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Innovating Wellness: **Wappnet Joins Forces with Samsung Privileged Health SDK**

The Samsung Privileged Health SDK provides access to device-specific sensor data, empowering partners to integrate robust health-sensing features into their applications and enhance overall user experience.





SAMSUNG PRIVILEGED HEALTH SDK

The Samsung Privileged Health SDK is ideal for fitness, remote monitoring, senior care, and corporate wellness, offering:

- Key Sensors: ECG, heart rate, SpO2, body composition, etc.
- Health Metrics: Stress, sleep stages, blood pressure, etc.
- Efficiency: Designed for low battery use in health apps.

Wearable Smart Rings provide:

- Health Tracking: Heart rate, sleep, and stress.
- Fitness: Steps, activity, and calories.
- Contactless Payments: Via NFC.
- Smart Home Control: Gesture control.
- Long Battery Life: Up to a week of use.





INTRODUCTION TO SAMSUNG GALAXY WATCH (VIA PRIVILEGED HEALTH SDK)

Health Monitoring Features & Sensors

- Advanced Sensors: Access to **ECG, PPG, accelerometer, and skin temperature** for comprehensive tracking.
- Optimized Data Accuracy: Enhanced tracking capabilities with minimal battery consumption.
- Wear OS Integration: Seamless app functionality and performance.
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Key Health Metrics Available

- Heart Rate: Continuous tracking during activities and rest.
- Heart Rate Variability (HRV): Insights into stress and recovery.
- Blood Pressure: Monitors BP using bioelectrical impedance.
- ECG (Electrocardiogram): Detects irregular heart rhythms, including atrial fibrillation.
- SpO2 (Oxygen Saturation): Measures blood oxygen levels.
- Body Composition: Analyzes body fat, muscle mass, and hydration levels.
- Sleep Stages: Tracks deep, REM, and light sleep.
- Skin Temperature: Useful for monitoring wellness and stress levels.





INTRODUCTION TO SAMSUNG GALAXY SMART RING (VIA PRIVILEGED HEALTH SDK)

Health Monitoring Features & Sensors:

- Optical Bio-Signal Sensor: Enhances heart rate tracking for improved heart health monitoring.
- Skin Temperature Sensor: Provides regular readings of skin temperature changes during sleep.
- Accelerometer: Tracks walking and running automatically without pressing a button.

Key Health Metrics Available

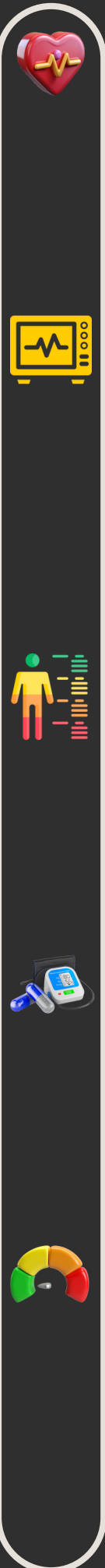
- Heart Rate: Continuous tracking during activities and rest for heart health monitoring.
- Heart Rate Variability (HRV): Insights into stress and recovery.
- Blood Pressure: Monitored via bioelectrical impedance for cardiovascular health.
- SpO2 (Oxygen Saturation): Measures blood oxygen levels during sleep and activities.
- Body Composition: Analyzes body fat percentage, muscle mass, and water levels.
- Sleep Stages: Tracks light, deep, and REM sleep cycles.
- Skin Temperature: Regular readings of skin temperature for wellness.
- Activity Tracking: Monitors steps, calories burned, and activity intensity.
- Stress Levels: Assessed through HRV and biometric indicators.





INTEGRATIONS IN HEALTHCARE

SAMSUNG GALAXY WATCH & SAMSUNG GALAXY SMART RING (PHYSICAL)



Heart Rate Monitoring

Continuous tracking of heart rate allows healthcare providers to assess cardiac health during patient visits. It can alert providers to potential issues in real-time.

