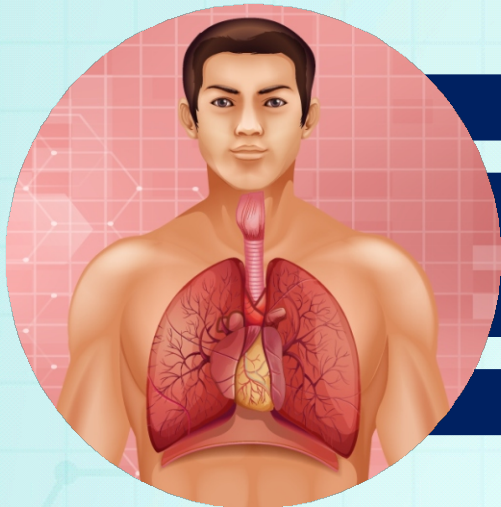


Mobile AI Enabled Kuriya Respiratory Screening Khan



329 Million COPD bora globally affect huwa khan

19.5 lakh TB cases

65 Million In dia COPD logot bache

5 lakh TB-bora muriya India teh

**Audiometric Analysis
Machine Learning chulaina**

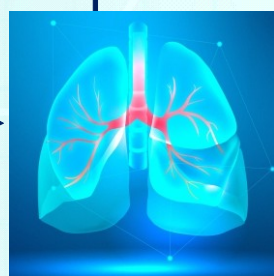
General Lung Health: Spirometry+

- Respiratory Problem: Hoi/Nahoi
- Pattern: Obstructive/Restrictive
- Severity: High/Medium/Low
- FEV1 aro FEC
- FEV1/FEC Ratio



General Lung Health: Rich Data

- Wet Cough Count
- Dry Cough Count
- Lung Health Index (LHI) [®]
- Cough & Energy Plots
- Spectrograms



**Respiratory
Questionnaire**

Machine Learning
Tens of thousands of
Data Points khan

Disease Prediction

- COVID-19
- Pulmonary TB
- COPD
- Bronchitis
- Asthma
- Pneumonia
- ILD

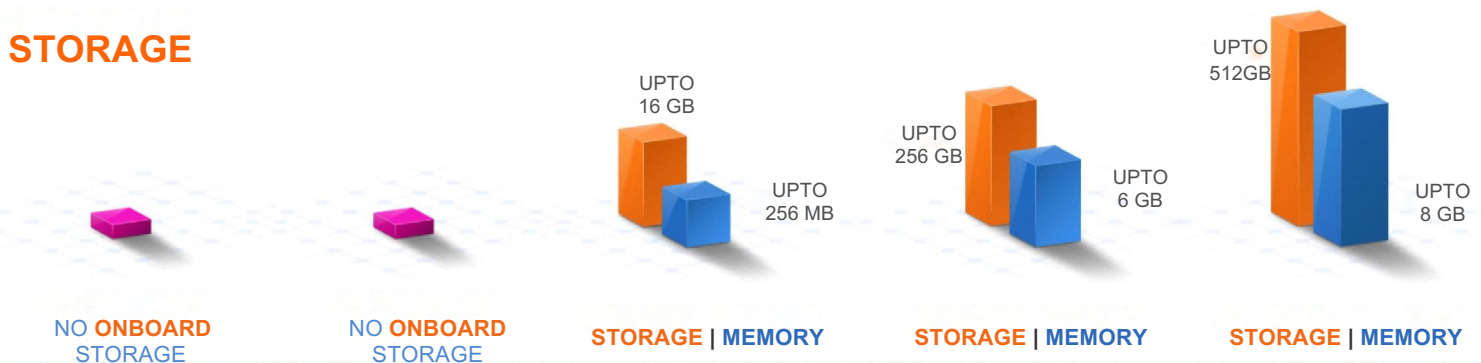
EVOLUTION FROM 1G TO 5G



DEPLOYMENT SAAL



STORAGE



OUTCOMES - NORTH EAST'S SDG 2030 GOALS

S. No.	Parameter	Impact
1.	SDG 3-bhal sehat aro Well Being	<ul style="list-style-type: none"> ✓ Treatment laga cost kure. ✓ Reduce Out of Pocket especially travel aro accommodation laga dam toh Diagnostics Tests alag cities /states nimate. ✓ Improves Quality improve kure Community Health Screening In Remote Areas laga. ✓ Ghor teh hey Long Term Care of Senior Citizens laga bissi Co Morbidities logote. ✓ Helps overcome treatment barriers on account of lack of availability / limited availability of Doctors / Medical Technicians / Expensive Machinery.
2.	SDG 4- Quality Education	<ul style="list-style-type: none"> ✓ Train Youth From the Northeast In Next Generation Telecom Ecosystem for self-employment/job opportunities etc. ✓ Improved Quality of Teaching By Healthcare / Educational Institutions by enabling the use of immersive learning tools like AR/VR/MR etc. ✓ MOOC Courses to remove barriers to access to knowledge in an emerging knowledge economy.
3.	SDG 5- Gender Equality	Open New Economic Opportunities for Women (Special focus community healthcare / agriculture / handloom & handicrafts). * Report of GSMA [Global System for Mobile Communications] says that there is a considerable gender gap in mobile ownership (14%) and mobile internet use (41%) wherein lack of awareness and digital skills are among the top barriers to <i>mobile internet adoption and usage among women</i> .
4.	SDG 9 - Industry, Innovation & Infrastructure	<ul style="list-style-type: none"> ✓ SME Ecosystem to Make, Repair, Recycle Next Generation Products Like IoT Devices. ✓ 5G Labs can be used for local youth for innovations.
5.	SDG12 - Responsible Consumption & Production	<ul style="list-style-type: none"> ✓ Promote Recycling of E Components. ✓ Reduce GHG (Green House Gas Emissions) since 5G Equipment's consume less energy compared to earlier Generation of Equipment's.