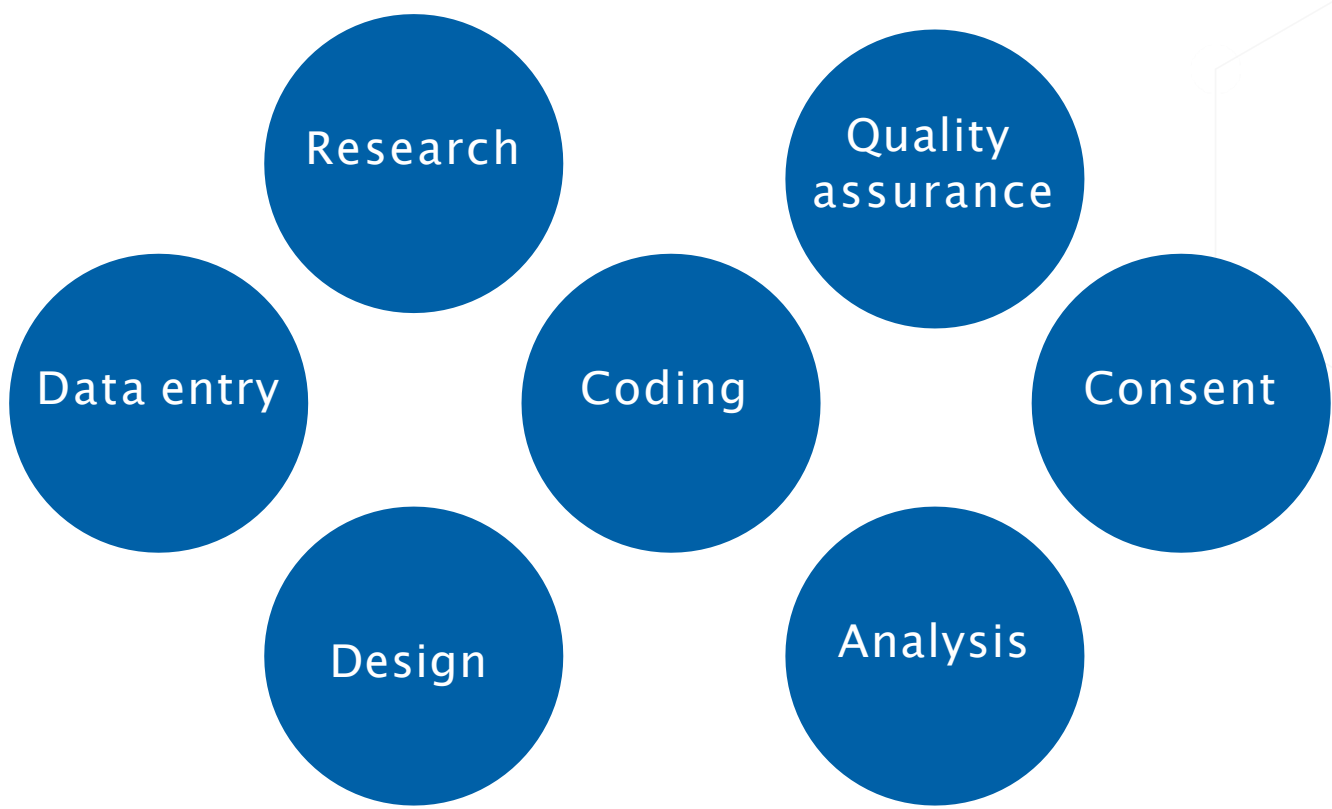## Smart health card

Leveraging AI/ML

Data users layer

Physician
Researcher
Government
Company

Research

Quality assurance

Data entry

Coding

Consent

Design

Analysis

Data management

Blockchain Cloud

Healthcare provider A

Healthcare provider B
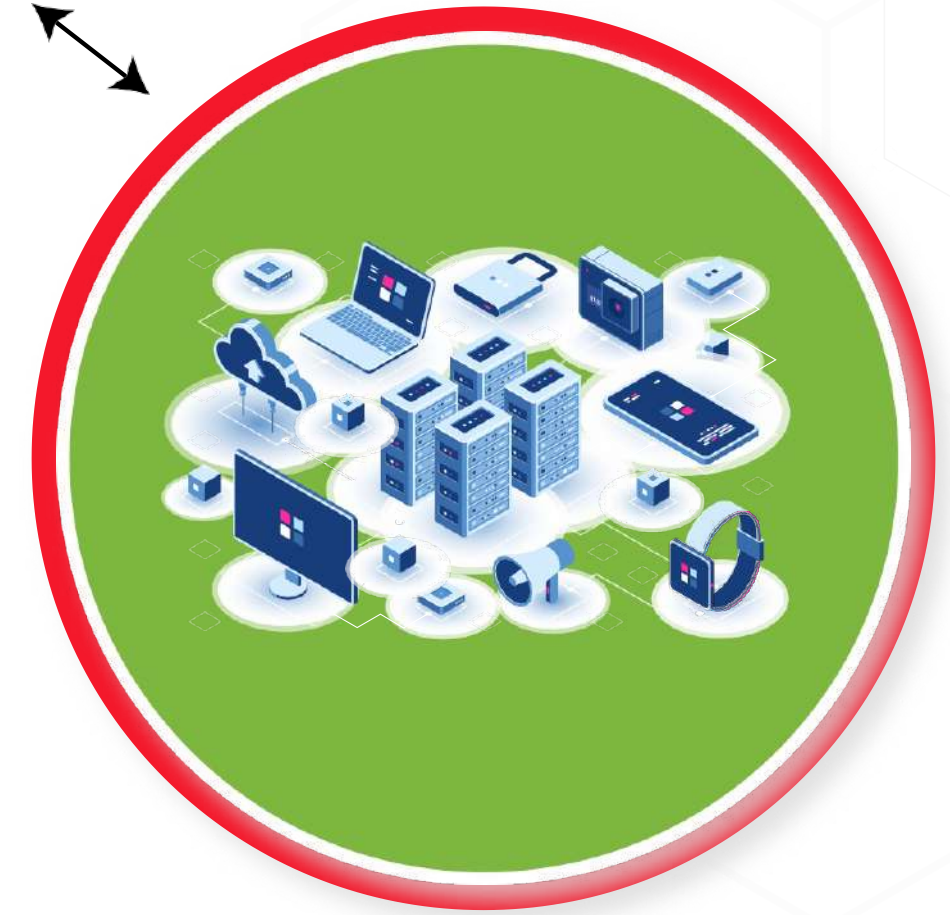
AVISA
Smart Hospitals Mobile App Patient Benefits

Location

Booking of hospital

Booking of Doctor's consultation

Online treatment consultation

Booking of Lab diagnostics

Online Reports & Results

Buying Medicines

Patient education, awareness & consultations

Managing own EMR & Prescription
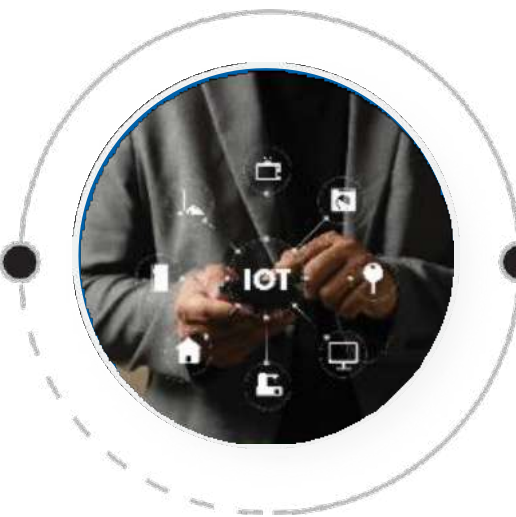
Online payments & give feedback

How Do We Achieve This?
Functionality Aspects Of Avisa

Telemedicine

Consult your doctor online & share all your records online for better and improved consultation
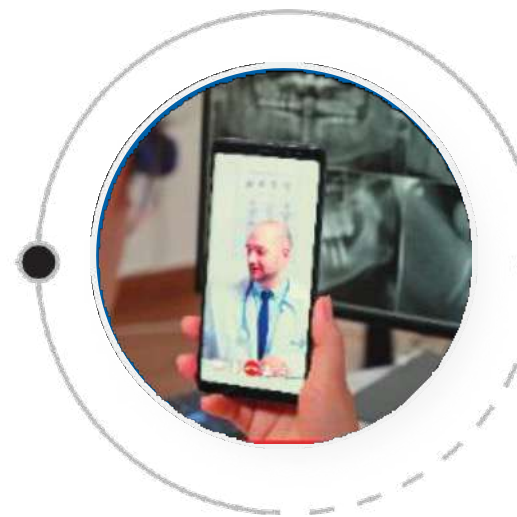
EMR

Store all your health records at single place, no need to carry large files

Automated Insurance Solutions

With AVISA HIS System, and Patient Engagement Platform, the insurance approval becomes automated, which reduces the hassle of undergoing long waiting time and avoid multiple process.