ECG

The built-in ECG feature allows doctors to diagnose arrhythmias and other heart conditions quickly. Patients can undergo heart monitoring without needing extensive equipment.

Body Composition

These devices can measure body fat percentage, muscle mass, and water levels. This information is crucial for obesity management and creating personalized health plans.

SpO2

Monitoring blood oxygen levels is essential for respiratory patients. Regular checks can help assess the effectiveness of treatments or detect complications early.

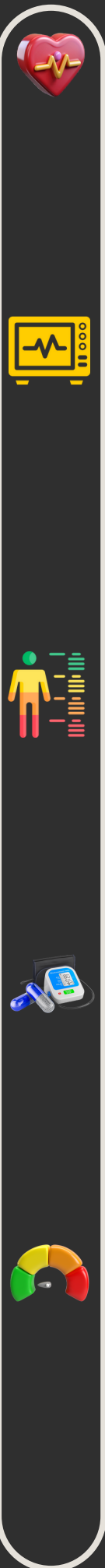
Stress Levels

Monitoring heart rate variability (HRV) provides insights into patients' stress levels during check-ups, which can help clinicians understand the emotional and psychological aspects of health.





INTEGRATIONS IN HEALTHCARE
SAMSUNG GALAXY
WATCH
&
SAMSUNG GALAXY SMART
RING (REMOTE)



Heart Rate Monitoring

Continuous tracking of heart rate allows healthcare providers to assess cardiac health during patient visits. It can alert providers to potential issues in real-time.

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**UTILIZATIONS FOR GYM
SAMSUNG GALAXY
WATCH
&
SAMSUNG GALAXY SMART
RING (PHYSICAL)**



Heart Rate

Monitoring heart rate during workouts helps users optimize workout intensity and ensures they are training within safe and effective heart rate zones.



Body Composition

By measuring changes in body fat and muscle mass over time, users can track their fitness progress and adjust their training accordingly.



Calories Burned

Real-time calorie tracking allows trainers to create personalized workout plans that align with clients' fitness goals and caloric needs.



Activity Tracking

Comprehensive tracking of workout intensity, steps, and calories burned during training sessions supports accountability and encourages users to meet their fitness goals.



UTILIZATIONS FOR GYM SAMSUNG GALAXY WATCH & SAMSUNG GALAXY SMART RING (REMOTE)



Real-Time Heart Rate Monitoring

Trainers can monitor clients' heart rates during remote workouts, providing feedback and motivation while ensuring safety.



Body Composition

Continuous tracking of body composition helps clients maintain accountability for their fitness goals even when training remotely.



