



# COMPANY PROFILE

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Mahsumaah Business Solutions

# About the Company

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Mahsumaah Business is a technology and consulting firm focused on secure digital transformation. We build modern IT solutions that combine software, cloud, AI, and cybersecurity to help organizations operate efficiently and securely.

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## MISSION

To deliver secure, scalable technology solutions that help organizations transform digitally with confidence and compliance.

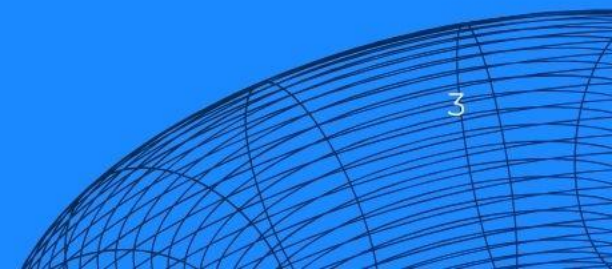
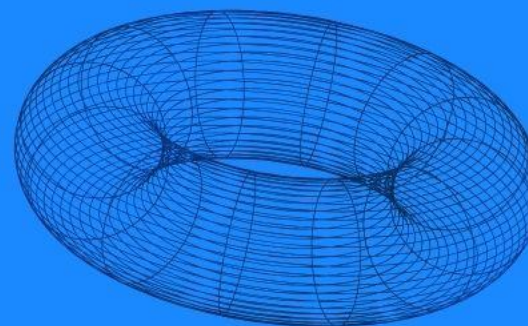
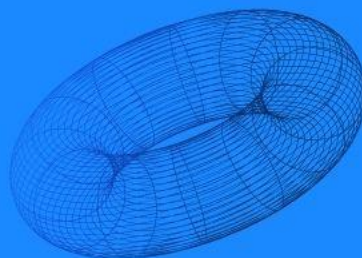
# Our Mission and Vision

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## VISION

To become a trusted leader in secure digital transformation, enabling resilient and intelligent technology ecosystems.

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# HEALTH CARE PRODUCTS in collaboration with DigiTrends

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# Globally Acclaimed Product Portfolio



GREEN DIGITAL HEALTH

**UK**

Care Homes Connected  
Health Model



**USA**

Behavioral  
& Mental Health Solution



**PAK**

Connected  
Health Model



**KSA**

Remotely Accessible  
Healthcare at  
Home

# Globally Acclaimed Product Portfolio



**USA**

Remote Patient  
Monitoring and  
Compliance Management



**PAK**

Community Health  
for Family Planning  
Services



**PAK/US**

Connected Health



**PAK**

Virtual Hospital



AViCA

AViCA (Aman Virtual Care Platform) is an integrated digital health platform which enables continuum of care for patients and providers

# How AViCA Works



## COMPONENTS



# AviCardia

powered by VivaLink

7-day continuous ECG & Holter monitoring with a wearable patch enabling real-time data access and advanced rhythm analysis for optimized cardiac care.

## VIVALINK

Introduced for the 1st Time  
in Pakistan

FDA Approved Device  
& Algorithm

Piloted at Tabbā  
Heart Institute



## ECG Monitoring

### Continuous Remote Monitoring:

AViCardia offers continuous ECG monitoring, ensuring that healthcare providers can receive comprehensive insights into patients' heart activity, at home or in a clinical setting

### AI-Enabled Cardiac Event Detection:

The device uses AI-driven algorithms to automatically detect potential cardiac events, supporting timely medical intervention.

### Data Transmission and Analysis on Cloud:

All ECG data is securely transmitted to the cloud-based platform, where it is analysed using algorithms and made available for the physician to review and define next steps in patient care.

### Detailed ECG Reports for Clinical Review:

The system generates comprehensive ECG reports, enabling informed clinical decisions and effective patient management.

## Additional Features



### Temperature Monitoring (Skin):

The device monitors the patient's skin temperature, adding additional data points for proactive patient care.