Patient Monitoring System & Follow up

AVISA Smart IOT Devices Keeps a Track of Every Patient to keep a proper care of each patient for better retention.

AVISA Support Systems 24/7 Call Centres for

AVISA Smart Hospitals Extensive Call Centre to answer all queries of patient and bringing a seamless journey at hospital.

Lab & Pharmacy Orders

Avisa Integrates the hospital pharmacy and Lab , with patient portal and app, which makes the patients easy to order at door step.

AVISA
Takes care of their Patients at home also

AVISA Patient Monitoring system enables patients to monitor their data and connect to Avisa system to reach doctors and hospitals automatically.

12Lead ECG by Touch or Lead

Mental health HRV

Blood Oxygen Spo2 and Heart Rate

Contact Less Body Temperature

OLED Screen,WiFi,Bluetooth

Work with and Without Smartphone

1Year Free Door step replacemnet

Stress Monitoring Ring:

Sleep & Stress Management
(Sleep Apnea)

Stress Trends ●
Everyday views of your key body metrics.

Blood Oxygen ●
Measures blood oxygen levels while you sleep.

Respiratory Rate ●
Check your respiratory rate while you are sleeping.

HRV ●
Monitor HRV & analyse key body analytics.

Heart Rate ●
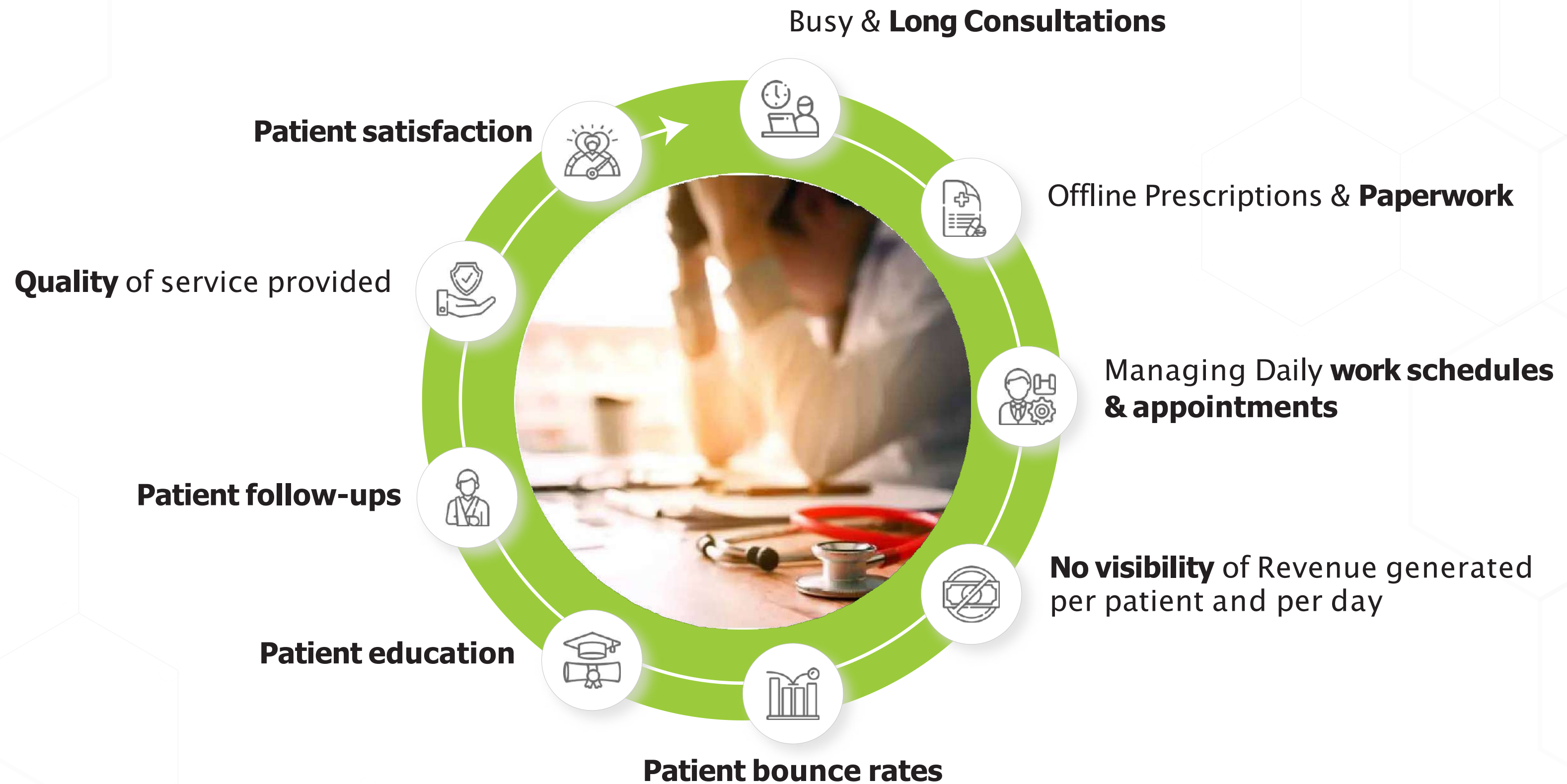Follow your heart rate from morning to night.

Steps Count ●
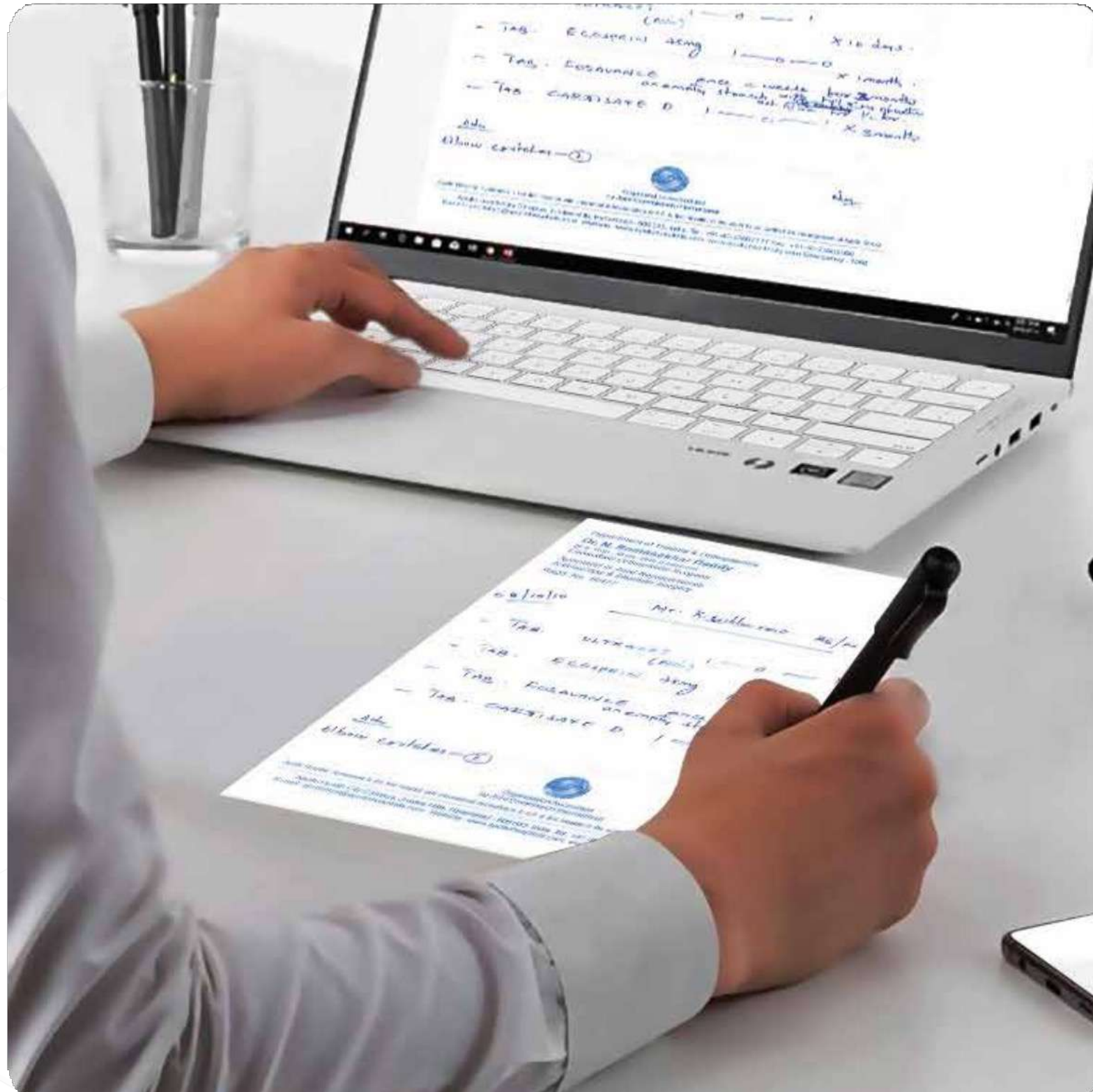Monitor your activities & fitness.