Stress Levels

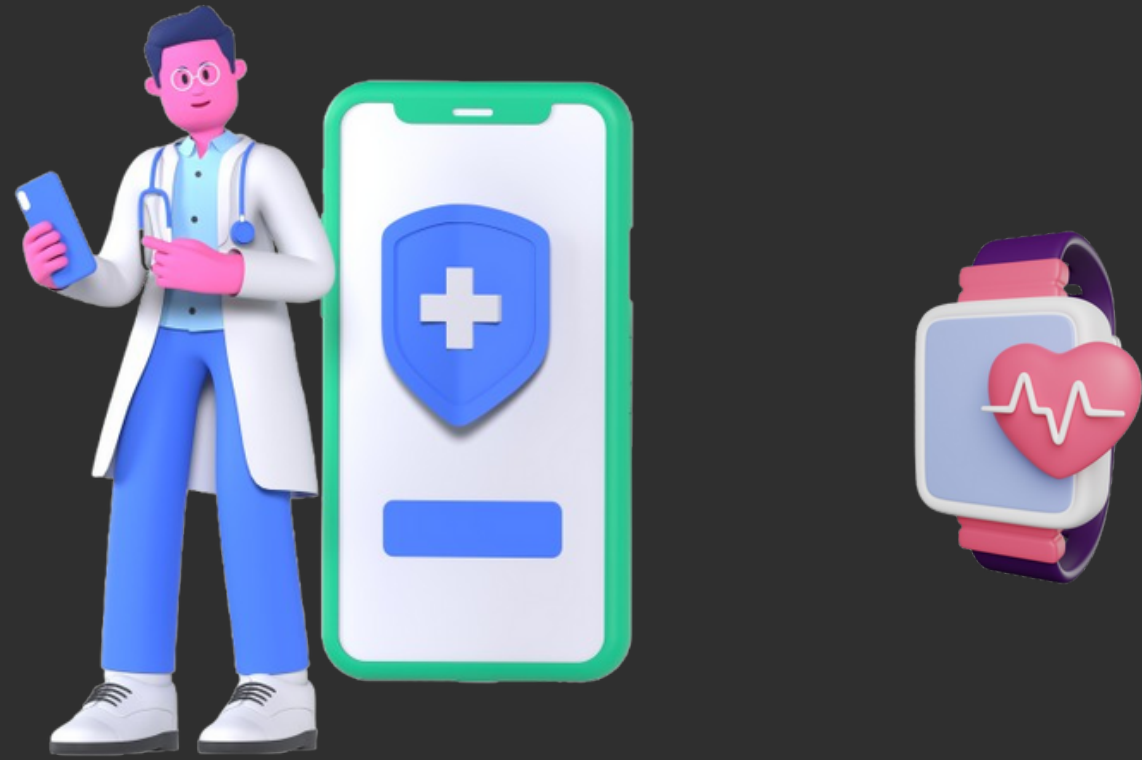
Monitoring stress levels post-workout helps trainers assess recovery and adjust training programs to prevent overtraining.



Sleep Tracking

Insights from sleep data allow trainers to customize recovery programs, ensuring clients are adequately rested for their next training sessions.





UTILIZATIONS FOR DOCTORS SAMSUNG GALAXY WATCH & SAMSUNG GALAXY SMART RING (PHYSICAL)



Heart Rate Monitoring

Continuous heart rate monitoring allows healthcare providers to evaluate heart conditions in real-time, enhancing patient care.

ECG

ECG capabilities enable doctors to detect heart irregularities quickly during patient visits, facilitating timely diagnosis and intervention.

Blood Pressure

Regular measurements of blood pressure help manage hypertensive patients effectively, allowing for immediate adjustments to treatment plans.

Body Temperature

Monitoring body temperature changes can indicate potential health issues and assist in early diagnosis and intervention.

Body Composition

Understanding a patient's body composition helps assess overall health and fitness, allowing for tailored treatment plans.



UTILIZATIONS FOR DOCTORS SAMSUNG GALAXY WATCH & SAMSUNG GALAXY SMART RING (REMOTE)



ECG & Heart Rate

Remote monitoring of ECG and heart rate allows for continuous oversight of cardiovascular conditions, enabling timely interventions.



Sleep Stages

Monitoring sleep stages helps doctors understand sleep disorders and overall wellness, leading to better treatment strategies.



Blood Pressure Trends

Tracking blood pressure trends remotely aids in managing hypertensive patients, facilitating timely adjustments to medications.



Stress Monitoring

Remote assessment of stress levels through HRV provides insights into mental health, allowing for necessary interventions.



Physical Activity

Tracking patients' mobility and recovery progress remotely helps healthcare providers tailor rehabilitation and fitness programs.

