



INTEGRATED HEALTH MANAGEMENT SYSTEM

**WELLNESS ON WHEELS
MOBILE CLINIC UNIT**



GET IN TOUCH

PHOENIX MICROSYSTEMS

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About Us

Phoenix Microsystems (PMS) (Founded in 2005), is promoted by well know business groups and young techno crafts having diversified experience in the field of development, maintenance and product development. PMS provides a complete end-to-end solution to address all the industrial needs of all businesses. PMS is committed to providing a unique package of cost- effective solutions, quality service and complete satisfaction to customers by continuous innovation and R & D, focusing on end to end user needs and building strategic partnerships with solution providers and system integrators.

With a strong focus on integrating advanced technologies like IoT, AI, and data analytic. Phoenix Microsystems specializes in manufacturing and deploying cutting-edge devices such as health kiosks, Multi Purpose kiosk's, smart beds, vending machines, Water ATM and other intelligent systems designed to enhance Community living and streamline essential services.

OUR CLIENTALE



EXCLUSIVE SUMMARY

India's healthcare background is a mix of achievements and challenges shaped by its vast population, diverse geography, and socio-economic disparities. The country has a dual healthcare system comprising public (government-funded) and private providers.

The government provides various healthcare facilities to rural and remote areas through initiatives like Primary Health Centres (PHCs), Health and Wellness Centres, Mobile Medical Units (like Firta Dawakhana), and schemes such as Ayushman Bharat. These services aim to ensure that even the most underserved populations have access to basic medical care, free medicines, vaccinations, maternal and child health services, and preventive care.

However, a major challenge remains: lack of awareness among rural populations. Many people in these areas are still unaware of the health services available to them or do not prioritize their health due to traditional beliefs, low literacy levels, and poverty. As a result, they often delay seeking treatment, rely on unqualified practitioners, or ignore preventive measures.

PHOENIX take pride in introducing the most compact **MOBILE HEALTH CLINIC** with Multi Specialty Diagnostics, mobile healthcare units, have the potential to revolutionize health services in Rural, Urban areas & smart cities by making high-quality medical care accessible, timely, and more efficient. These mobile units are essentially clinics or small hospitals that travel to various locations, providing essential healthcare services to people who may otherwise struggle to access traditional hospitals due to geographic, economic, or logistical barriers. Hospitals on wheels bring healthcare right to people's doorsteps, integrating seamlessly with other rural & urban health and wellness initiatives.

MOBILE HEALTH CLINIC can deploy regular, scheduled visits to the particular areas, bringing primary healthcare, screenings, diagnostics, and even specialist consultations to the residents who need them most. This eliminates travel time, reduces costs for patients, and can help alleviate the pressure on crowded city hospitals. Moreover, by connecting with the city's health data systems, mobile hospitals can keep records of patient visits, manage follow-up appointments, and track overall health trends in real-time, enabling more informed health planning for rural and urban administrators.

CHALLENGES IN DELIVERING HEALTHCARE TO REMOTE POPULATIONS

1. Lack of Healthcare Infrastructure

Remote areas often lack primary health centers, clinics, or hospitals. Even when facilities exist, they are under-equipped and understaffed, making quality treatment inaccessible.

2. Shortage of Medical Professionals

Doctors, nurses, and specialists are reluctant to work in remote or tribal areas due to poor living conditions, safety concerns.

3. Poor Transportation and Connectivity

Bad roads, limited public transport, and difficult terrain make it hard for villagers to travel to nearby health centers, especially during emergencies.

4. Low Health Awareness

People often lack knowledge about basic hygiene, preventive care, maternal health, and vaccination, leading to late diagnosis and increased disease burden.

5. Economic Constraints:

Most rural families cannot afford medical tests, travel expenses, or private healthcare, resulting in neglect of treatment or reliance on unqualified practitioners.

6. Digital Divide

Limited access to smartphones, internet, or digital literacy hampers the use of telemedicine, digital health IDs, or online consultations, cutting them off from modern healthcare solutions.

SOLUTIONS OFFERED BY PHOENIX MICROSYSTEMS THROUGH MOBILE CLINIC UNIT



Phoenix Microsystems has developed an innovative and practical solution to address the critical healthcare challenges faced by people in rural and remote regions. Our Mobile Clinic Unit (Health on Wheels) is designed to deliver essential medical services directly to underserved communities, offering the following key solutions:

1. Accessible Primary Healthcare

We provide door-to-door medical services in areas with limited or no health infrastructure, ensuring timely checkups, consultations, and follow-ups.