💧 Water Proof
Shock Proof

Pain points
Doctors

Busy & **Long Consultations**

Patient satisfaction

Offline Prescriptions & **Paperwork**

Quality of service provided

Managing Daily **work schedules & appointments**

Patient follow-ups

No visibility of Revenue generated per patient and per day

Patient education

Patient bounce rates

Digital
Prescription For Doctors

Digital Pen used for electronic prescriptions

Prescriptions get auto uploaded to the patient profile and HIS

Ensure timely records without missing information
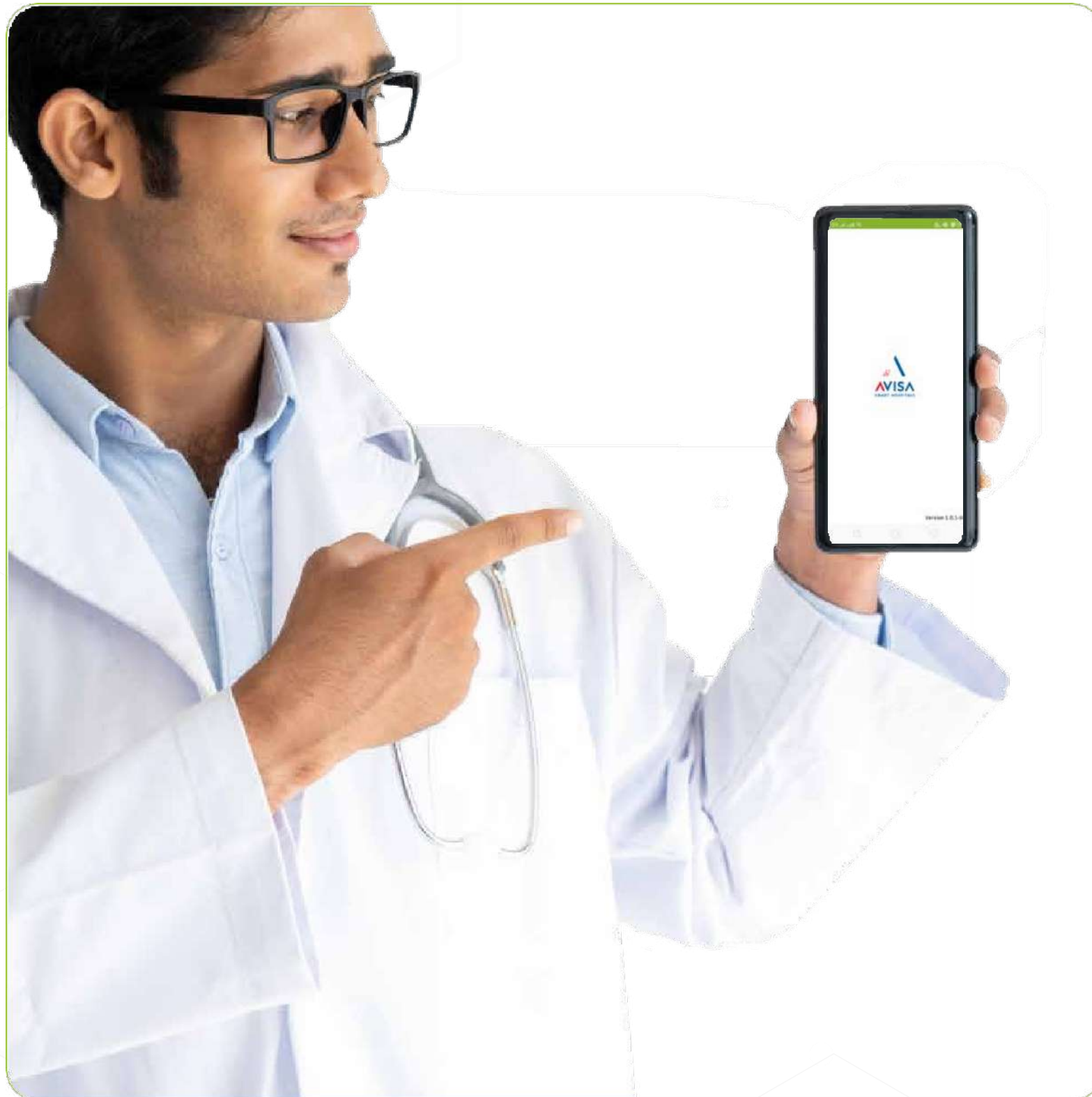
Paperless transactions ensure less clutter

Pharmacy issuing any variant salts tracked for individual attention

Maintaining the comfort of doctor by writing in pen and paper with digitization

Doctors'
App For Avisa

Doctors get timely notifications of appointments

Better calendar management

Digital prescriptions seamlessly merge with the patients' app, HIS, Pharmacy and Diagnostics

Instant access to patients' transactions with the Hospital, Pharmacy, Diagnostics and Home Care
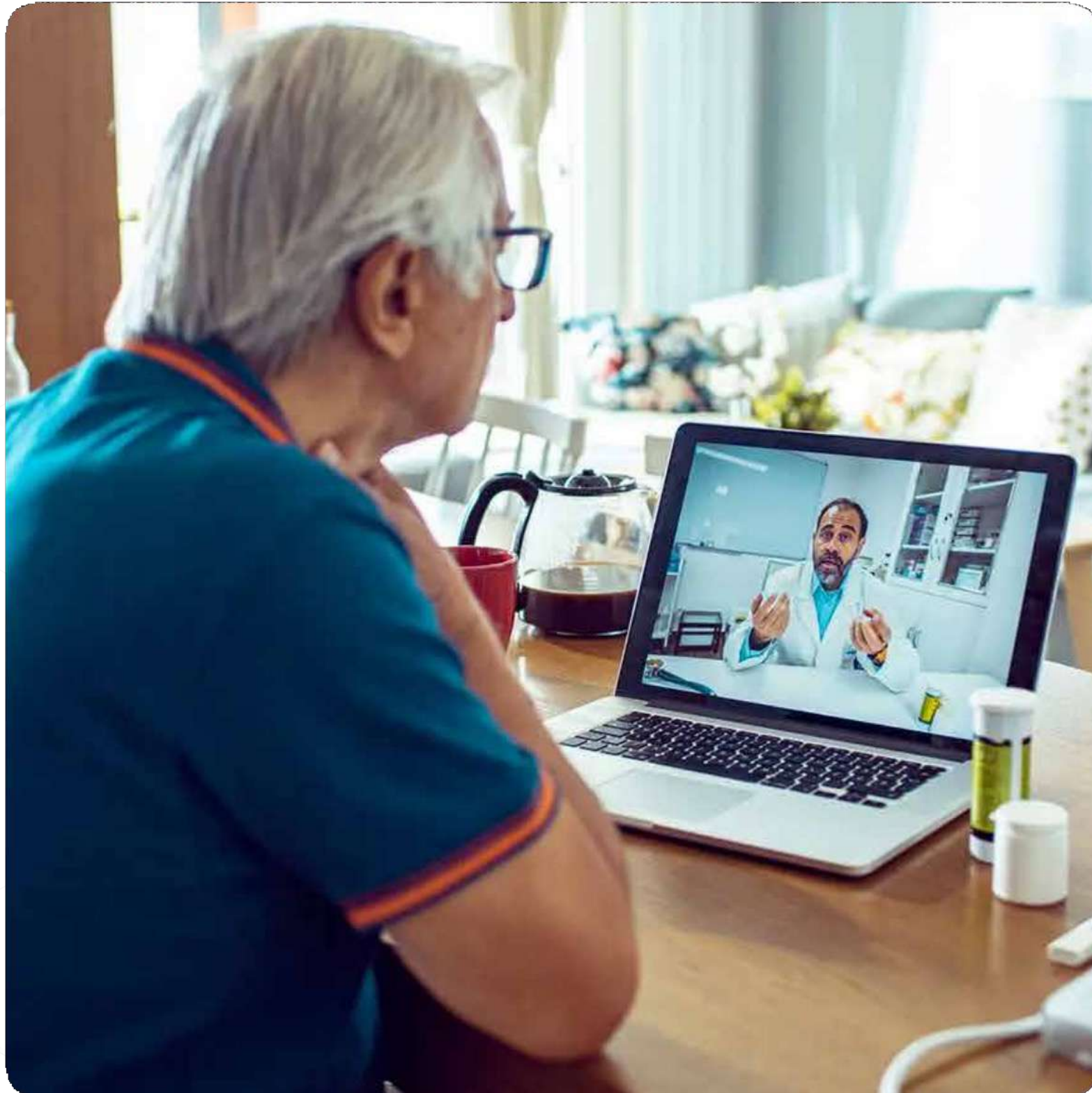
Follow-ups are easier with EHR