USE CASE I

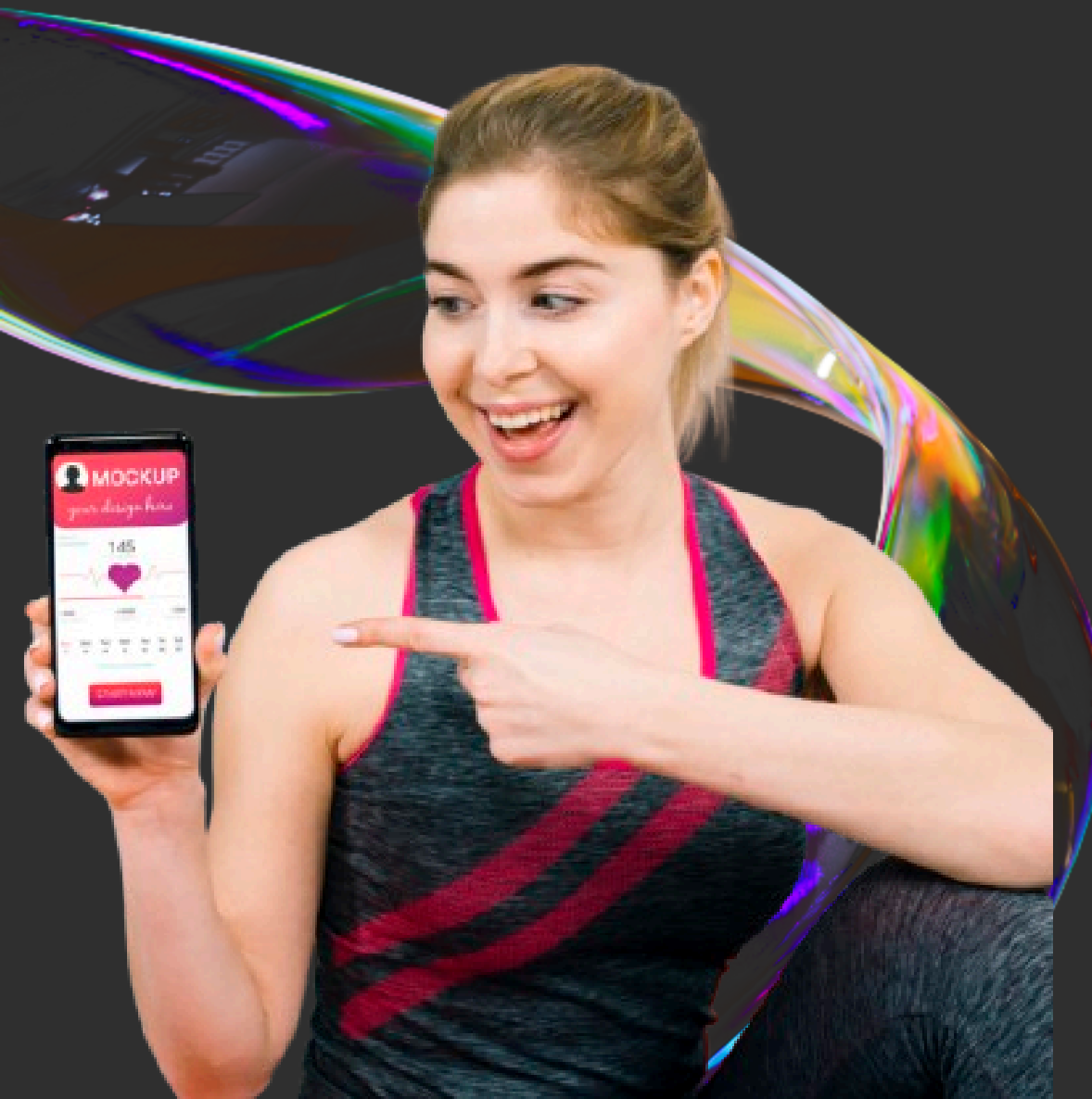
PERSONALIZED FITNESS COACHING IN GYMS

Scenario

A fitness trainer uses a mobile app integrated with Samsung Health SDK on the Galaxy Watch and a wearable ring to monitor clients' fitness progress in real-time.

How it Works

- The trainer receives real-time data from the client's watch and ring, tracking metrics like heart rate, calories burned, and exercise intensity.
- Based on this data, the app provides personalized recommendations and adjustments to the workout plan to optimize performance.
- Benefits: Real-time insights ensure workouts are tailored to the client's current fitness level and recovery, preventing overtraining and injuries.