### Movement Tracking:

The device tracks patient movements, which helps correlate physical activity with cardiovascular events.



### Activity Compatible, Designed for Daily Use:

AViCardia is engineered for continuous wear, even during regular daily activities, without compromising performance.



### Respiration Rate Monitoring:

Continuous monitoring of respiration rate provides vital information, aiding in early detection of potential issues related to cardiovascular and respiratory health.



### Continuous Heart Rate:

The device provides continuous heart rate along with near real-time ECG data.

## Design and Usability



### Rechargeable & Reusable:

The device is rechargeable, reusable, and built for long-term use in various care settings.



### Disinfectant-Friendly:

The device is easily disinfected, making it suitable for repeated use in various healthcare environments.



### Waterproof:

AViCardia is waterproof, allowing patients to wear the device in diverse conditions without disruption to monitoring.



### Compact, Lightweight, and Discreet Design:

Its sleek and discreet design ensures comfortable, non-intrusive wear, ideal for extended use.

# Remote Patient Monitoring

RAH@H is first of its kind patient centric connected health model to

- EDUCATE
- EMPOWER
- INFLUENCE
- TREAT
- MONITOR

## Using Following Technologies

- Telemedicine
- Patient Education
- ERC
- Webinars
- Medical devices
- M-Apps
- PHR



Remotely Accessible HealthCare @ Home

**Commonwealth  
DIGITAL HEALTH AWARDS**

**nominee**

Nurse can track and view live vitals on the portal 24/7

Doctor provides the consultancy

Emergency Ambulance

**A Patient Centric 24/7  
Connected Health  
Model to Improve  
Healthcare Outcomes  
Through Tech.**

## Strategic Objectives of RAH@H is to



EDUCATE



EMPOWER



TREAT  
PATIENTS



INFLUENCE



MONITOR



## Components of RAH@H



Emergency  
Response  
Center



Medical  
Devices



Telemedicine



Live Webinar



App and  
Portal



Patient Health  
Record



Education  
Content



Remotely Accessible HealthCare @ Home

# Medical Devices

The Medical devices used for taking observations such as Blood Pressure, Blood Glucose, BMI, etc were FDA approved and participants are trained to use them.

Following are the devices which were given to the patients according to the specialties they are enrolled in:

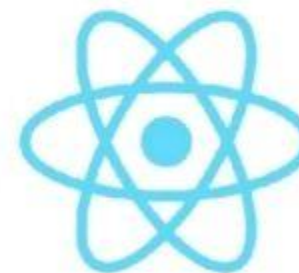
- iHealth Smart Wireless Gluco-Monitoring System
- iHealth Core Body Analyzer
- Kick Trak
- Fetal Beats
- iHealth Wireless BP
- Clinicloud





# RAH@H App

## Technology Stack



- VRH is the award winning VR Patient Simulator for HCP learning.
- There are over 150 Medical life-like cases to choose from.
- Each simulation is carefully curated to help doctors deal with various types of diseases in critical medical situations.
- Cases are developed by professor level physicians.

**Wireless**

**Multiplayer**

**Built by Educators**

**Reports & Analytics**





## Engagement using



### Ward Engagement

Select our preferred medical ward and engage participants using VRH in a case solving competition.



### Medical Conferences

Decide a case, select KOL and ask him to present to a captive audience at medical conferences.



### In HCP Chamber

Doctors always appreciate things which excite them. Give the VR set to your RSM and ask him to share the case with HCP.



### Medical University

Training students using VRH is impactful and full of learning. Initiate University Engagements to promote learning culture and stand out from your competition

Developed  
with  
inspiration  
from



U.S. AIR FORCE



Children's National



VA U.S. Department  
of Veterans Affairs

# Proximie Surgeries

Proximie is a technology platform that allows clinicians to virtually 'scrub in' to any operating room or Cath lab from anywhere in the world.