Notifications and ease of management for admissions and discharge processes

Telemedicine
(Video Consultations)

Doctor gets dedicated app for Tele–Consultation

Doctor can consult the patient through video platform

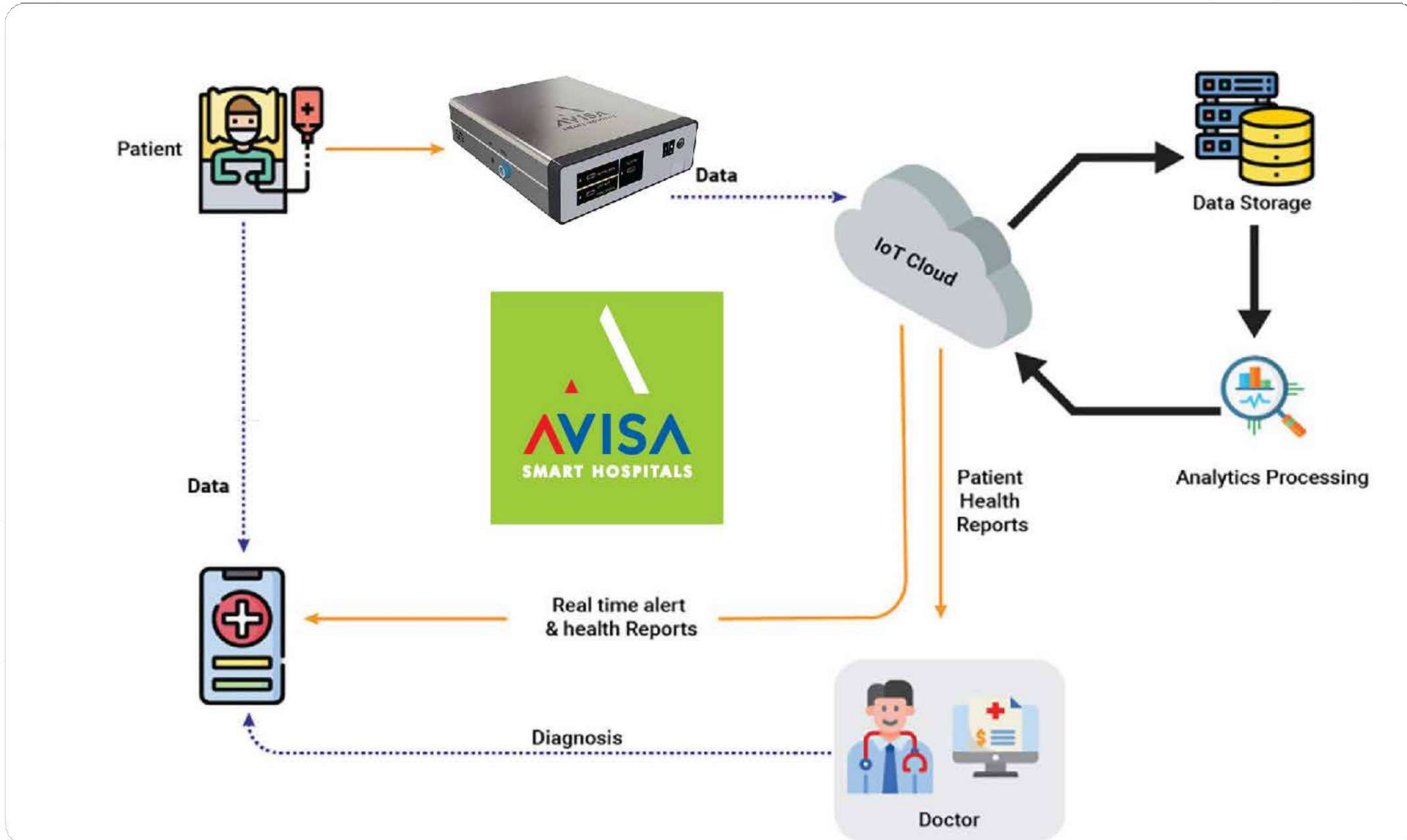Doctor can use digital pen to write the prescription

Doctor can also use EMR system for creating prescription

Our Integrated module with CPOE function
also allows doctor to reduce typing .

Doctor can view the statistics of the patient
dealt with them .

Medical
IoT Device

Medical
IOT Device

Our medical IOT device is a state-of-the-art, portable health monitoring system, when paired with our AVISA app allows caretakers to test and track vital signs of elderly patients. The results are shared in real-time with the family doctor who can respond quickly using video consultation features. Using our medical IOT device, following parameters can be checked

Vitals

- ECG
- Blood pressure
- Blood glucose
- Oxygen saturation
- Heart rate
- Respiratory rate
- Temperature

30+ rapid blood tests

- Chikungunya
- Typhoid
- Dengue
- Malaria
- T. cholesterol
- CRP
- D-dimer
- Haemoglobin
- Hepatitis B

- HIV 1& HIV 2
- Leptospira
- Syphilis
- Hepatitis C
- Troponin
- S. Uric acid
- Urine protein analysis
- Urine pregnancy test

Solution
For doctors with Doctors app/ DocPen & Medical IoT device

- Can manage schedules & appointments

- Remote patient monitoring

- Teleconsultation

- Digital prescription & EMR – providing all patient's history in a single window

- Identifying the revenue leakage

- Sharing patient education through video, brochure, or audio recording

- Medical IOT device for faster screening & provisional diagnosis

- Increased visibility & marketing

- Increased patient inflow

- Digital prescription maintaining their comfort of writing in pen & paper

We have made our Patients & Doctors Smart, **but what about hospitals?**

Pain
Points of Hospitals & Medical Centers

No patient **Education**/ awareness/ counseling/ follow–ups/ grievance	**Patient engagement platform &** apps with all patient care services at a single platform	**Complicated & unorganized , Manual Insurance Process**	**Poor Quality** of patient services & care
Patient bounce rates and lack of patient retention	**Revenue leakages** in hospitals impacting the growth due to lack of automation	Lack of efficient **operation & financial** process due to lack of MIS reports	**Lack of technology implementation** for Improved access to healthcare services
Operational **inefficiency** in hospitals	Lack of **interconnected systems** in hospital	Lack of efficient system or **process flow** in healthcare	Lack of Pharmacy supply chain monitoring resulting in leakage in inventory management.
Lack of Home healthcare Service	Automation & **Digitization** of system	Lack of right approach on Patient **acquisition & retention**	**Digital presence** of hospital

Our
Offerings add a range of benefits to Hospitals

What we offer to Hospitals :

- A Complete HIMS
- A Robust EMR
- Electronic Health Record for Patients
- Book online Lab and Pharmacy
- Smart Health App for all patients
- 24/7 Customer Care Support
- Automated Insurance
- Home care services
- 2 Avisa Manpower for Patient Retention
- Aggressive Digital Marketing
- Rapid Test IOT Device – 30 test
- Pharmacy Supply Chain management
- Digital prescription
- Patient Monitoring device
- Patient awareness
- MIS Reports for hospital performance

Benefits for Hospitals :

- Auto registration for patient
- Queue management
- Appointment Live Tracking
- Patient Retention
- New Patient Acquisition
- Increase in Revenue
- Patient Monitoring System
- IPD Patient Notifications
- Revenue Optimization
- Link Equipment's with HIMS for Quick Data sharing
- Patient Follow ups after discharge
- Admission counselling and assistance
- Medicine & Appointment reminder
- Reduce Patient Bounce Rates
- Consolidated Supply Chain
- Patient Electronic Health Record

Avisa HIMS Modules
Departmental Modules

Clinical Dashboard
For Medical Directors/CFO
Clinical Data Analysis & Research,
Population Health

Operations Dashboard
For Operations Head/COO/CEO
Stats, Occupancy, Revenue, Collection,

Inventory Dashboard
For Store Managers/SCM Heads
Reduce pilferages, inventory control

Finance Dashboard
For Finance Managers/CFO
ARPOB, ARPOP, Revenue loss, Package gain/loss

Audit Dashboard
For Quality Champion/Clinical Auditors
Operational & Clinical KPI tracking

Smart
Proposition For Smart Hospitals

A robust AVISA HIS & EMR System

AI based Smart Patient Engagement Platform

Smart integration of all hospital equipment to HIS

Online connectivity with patients with all healthcare service through dedicated App & Portal

AVISA IOT device Installation for Patient Monitoring System

Aggressive Digital Marketing, Press release, Patient Review through AVISA platform

AVISA Skilled PCC to Interact & Deal with Admin/I department & Patients to adapt to technology & seamless journey with Hospitals

Tele-consultation with hospital doctors .

