



# 2<sup>nd</sup> TELEMEDICINE WORKSHOP

Telemedicine in Federal Nepal, Demystification of Knowledge for Equity

14th March, 2019, Kathmandu, Nepal

Organized By



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## Program Schedule

Date: 14 March 2019

Venue: Hotel Yellow Pagoda, Ganesh Hall, Kathmandu

MC: MS. Reema Siwakoti, Dr. Sudip Shakya

Time	Program	Presenters
9:00-9:30	Registration	Ms. Anita Shrestha, Mr. Udeep Baral
9:30-9:40	Welcome remarks and workshop introduction	Prof. Saroj Dhital, Center for Rural Healthcare & Telemedicine, pfect-NEPAL
9:40-9:50	Opening Remarks I	Prof. Shuji Shimizu, Telemedicine Development Center of Asia, Japan
9:50-10:00	Opening Remarks II ( Remote)	Prof. Ho-Seong Han, Seoul National University Bundang Hospital, Korea
<b>10:00-11:20</b>	<b>Session I : Role of Engineering in Telemedicine</b> <b>Chair: Mr. Lochan Lal Amatya, Ms. Kuriko Kudo (remote)</b>	<i>In this session, network/system engineer from various hospitals will make presentation focusing on their hospital network environment, network and system related problems they have been facing, and their plan to strengthen hospital network so that they can do better delivery of telemedicine/telehealth services.</i>
10:00-10:10	Roles and challenges in telemedicine	Mr. Rojen Shahi, Kathmandu Model Hospital/pfect-NEPAL 
10:10-10:20	NepalEHR ecosystem and roadmap for integrated healthcare delivery	Mr. Sanjay Poudel, NepalEHR/Nyaya Health 
10:20-10:30	Telemedicine in Kalikot - Technical aspects	Mr. Rtn.Ajang Bhandari, Raskot Hospital, Kalikot 
10:30-10:40	Telemedicine in NAMS, Bir Hospital	Mr. Tilak Sunuwar, Bir Hospital/National Academy of Medical Sciences
10:40-10:50	Telemedicine in Eastern Nepal: Challenges and opportunity	Mr. Anish Bhattarai, BP Koirala Institute of Health Sciences, Dharan 
10:50-11:00	Telemedicine in Teaching Hospital (IOM)	Mr. Gunjan Ranjitkar, Institute of Medicine, Tribhuvan University Teaching Hospital 
11:00-11:10	Virtual classroom: Analysis of students' feedback	Mr. Pramod Jnawali, Patan Academy of Health Sciences 
11:10-11:20	Condition of IT in NREN members institutions	Mr. Niraj Acharya, Nepal Research and Education Network 
<b>11:20-11:35</b>	<b>Tea Break</b>	
<b>11:35-13:00</b>	<b>Session II: Applications of Telemedicine Services</b> <b>Chair: Prof. Saroj Dhital, Dr. Tomohiko Moriyama</b>	<i>This session aims at presenting various clinical experiences and technical difficulties felt by health workers among the participants. The session will also shed light on the contribution of telemedicine in dealing with medical cases.</i>
11:35-11:47	Challenges of rural telemedicine: An experience from Myagdi	Dr. Rajkumar Dangal, Nangi Rural Healthcare Center/ pfect-NEPAL 
11:47-11:59	Telemedicine in Federal Nepal: An experience	Dr. Sandesh Mainali, ASK Foundation 
11:59-12:11	The role of Electronic Health Record in care delivery in remote Nepal - 3 years experience of Dolakha	Dr. Binod Dangal, Charikot Hospital 
12:11-12:23	Potential role of telemedicine in the growth of health insurance in Nepal	Dr. Subhash Pyakurel, Health Concern Nepal 
12:23-12:35	Telenursing in Nepal	Ms. Radhika Ghimire, Kathmandu Model Hospital/pfect-NEPAL 
12:35-12:47	Telemedicine in academic institution	Prof. Pradeep Vaidya, Institute of Medicine, Tribhuvan University Teaching Hospital
12:47-13:00	Future OPD starts at home	Dr. Bishal Dhakal, Health at Home 