2. Telemedicine & Remote Consultation

Through our onboard telemedicine system, patients can consult with qualified doctors from urban hospitals in real time, eliminating the need to travel long distances.

3. Diagnostic Testing

The clinic is equipped with basic diagnostic devices like BP monitors, glucometers, hemoglobin meters, and ECG machines, enabling on-spot diagnosis and immediate response.

4. Health Record Digitization

We collect and manage patient health data by age, gender, location, and disease type, enabling better monitoring, reporting, and preventive care planning.

5. School & Community Health Checkups

Specialized for school-based health screenings and awareness camps, our mobile unit promotes early detection in children and preventive health education in the community.

6. Pharmacy and First Aid Services

Basic medicines and first-aid are provided on-site, reducing the need for patients to visit distant pharmacies for minor ailments.

7. Awareness & Health Education

The unit is equipped with audio-visual tools to spread awareness on hygiene, nutrition, maternal care, and chronic disease prevention through community sessions.

COMPONENTS OF MOBILE HEALTH CLINIC

- Vehicle Type: TATA ACE with fabrication body
- 0.8 Ton Air Conditioner for maintain internal temperature
- Provision for Bed for conducting ECG and other examinations of the patients.
- External Generator
- 3KVA Solar Inverter
- 42 inches Android TV for the branding
- Health kiosk: Digitally integrated Health KIOSK (with Glucose, HB, Lipid profile & 12 Lead ECG)
- 3 part CBC analyzer
- Semi-automatic Biochemistry Analyzer
- Centrifuge(8 tests at a time)

KEY FEATURES



01

COMPACT model enables instant services in the field, which will reduce the patient waiting, as people wait for MOBILE vehicle to come to their area, and would like to have services as early as possible so that they do not sacrifice their daily labour works, which will cut down their income.

02

All medical and lab equipment's are in built this HOSPITAL ON WHEELS, by integrating all the devices using our state of art in-house IHMS (Integrated Health Management System), which will help to have a consolidated Patient Real time data, and also connect with the nearby Government hospitals, to take up Referral mechanism for Secondary and Tertiary care.

03

Taking health care to HOME will enable people living in remote areas to get the benefit of Multi-Specialty Diagnostics at their door step, without loosing their daily bread and reach a far-away health centre, and also enables them to start on instant medication and treatment.

04

Reduces the PER PATIENT COST, as our entire systems is built in with a combination of Invasive and Non Invasive diagnostics, which helps to cut down the overall investment and operational costs on day to day basis.

LIST OF TEST

HEALTH KIOSK TEST PARAMETERS: NON- INVASIVE TEST PARAMETER

Basic Vital Checkup

- 1. Height
- 2. Weight
- 3. BMI
- 4. BMR
- 5. Body Water
- 6. Fat free weight
- 7. Muscle Mass
- 8. Skeletal Muscle
- 9. Body Fat
- 10. PSUBFAT
- 11. Visceral fat
- 12. Bone Mass
- 13. Body temperature
- 14. Oxygen
- 15. Pulse
- 16. BP Diastolic
- 17. Bp Systolic
- 18. Basal Metabolic rating
- 19. Metabolic Age
- 20. Protein
- 21. Physical rating
- 22. Alcohol test
- 23. 12 lead ECG test

Image visualization test

- 1. Ear , Nose, throat Visualization
- 2. Skin and Nail Image Capturing
- 3. ORACAM Dental checkup

Risk assessment test (Questionary based test)

- 1. HIV Risk test
- 2. Lung Cancer Risk Test
- 3. Breast cancer risk test
- 4. Brain cancer risk test
- 5. Tumor risk test
- 6. Cervical Cancer Assessment
- 7. Heart disease Risk test
- 8. Covid risk test IQ Test

Urine Test

- 1. Glucose
- 2. Ascorbic Acid
- 3. Bilirubin
- 4. Ketone
- 5. Specific Gravity
- 6. pH
- 7. Protein
- 8. Urobilinogen
- 9. Nitrite
- 10. Leukocytes

HEALTH TEST PARAMETER INVASIVE TEST PARAMETER

Rapid test

- 1. Malaria Test
- 2. Typhoid Test
- 3. HIV I & II Test
- 4. Chikungunya
- 5. Leptospira
- 6. Dengue Nsl
- 7. Dengue IgM/ IgG
- 8. Hepatitis B
- 9. Hepatitis C
- 10. scrub typhus
- 11. Syphilis