AVISA
SMART HOSPITALS

Data–Driven model with AVISA Smart Hospitals

Patients

Doctors & Hospitals

Predictive analysis of disease

Predictive analysis of Medicine consumption

Forecast on geographical disease pattern

Behavioral Pattern of Patients

Budget allocation for Doctors as per predictive disease pattern

Medicine allocation and procurement as per analysis to avoid expiry of medicines

Better Patient management and awareness & life–saving

Smart Diagnostics gives forecasted disease pattern

Predictive Income Pattern of Hospital

AVISA Smart Hospitals
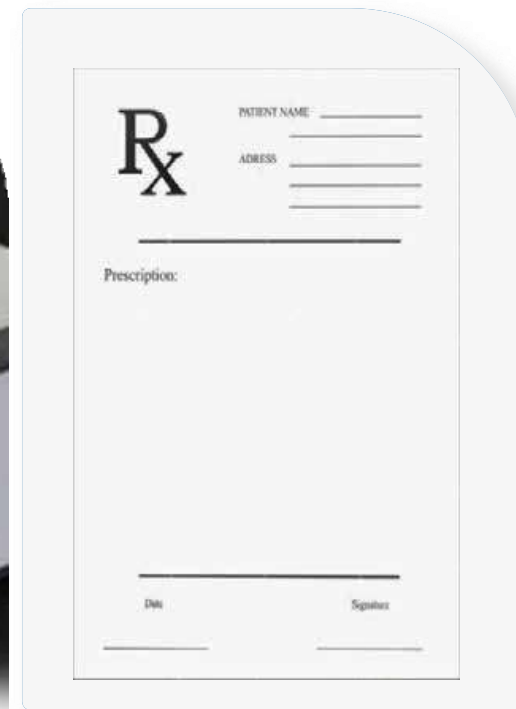## Patients Journey

OPD Journey

Patient walk–in

Face Detection

Capture vitals in IoT

Doctor consultation– Digital prescription gets stored in the patient app

Trigger sent to pharmacy & diagnostics–
Helps with identifying bounce rates & revenue leakages
Patient can directly book lab service at the lab counter or at home– no need to stand in a queue at the registration counter again

Patient walks home – happy and satisfied

If patient did not avail in hospital services–patient can avail such services at comfort of their home with our Avisa smart health card app

Patients Journey

IPD Journey

Availability of beds/average treatment cost– can be checked through the app

If advised for admission – in hospital counseling with PCC or patient can go home and talk to AVISA customer care for making informed decisions

Interactive screen for Patients to interact with Nurse, Doctor

Faster discharge with automated insurance & TPA desk

Constant support with AVISA customer care for any queries/grievances etc."

AVISA ROBUST HIS SYSTEM WITH BROAD MODULES

| ADT | A/R | Asset Management | Billing | Bio Bank | Bio Medical | D/C Summary | DayCare | Diagnostics Admin | Diagnostics | Diet | Doc Manager | Emergency | Front Office |

| General Items | HL7 Manager | House Keeping | ICU | Incident Report | Inventory | IVF | Kitchen | Lab Medicine Admin | Lab Medicine | Masters | MIS Report | MRD | Nursing |

| Operation Theatre | Outreach | Package And Plans | Pharmacy | Physician | Pre Admission | Queue Tree | Rehabilitation | Security | Sample Collection | Template | Transfusion Medicine | WalleTree | Exit |

HIS - END TO END FEATURES FOR ENTIRE HOSPITAL FUNCTIONS

BI Dashboards
Financial, Operations, Quality, Clinical Research, Inventory

Mobility
MobiHISTree (Physicians App), Patient Portal, F&B/Diet, Feedback, Audit App

Interoperatbility
(HL7Tree, ConnecTree)

Equipment (Lab/OT), PACS, Finance, Digital Signage, HRMS

Electronic Medical Record (EMR)
Including Specialty Specific EMR such as Ophthalmology, Oncology, IVF, Dentistry etc.

Front Office	Smart Card	OPD Mgmt	IP Billing	Nursing	Package & Plans	General Stores	Accounts Receivable	Daycare Management
ADT	Queue Mgmt		ICU Mgmt	Discharge Summary	CSSD	Purchase	Doctor Fee	Tele/Video Consultation
OT		Physician			Kitchen	Inventory Management	Asset Management	
Quality Mgmt	Diagnostics	Lab	Blood Bank	Template	MRD			Physiotherapy
	ER	Medicine	Pharmacy	Diet				

Single Longitudinal Patient EMR

Roles-Based Authorization	Multi-Facility Support	Audit Trail	Customizable Digital Forms	In Built CDSS	Workflow Driven	Voice to Text	Drug Database (CIMS/Medispan)

Hospital Performance Analysis Smart System at AVISA Smart Hospitals

AVISA Doctor Performance Smart System :

Doctor Performance

INTERNAL MEDICINE — Close

Doctor Name.	Reg.	Cons.	Adm.	Dis.	Rad.-OP	Rad.-IP	Surg.	Proc.	Lab-OP	Lab-IP.	Rev.-IP	Rev.-OP	Phar-OP	Phar-IP
Doctor 19	0	0	0	0	0	8	0	0	0	2	0.00	0.00	0.00	0.00
Doctor 26	526	1102	45	38	0	62	0	123	0	345	878250.00	935710.00	159578.99	688881.50
Doctor 355	0	0	0	0	0	3	0	3	0	0	0.00	0.00	0.00	0.00
Doctor 540	0	0	0	0	0	38	0	68	0	76	0.00	0.00	0.00	0.00
Doctor 542	416	4	1	1	0	0	0	0	0	0	7590.00	3243430.00	69383.92	1404.06
Doctor 543	0	0	0	0	0	1	0	3	0	1	0.00	750.00	0.00	0.00
Doctor 547	18	17	0	0	0	14	0	10	0	133	0.00	19870.00	350.54	0.00
Doctor 610	47	70	0	0	0	33	0	20	0	290	0.00	77080.00	4657.80	534.78
Doctor 844	0	0	0	0	0	49	0	16	0	149	0.00	0.00	0.00	0.00
Doctor 845	0	0	0	0	0	49	0	18	0	268	0.00	0.00	0.00	0.00

Doctor Performance

Performance Head

INTERNAL MEDICINE --> Doctor 26 --> Admission (Total -45) — Close

IP No.	Patient Name	Payer	Bed Category	Referrance	Reason of Admission	Source
15/4146	Patient 300020441	INTERNATIONAL	CRITICAL CARE UNIT	.External		EMERGENCY
15/4674	Patient 300022657	SELF PAY	CRITICAL CARE UNIT	.External		EMERGENCY
15/4336	Patient 300001680	SELF PAY	CRITICAL CARE UNIT	.External		EMERGENCY
15/4496	Patient 300022026	SELF PAY	CRITICAL CARE UNIT	DR. T L P PRABHU .External		EMERGENCY
15/4801	Patient 300023001	SELF PAY	CRITICAL CARE UNIT	.External		EMERGENCY
15/4814	Test 30	SELF PAY	DELUXE ROOM	.External		OPD
15/3187	Patient 300003044	SELF PAY	GENERAL BED	.External		EMERGENCY
15/3006	Patient 300014041	SELF PAY	GENERAL BED	.External		OPD
15/3669	Patient 300014710	SELF PAY	GENERAL BED	.External		OPD
15/2899	Patient 300014959	SELF PAY	GENERAL BED	DR. T L P PRABHU .External		EMERGENCY
15/4813	Patient 300023090	FAMILY HEALTH PLAN(TPA) LIMITED ERNAKULAM-CREDIT	DELUXE ROOM	.External		OPD