Time	Program	Presenters
13:00-14:00	<b>Lunch (Restaurant, Ground Floor)</b>	
14:00-15:10	<b>Session III: Future of Telemedicine in Nepal: Policy, Technology options and recent advancements in Telemedicine</b> Chair: Dr. Bhushan Raj Shrestha , Prof. Pradeep Vaidya Moderator: Dr. Udaya Koirala	<i>This session aims at discussing on policies and future of telemedicine in Federal Nepal.</i>
	Introduction of video conferencing systems for telemedicine	Dr. Shintaro Ueda, Telemedicine Development Center, Kyushu Universtiy Hospital 
	Broadband infrastructure for effective telemedicine services	Mr. Pavan Shakya, Centre for ICT4D Nepal/US 
	Improvement of medical services through wider broadband	Mr. Ramon Jose Muela Tudela, NCT Sistemas 
	Future of telemedicine in Nepal	Dr. Mahabir Pun, National Innovation Center (Remote) 
	Quality standard and regulation in telemedicine practices	Dr. Dipendra Raman Singh, Quality Standard and Regulation Division, MOHP
	Policy planning and monitoring of telemedicine	Dr. Bikash Devkota, Policy planning and monitoring Division, MOHP
	Telemedicine in health insurance	Dr. Madan Upadhyaya, Former Director, Health Insurance Board, MOHP
15:10-15:25	<b>Photo Session : Group Photo</b>	
15:25-15:40	<b>Tea Break</b>	
15:40-17:30	<b>Session IV: Group Discussions and Presentations</b> Chair: Prof. Bishnu Dutta Poudel, Dr. Bijendra Dhoj Joshi Moderator : Mr. Rajan Parajuli	<i>This session aims to discuss various problems that healthcare providers and engineers have been facing while providing telemedicine services in Nepal. To achieve the said objective, we will form 5 groups. Each group will identify a problem and then come up with a possible solution. After the group discussion, leader of each group will report their work. The results will help develop effective telemedicine intervention in Federal Nepal and develop declaration which will be useful for the policy of the nation.</i>
15:40-16:40	Group discussions and preparations	
16:40-17:30	Sharing results of discussions by each group	
17:30-17:45	Declaration and closing remarks	Mr. Lochan Lal Amatya, Nepal Research and Education Network
17:45-17:50	Certificate distribution	Prof. Shuji Shimizu, Telemedicine Development Center of Asia, Japan
18:15-20:00	<b>Dinner</b>	

*“This publication has been produced by the assistance of the European Union. The contents of this publication are the sole responsibility of, NREN, Telemedicine Society of Nepal and TEMDEC/ Kyushu University and can in no way be taken to reflect the view of the European Union”*

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## Participants



### • Speaker



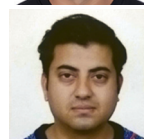
**Dr. Binod Dungal**  
Charikot Hospital  
Nyaya Health Nepal  
Dolakha



**Dr. Rajkumar Dungal**  
Nangi Rural Healthcare Center  
phect-NEPAL  
Myagdi



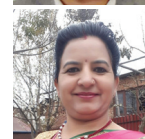
**Dr. Subhash Pyakurel**  
Health Concern Pvt.Ltd  
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**Dr. Sandesh Mainali**  
ASK Foundation  
Kathmandu



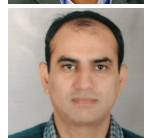
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Raskot Hospital, Kalikot



**Ms. Radhika Ghimire**  
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**Dr. Pradip Vaidya**  
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**Mr. Niraj Acharya**  
Nepal Research and Education  
Network



**Mr. Rojen Shahi**  
Kathmandu Model Hospital  
phect-NEPAL Kathmandu



**Mr. Pramod Inawali**  
Patan Academy of Health Science  
Patan, Lalitpur



**Mr. Gunjan Ranjitkar**  
Institute of Medicine, TUTH  
Kathmandu, Nepal



**Mr. Tilak Sunuwar**  
National Academy of Medical Sciences  
Bir Hospital



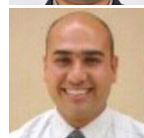
**Mr. Anish Bhattarai**  
BP Koirala Institute of Health  
Sciences  
Dharan



**Mr. Sanjay Poudel**  
NepalEHR  
Nyaya Health Nepal Kathmandu



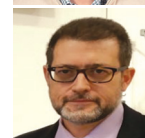
**Dr. Bishal Dhakal**  
Health at Home



**Mr. Pavan Shakya**  
ICT4D



**Dr. Mahabir Pun**  
National Innovation Centre (Remote)



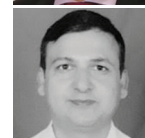
**Mr. Ramon Muela Tudela**  
NCT Sistemas



**Dr. Bikash Devkota**  
Policy Planning and Monitoring  
Division, MOHP



**Dr. Dipendra Raman Singh**  
Policy Planning and Monitoring  
Division, MOHP



**Dr. Madan Upadhyaya**  
Ministry of Health & Population



**Prof. Ho-Seong Han**  
Seoul National University Bundang  
Hospital, Korea (Remote)



**Dr. Shuji Shimizu**  
Doctor  
Japan



**Dr. Shintaro Ueda**  
Engineer  
Japan

### • The Information Technology Sector



**Mr. Narayan Chhetri**  
NepalEHR  
Nyaya Health Nepal Kathmandu



**Ms. Muna Aryal**  
Nepal Medical College



**Mr. Rakesh Kumar Das**  
B.P. Koirala Institute of Health Sciences  
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**Mr. Arvind Thakur**  
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**Mr. Lokendra Singh Dhami**  
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**Mr. Saran Shrestha**  
Dhulikhel Hospital Kathmandu  
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**Mr. Sudhatma Karki**  
Tilganga Institute of Ophthalmology



**Mr. Pradeep Kumar Chaudhary**  
Manakamna Community Hospital

### • Participants



**Mr. Krishna Pun**  
Nangi Health Community, Nepal  
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**Mr. Saroj Maharjan**  
Manmohan Memorial Community  
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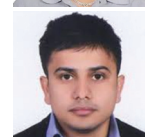
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Myagdi District



