



Centre for Information and Communication Technology for Development

(ICT4D)



Mission: ICT for development and empowerment - by the community to the community

Vision: Effective usage of ICT for socio-economic development in PPP model

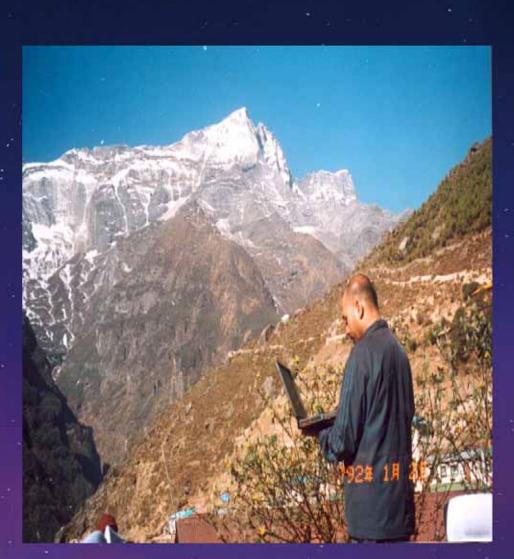
Objective:

- · Research to serve better with their "personalized" requirement
- Collaboration with community for the community
- Application relevance and timely
- Assistance and Training for the community
- · Advocacy Identification of policy gap and to develop strategy



One of the key challenges to narrow down the digital divide is - effective and sustainable backhaul connectivity in rural areas

- a major challenge to provide effective services like telemedicine





What is effective Broadband Service? Just service or value added service?

A controversial question - Are we leveraging broadband service by providing better service for Internet access only?

How does unserved or underserved areas in our country get benefit by Broadband Service?



Initiative on Telemedicine



Project: Broadband for Health (funded by Asia Pacific Telecommunity (APT) with grant assistance of Government of Japan) and Internet Society

Objective:

- Effective usage of broadband infrastructure for various applications
- Selection of appropriate, relevant and applicable hardware solutions for effective health service delivery
- Development of Health Information System for local analysis and effective reporting
- Taking health services to the needy people of rural areas

Project Area:

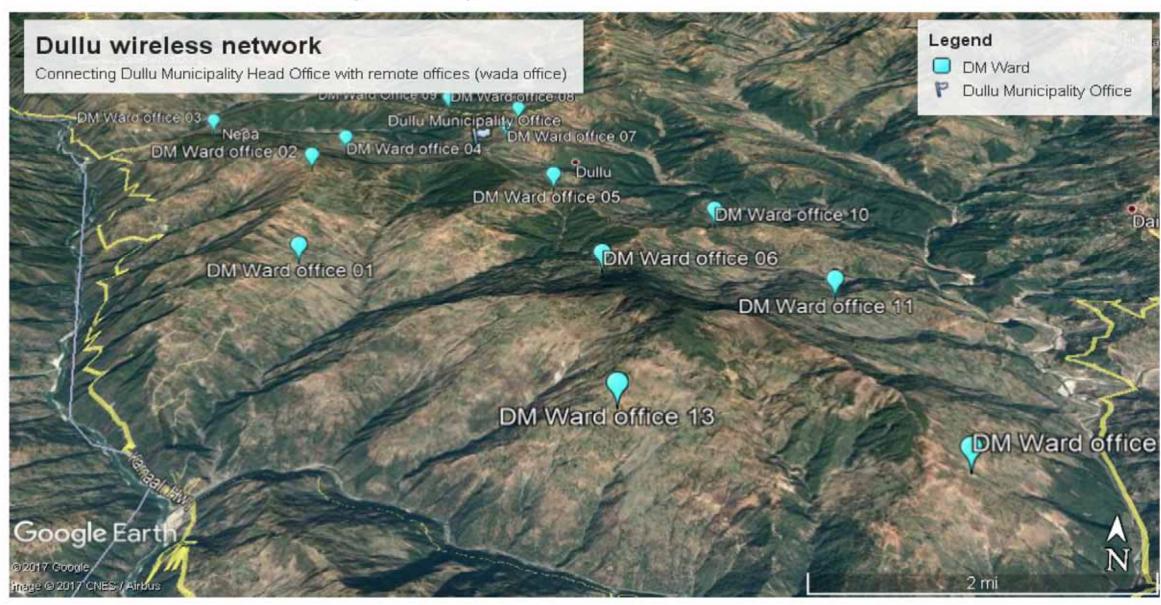
- Dullu Municipality in Dailekh District
- Collaboration with Municipality and District Hospital
- Population to be served : approximately 40,000 in 13 wada

Equipment to be used:

NCT Sistemas mobile/portable telemedicine kit



The Dullu Network (10 km)





Objective of Telemedicine: Dullu Experience



- Telemedicine is focusing on tele which means distance leads to gaps of technology, quick feedback, and time lag.
- Bridging the Gap Lack of Doctors, Specialists and Infrastructure
- Centralized Management of Electronic Health Records (Ward Office to Municipality to Hospital to Urban Hospitals)
- De-Centralized Health care delivery and management
- Medical Intelligence on Finger tips (not just medical service but also data analysis)
- Democratizing Affordable Healthcare and saving cost



Impact of Telemedicine: Dullu Experience



- equal health facility to all people at their door step
- Timely advices to the Doctor in rural area from urban area
- Skill enhancement of Doctors and/or paramedic person in remote areas
- Affordable health services as patient do not need to spend time on transportation and other social obligations
- Minimize migration from rural areas to peri-urban areas
- All in total, telemedicine is about multiple moving parts Public health, legal experts, technologists, business processes, health care providers. It is complex, but rewarding, when it works.