AVISA – Patient Visit Analysis Smart System at AVISA Smart Hospitals
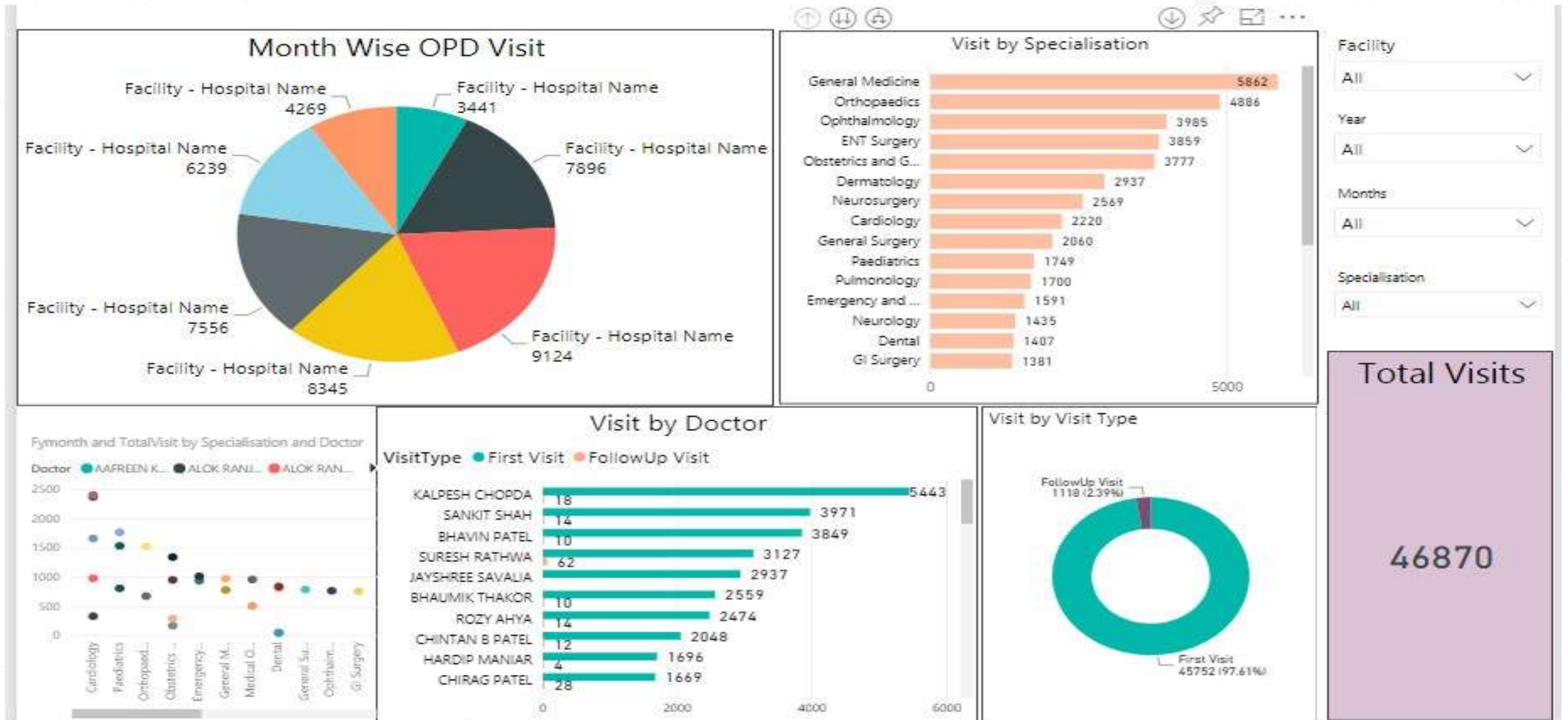
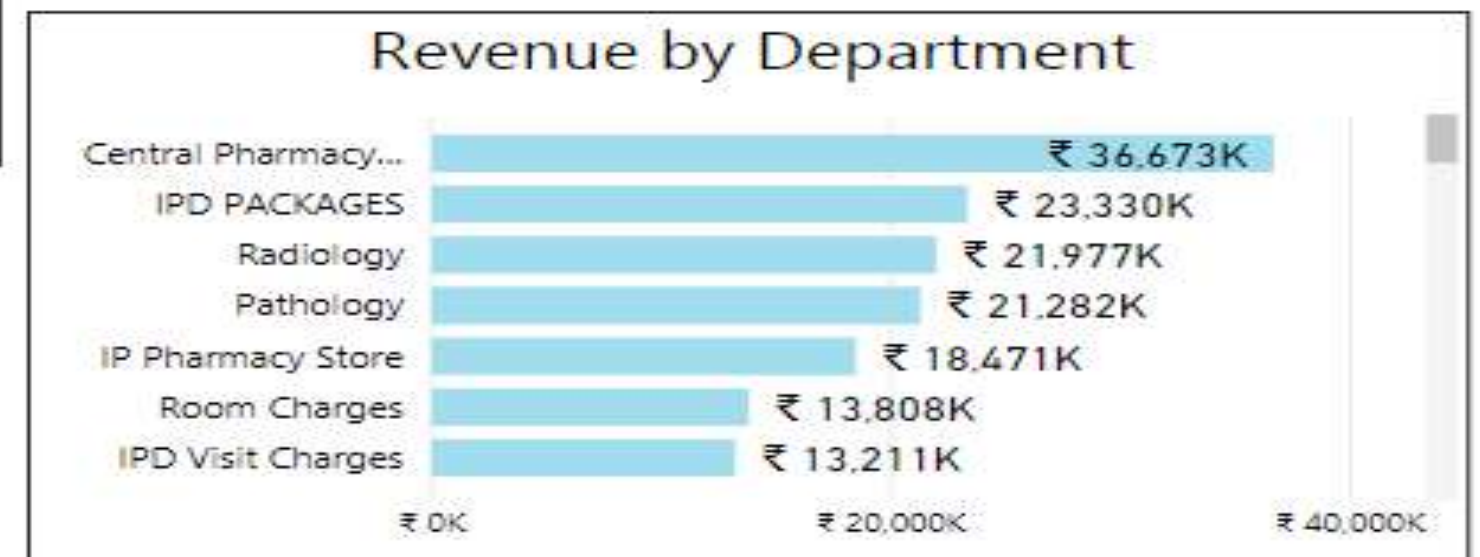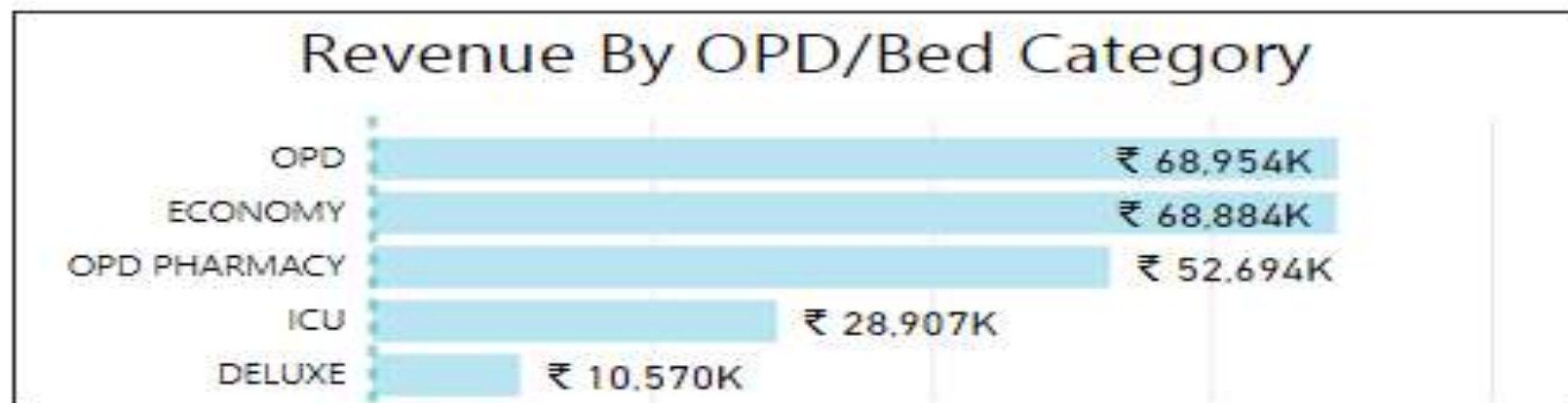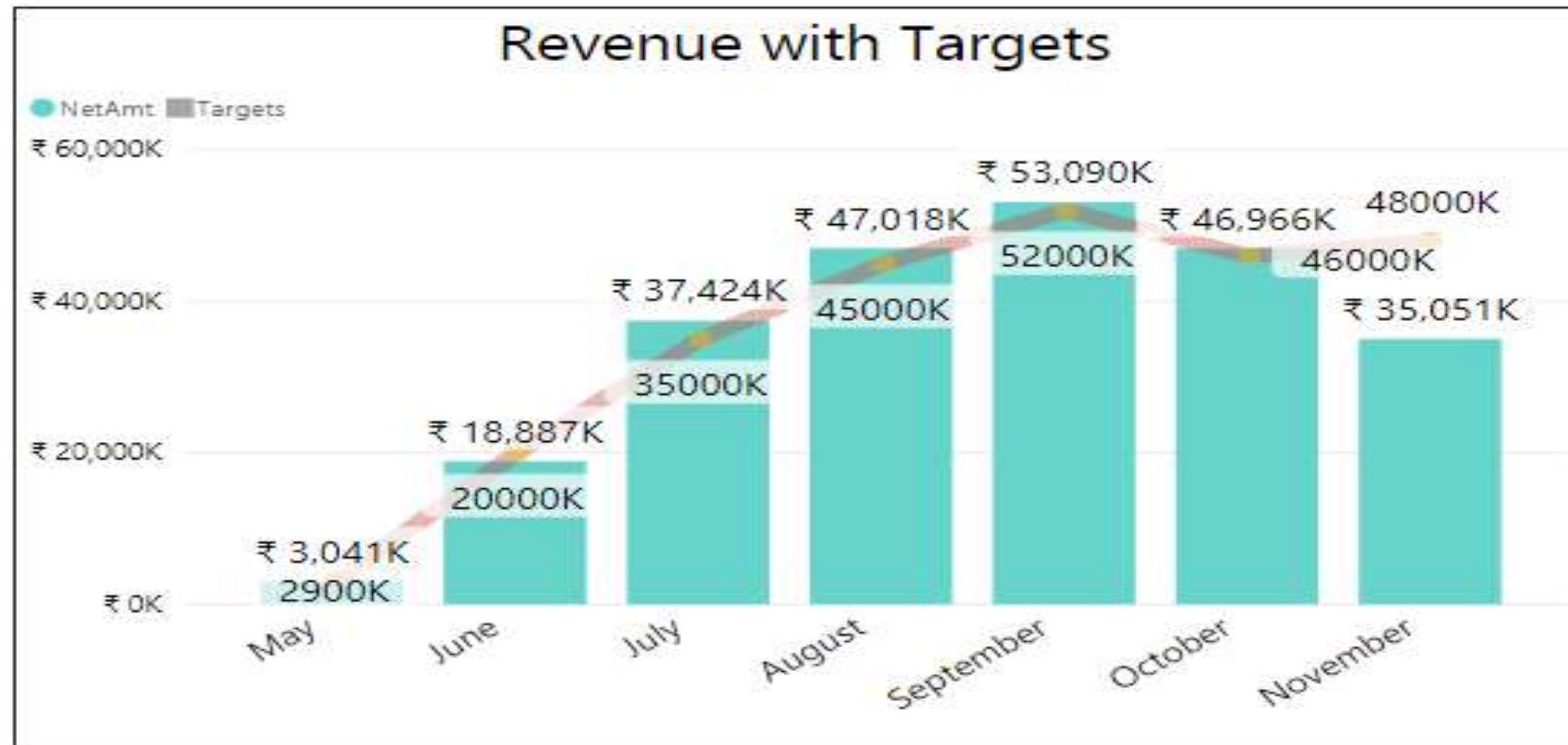