USE CASE II

REMOTE PATIENT MONITORING FOR CHRONIC ILLNESS

Scenario

A healthcare provider monitors a patient with chronic heart conditions using a Galaxy Watch and a wearable ring, synced to a telemedicine platform via the Samsung Health SDK.

How it Works

- The watch and ring continuously track heart rate, ECG, and SpO2 levels.
- Any abnormal readings (e.g., arrhythmias or low oxygen levels) trigger an automatic alert, notifying the doctor through the connected app.
- The doctor can then remotely intervene, advising the patient on necessary actions or adjustments to medications.
- Benefits: This enables early detection of potential health issues and reduces the need for in-person visits, enhancing patient safety and convenience.

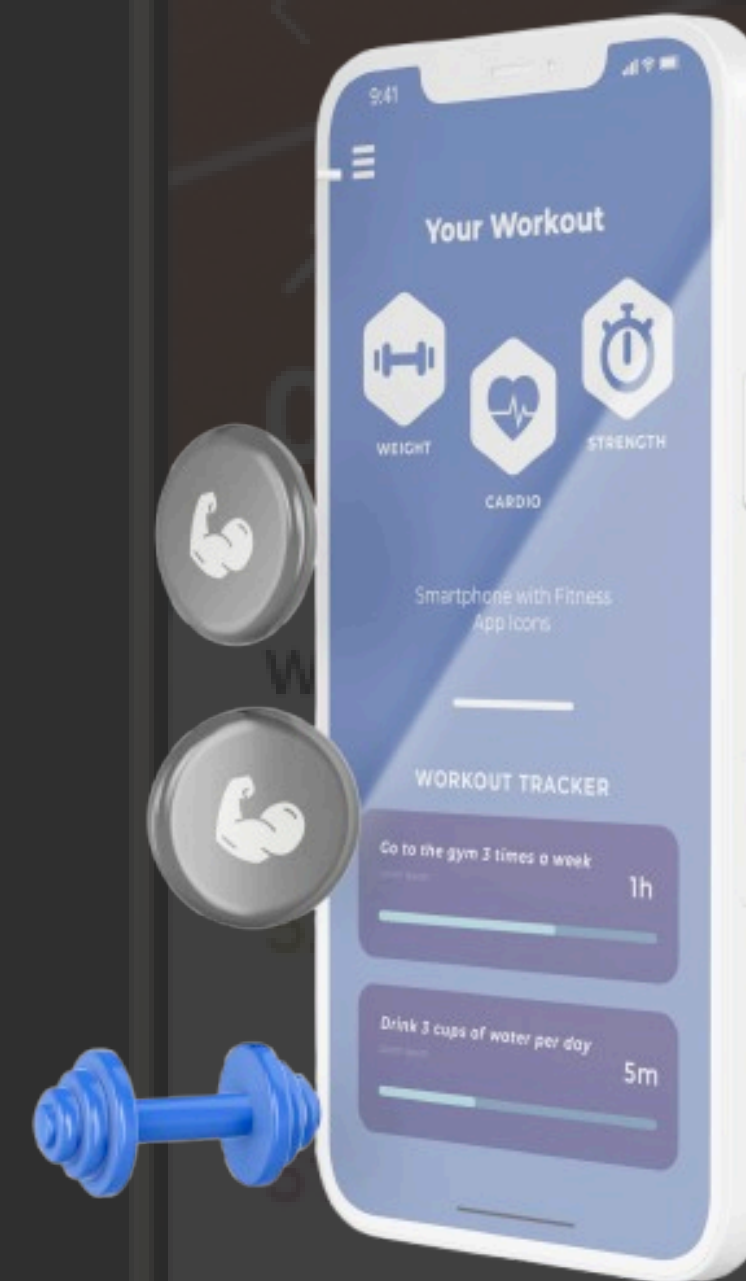




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THANK YOU

Let's Connect to Better Health –
With Samsung Watch &
Wearable Rings.



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