**Ms. Chandani Ghale**  
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Ramche, Magdi District



**Mr. Udeep Baral**  
ISOC Nepal



**Mr. Ravi Bajracharya**  
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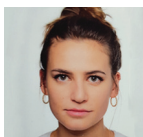
## Participants



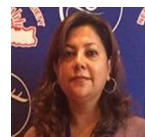
### Doctors



**Prof. Bishnu Dutta Paudel**  
National Academy of Medical Sciences, Bir Hospital / TMSO



**Dr. Juliane Prediger**  
University of Leipzig, Germany



**Dr. Pratibha Lama Joshi**  
Tilganga Institute of Ophthalmology



**Dr. Satyam Rimal**  
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**Dr. Pramendra Prasad Gupta**  
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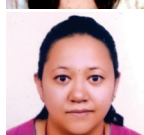
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**Dr. Nijina Tamarkar**  
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**Dr. Amit Bista**  
Humla District Hospital

### Telemedicine Development Center Of Asia



**Dr. Shuji Shimizu**  
Doctor  
Japan



**Dr. Tomohiko Moriyama**  
Doctor  
Japan



**Dr. Kuriko Kudo**  
Engineer  
Japan (Remote)



**Dr. Shintaro Ueda**  
Engineer  
Japan



**Ms. Ryoko Yoshida**  
Japan

### Local Organizer Team



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**Mr. Lochan Lal Amatya**  
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**Dr. Bhushan Raj Shrestha**  
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**Mr. Kishor Panth**  
Nepal Research and Education Network



**Mr. Naresh Prasad Shrestha**  
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**Mr. Rajan Parajuli**  
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**Ms. Anita Shrestha**  
Nepal Research and Education Network



**Mr. Nirajan Parajuli**  
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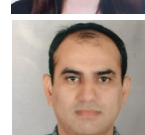
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**Mr. Rupesh Bhakta Shrestha**  
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**Mr. Niraj Acharya**  
Nepal Research and Education Network

# NATIONAL TELEMEDICINE WORKSHOP KATHMANDU, NEPAL 2019

## Correction List

10:10-10:20 Session I: Role of Engineering Network in Telemedicine –NepalEHR ecosystem and roadmap for integrated healthcare delivery  Mr. Sanjay Poudel, NepalEHR/Nyaya Health	→	<b><i>Changed</i></b>  <b><i>10:10-10:26</i></b> Session I: Role of Engineering Network in Telemedicine –NepalEHR ecosystem and roadmap for integrated healthcare delivery  Mr. Sanjay Poudel, NepalEHR/Nyaya Health
10:20-10:30 Session I: Role of Engineering Network in Telemedicine –Telemedicine in Kalikot – Techniical aspects  Mr. Rtn. Ajang Bhandari, Raskot Hospital, Kalikot	→	<b><i>Changed</i></b> <b><i>10:27-10:40</i></b> Session I: Role of Engineering Network in Telemedicine –Telemedicine in Kalikot – Techniical aspects  Mr. Rtn. Ajang Bhandari, Raskot Hospital, Kalikot
10:20-10:30 Session I: Role of Engineering Network in Telemedicine –Telemedicine in NAMS, Bir Hospital  Mr. Tilak Sunuwar, Bir Hospital/BNational Academy of Medical Sciences	→	<b><i>Omitted</i></b>
12:47-13:00 Session II: Application of Telemedicine Services –Future OPD starts at home  Dr. Bishal Dhakal, Health at Home	→	<b><i>Changed</i></b> 13:45-14:00 Session III: Future of Telemedicine in Nepal: Policy, technology options and recent advancements in telemedicine –Future OPD starts at home Dr. Bishal Dhakal, Health at Home
13:00-14:00 Lunch Break	→	<b><i>Changed</i></b>  <b><i>12:47-13:45</i></b> <b><i>Lunch Break</i></b>
14:00-15:10 Session III: Future of Telemedicine in Nepal: Policy, technology options and recent advancements in telemedicine 1. Quality, standard and regulation in telemedicine practices - Dr. Dipendra Raman Singh, Quality, standard and regulation division, Ministry of Health and Population 2. Policy planning and monitoring of Telemedicine - Dr. Bikash Devkota, Policy, planning and monitoring division, MOHP	→	<b><i>Omitted</i></b>

3. Telemedicine in health insurance - Dr. Madan Upadhyaya, Former Director, Health Insurance Board, MOHP		
14:00-15:10  Session III: Future of Telemedicine in Nepal: Policy, technology options and recent advancements in telemedicine		<i><b>Added (VIP participant)</b></i>   Nepal Medical Council, Vice President Dr. Narayan Bikram Thapa
15:40-17:30 Session IV: Group Discussions and Presentations		<i><b>Speakers in group discussion</b></i> - <i><b>Dr. Kshitiz Chandra Poudel, Ampipal Hospital</b></i> - <i><b>Dr. Pooja B.C, Dullu Hospital</b></i>