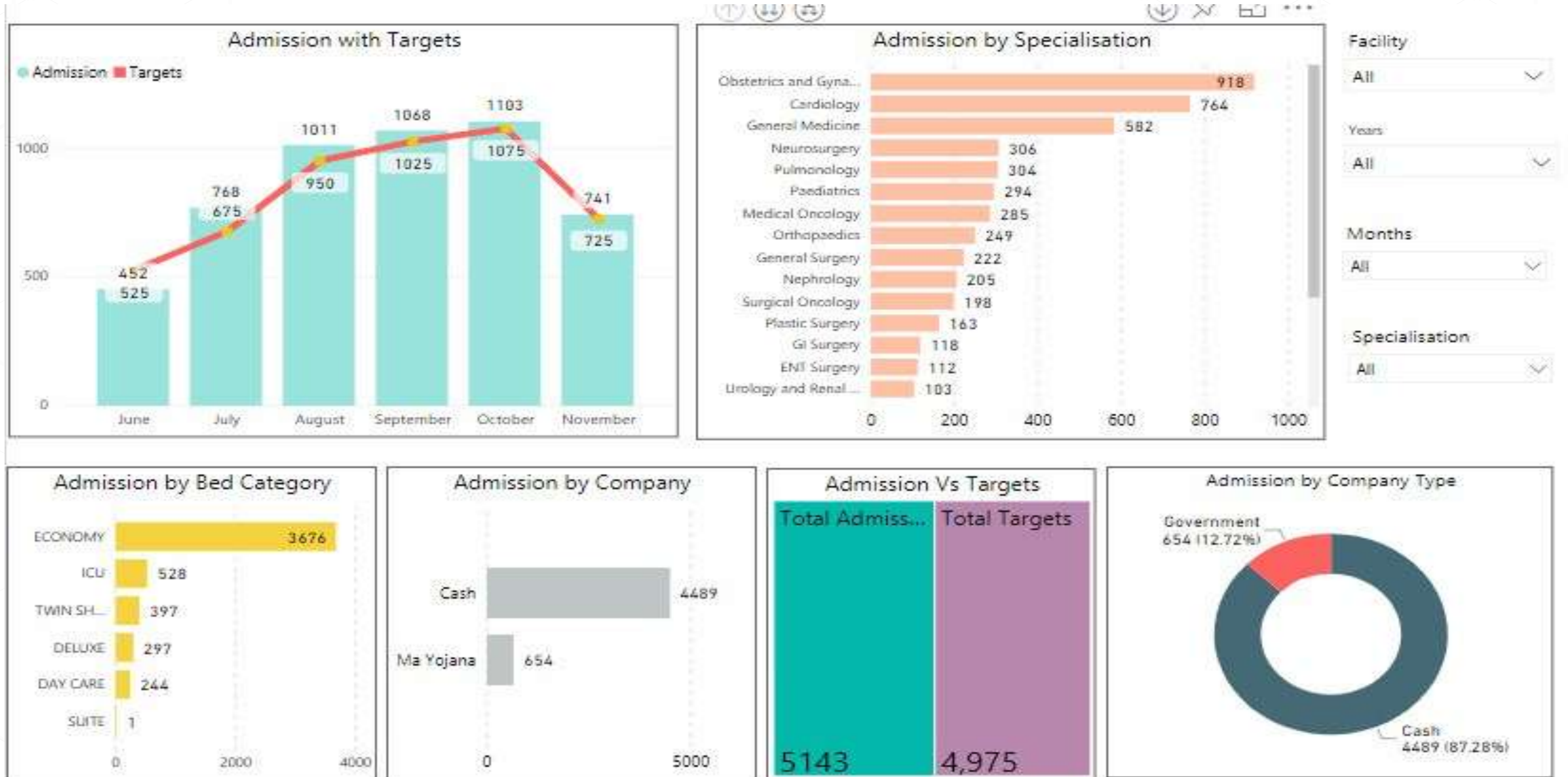# Lab & Radiology Analysis Smart System :
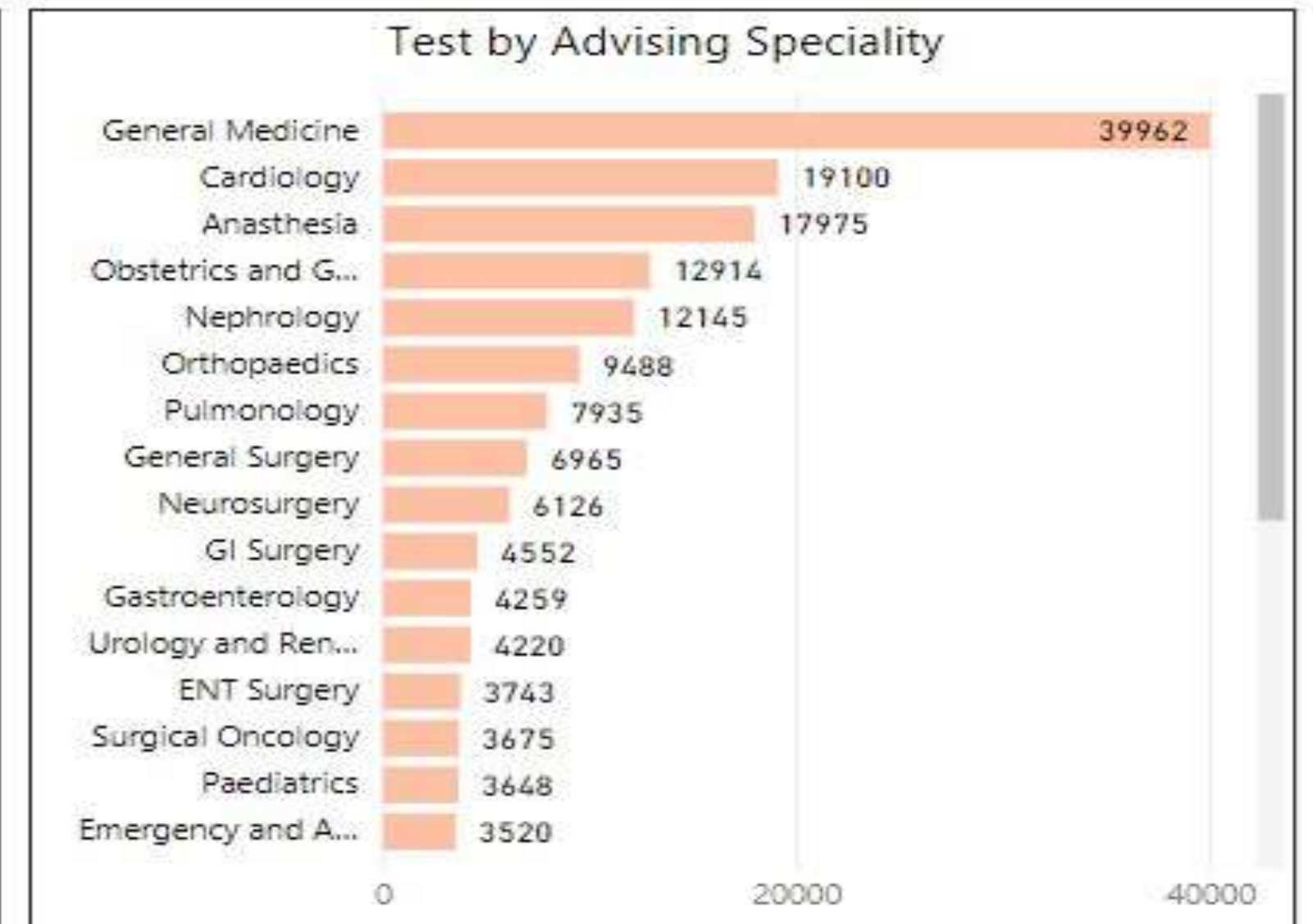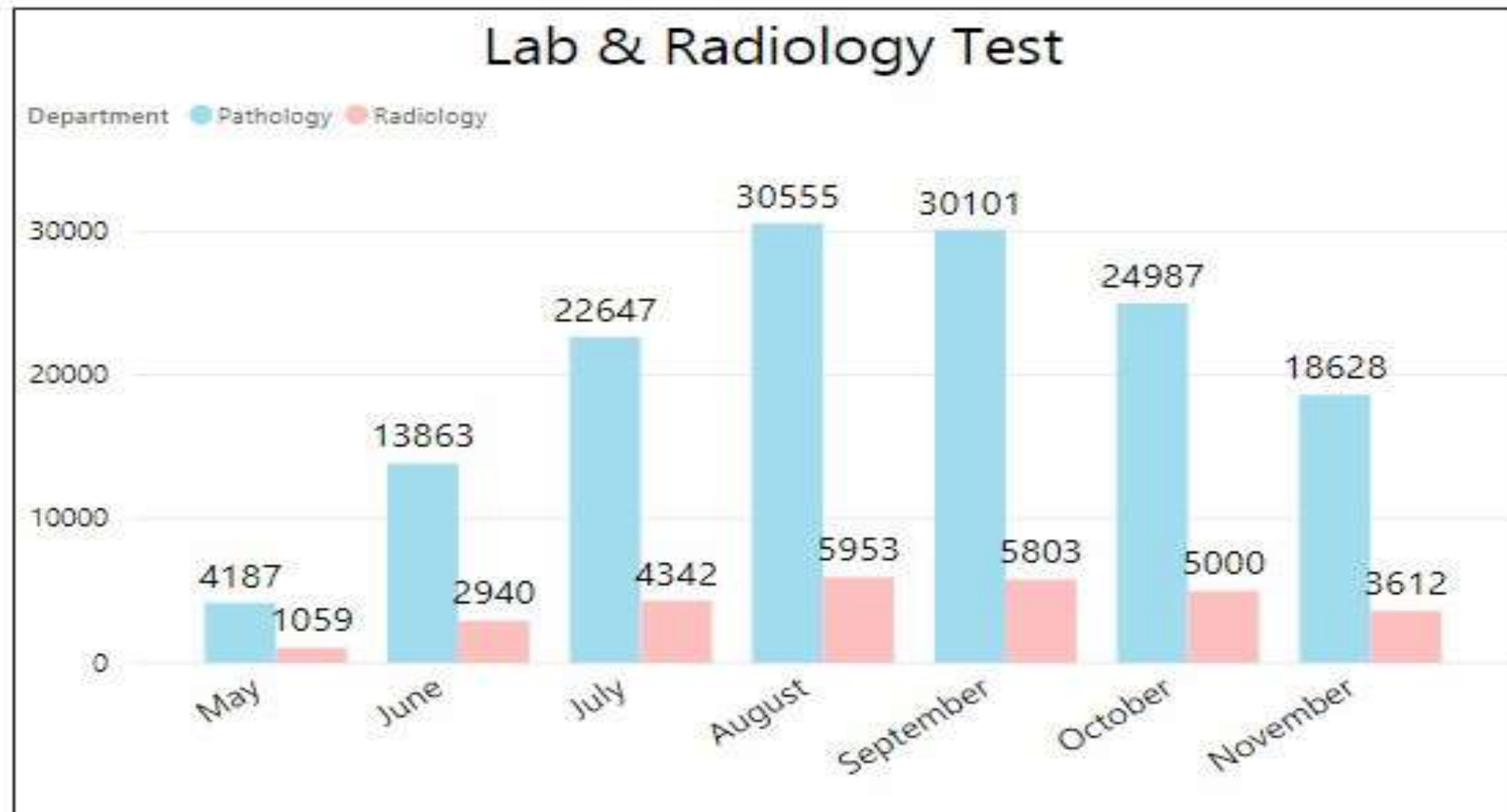
AVISA Revenue Analysis System :