By empowering clinicians to share their skills in real-time, we can reduce variation in care and ensure every patient receives the best healthcare every single time.



# Proximie Surgeries

## Live Virtual *Collaborations*

Proximie allows multiple people in remote locations to virtually interact in a way which mimics what they would experience if they were collaborating in the same operating room. It means they can physically show each other where to make an incision, in real-time, or use physical gestures to illustrate a technique.

## Mixed *Reality*

Using artificial intelligence, machine learning, and augmented reality, clinicians can remotely interact in a live procedure or assessment from start to finish, in a visually intuitive way.

Collaborating partners



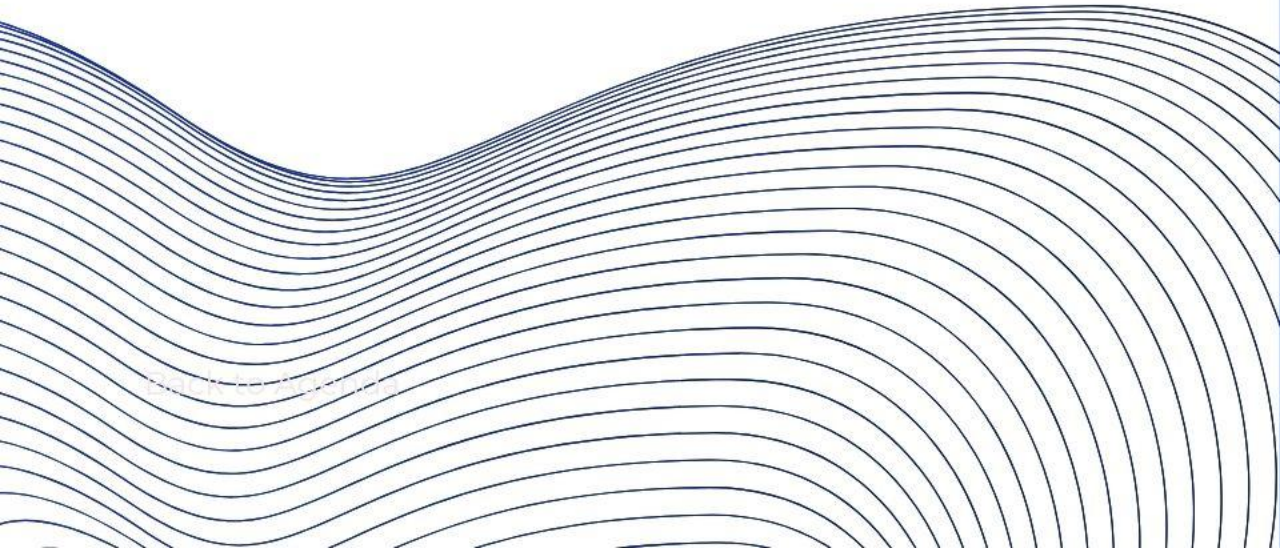
Boston  
Scientific



Medtronic



# Why Choose Us



We combine deep technical expertise with a strong focus on security, compliance, and scalable digital solutions to help organizations transform with confidence.

01

## Regulation-First Approach

Our solutions are designed to meet strict regulatory standards, ensuring security, compliance, and long-term operational stability.

02

## Scalable & Secure Solutions

Our platforms are built for reliability, scalability, and performance, supporting organizations as they grow and evolve.

03

## Trusted Strategic Partner

We work closely with our clients to deliver tailored solutions that create measurable business impact.

# National Alignment

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Supporting the Kingdom's strategy to build a diversified, technology-driven economy through digital transformation and innovation.

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Ensuring systems follow national cybersecurity controls, data protection standards, and secure infrastructure practices.

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Contributing to the adoption of artificial intelligence, automation, and advanced software platforms across industries.

**Vision 2030**

**National Cybersecurity  
Authority (NCA)**

**AI & Digital Economy  
Initiative**



# THANK YOU

# Connect with us.

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