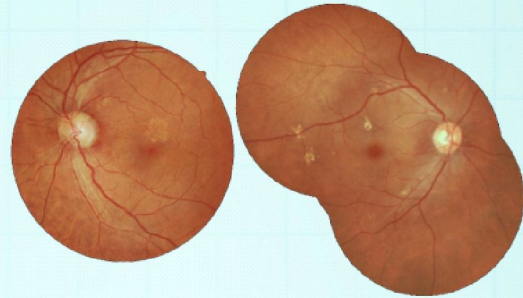


5G application Diabetic Retinopathy laga detection nimite

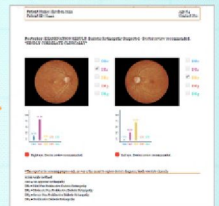
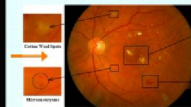
Fundus camera:



Images loi la



Etu la Process



Screening camp /
local health center
teh ekjot kuriya

Local coordinator
fundus image capture kuri
luwa sob attendees nimite
Artelusautomatic fundus
camera (NFC)

ArtelusDRiSTi A.I. images puri loi,
numerous abnormalities khan bisare
kuntu system ke puriya loishe lakh
images cholaina, aro screening report
seconds bitorte provide kuri deh,
internetconnectivity nathakilebi



Ek saal picheteh

abnormality
detected nai



Detection of Retinal
abnormality viz.,
Diabetic Retinopathy

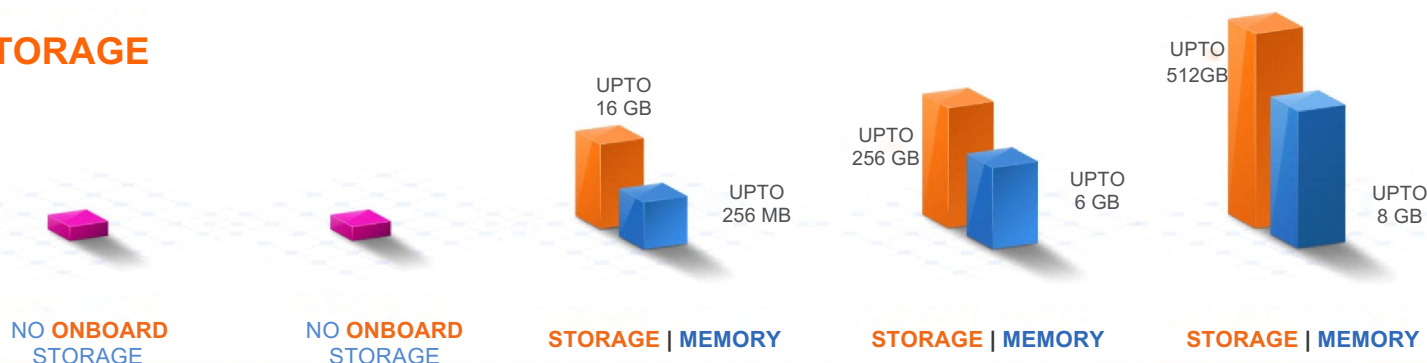
EVOLUTION FROM 1G TO 5G



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.