Revenue with Targets

- NetAmt
- Targets

Month	NetAmt	Targets
May	₹ 3,041K	2900K
June	₹ 18,887K	20000K
July	₹ 37,424K	35000K
August	₹ 47,018K	45000K
September	₹ 53,090K	52000K
October	₹ 46,966K	46000K
November	₹ 35,051K	48000K

Revenue by Advising Speciality

Speciality	Revenue
Cardiology	₹ 30,785K
General Medicine	₹ 19,755K
Neurosurgery	₹ 18,006K
Obstetrics and G...	₹ 16,928K
Orthopaedics	₹ 16,736K
General Surgery	₹ 16,018K
Nephrology	₹ 15,850K
Emergency and A...	₹ 11,893K
Anasthesia	₹ 11,007K
Surgical Oncology	₹ 10,628K

Revenue By OPD/Bed Category

Category	Revenue
OPD	₹ 68,954K
ECONOMY	₹ 68,884K
OPD PHARMACY	₹ 52,694K
ICU	₹ 28,907K
DELUXE	₹ 10,570K

Revenue by Department

Department	Revenue
Central Pharmacy...	₹ 36,673K
IPD PACKAGES	₹ 23,330K
Radiology	₹ 21,977K
Pathology	₹ 21,282K
IP Pharmacy Store	₹ 18,471K
Room Charges	₹ 13,808K
IPD Visit Charges	₹ 13,211K

Revenue by Company

Company	Revenue
Cash	₹ 209,559.71K
Ma Yojana	₹ 31,909.2K
Employee – Tariff	₹ 8.71K

Revenue by Company Type

₹ 31,9... (13%)

₹ 209,... (87%)

Patient Admission Smart Analysis

Smart Dashboard – Hospital Profit – Loss

OP/IP Sale Vs Profit

- NetAmt
- Profit

Month	NetAmt	Profit
May	₹ 339K	
June	₹ 5,033K	1637K
July	₹ 8,738K	2348K
August	₹ 11,019K	2573K
September	₹ 13,887K	2985K
October		3662K
November	₹ 9,076K	2377K

OPIP Sale by Store

Store	Value
Central Pharmacy ...	₹ 36,673K
IP Pharmacy Store	₹ 18,471K
Cath Pharmacy	₹ 2,276K
OT PHARMACY & ...	₹ 2,079K
OT IMPLANTS	₹ 1,739K
CT OT	₹ 369K
Orthopaedic	₹ 21K
General Store	₹ 9K

Sale Vs Profit (OP/IP)

	Value
OPD	₹ 52,694.16K / 19658.17K
IPD	₹ 8,944.05K / -4012.52K

Profit vs Sale

- Profit 15645653 (20.24%)
- Total Sale ₹ 61,6... (79.76...)

OP/IP Sale

- IPD ₹ 8,944.... (15%)
- OPD ₹ 52,6... (85%)

THANK YOU

Reach Us On

AVISA
SMART HOSPITALS

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