Blood test

- 1. Glucose test
- 2. Hemoglobin test

Lipid profile test

- 1. Total cholesterol
- 2. Low-density lipoprotein (LDL)
- 3. High-density lipoprotein (HDL)
- 4. Triglycerides
- 5. LDL HDL Ratio

ADVANCED DIAGNOSIS LAB: INVASIVE TEST PARAMETER

- **Biochemistry Analyzer Test**
- **Lipid profile (Basic)** (HDL, LDL, Triglycerides, Cholesterol)
- **Lipid Profile (Advance)** (ApoA1, APOB)
- **Kidney profile function test (basic)** (Urea, Uric acid, Creatinine, Calcium Potassium, Micro albumin, Micro Protein, Phosphorous
- **Liver profile/Function test (Basic)** (SGOT/ALT, SGPT/AST, Alkaline Phosphate, Bilirubin Total & Direct, Albumin, Total protein)
- **Liver profile/ Function test(Advance)** (Amylase, Lipase, LDH)
- **Diabetic profile** (Glucose, HbA1c)
- **Myocardial infraction** (Ck-Mb)
- **Muscle Damage / Monitor traetment** (Ck-NAC)
- **Inflammation in acute / Chronic disorder** (CRP)
- **Rheumatoid Arthritis** (RA/RF)
- **Strep infection** (ASO)
- **Risk of poisoning** (Cholinesterase(S.L.))
- **Nutrition's deficiency** (ZINC, COPPER)
- **Anemia** (TIBC,IRON)

CBC analyzer test (Invasive Test)

- White blood cells (WBC)
- Lymphocytes (LYMPH#)
- Mid cells (MID#)
- Granulocytes (GRAN#)
- Percentage of lymphocytes (LYMPH%)
- Percentage of mid cells (MID%)
- Percentage of granulocytes (GRAN%)
- Red blood cells (RBC)
- Hemoglobin (HGB)
- Hematocrit (HCT)

Case Summary: Mobile Health Clinic – Nagpur

Project Title:

“FIRTA DAWAKHANA” – A CSR Initiative for Inclusive Healthcare Access

Location:: Nagpur District, Maharashtra

**Implemented By: Phoenix Microsystems(Authorized Manufacturer), Revmax
(Channel partner)**

CSR By: ICICI Bank

**Inaugurated By: Hon’ble Shri Devendra Fadnavis ji
Chief Minister, Maharashtra**



As part of its commitment to social responsibility and public health, Phoenix Microsystems, under its CSR initiative, proudly launched a state-of-the-art Mobile Health Clinic (**FIRTA DAWAKHANA**) in Nagpur.

This unit was inaugurated by Hon'ble Shri Devendra Fadnavis ji, with the vision to deliver free health checkups and preventive care services across both rural and urban regions of the district.

Objective:

To bridge the gap in accessibility to primary healthcare by offering free diagnostics and health awareness programs through a fully equipped mobile medical unit.

This fully equipped mobile unit provided essential diagnostic tests, health consultations, and awareness sessions directly to people in rural villages and low-income urban areas. The project reached thousands of beneficiaries, enabling early detection of lifestyle diseases, promoting preventive care, and easing the burden on government hospitals. By combining technology with accessibility, this initiative became a model for community-based mobile healthcare delivery and demonstrated the power of private sector contribution to public health.

Impact:

- Covered rural outskirts and urban slums across Nagpur district
- Conducted thousands of free health screenings
- Created awareness on lifestyle diseases, hygiene, and preventive care
- Ensured timely referrals to nearby health centers for high-risk patients
- Strengthened local government and NGO efforts in community health outreach

Outcome:

The initiative has been highly appreciated by the local administration and citizens. It showcased how a public-private partnership model powered by CSR funding can deliver real, measurable impact in improving community health outcomes.

Phoenix Microsystems remains committed to expanding such initiatives across Maharashtra and India, bringing quality healthcare to the doorstep of every citizen.

Location:: Baramati Maharashtra

**Implemented By: Phoenix Microsystems(Authorized Manufacturer), Revmax
(Channel partner)**

CSR By: ICICI Bank

**Inaugurated By: Hon'ble Shri Ajit Dada Pawar ji
Deputy Chief Minister, Maharashtra**





Thank You!

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FOR A HEALTHIER
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