



DigiNar-III: Challenges at the outbreak of COVID19 and the initiatives taken by NRENs

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Challenges

- Start of Covid-19 December, 2019 from Wuhan, China
- Lock down March 24, 2020
- ▶ Cancellation of APAN-49 (Mar 02-06, Kathmandu)
- ▶ Continuation of lobbying activities of NREN with UGC, Universities, Government and World Bank
- ▶ Continuation of collaborative activities with other partner NRENs
- ▶ Continuation of project on feasibility of expanding TEIN connection in seven Provinces of Nepal
- ▶ Lack of Human Resources in providing support for highly demanded online meeting services and and Surveillance system deployed to fight against Covid-19
- ▶ Providing service for students with poor or no Internet access or expensive

Mitigating Steps taken

- ▶ Providing necessary support on-line
- ▶ Mobilization of Volunteers for support
- ▶ Partnering with other like minded and interested organizations for synergic effect to fight against Covid-19

Visible Outcomes

- ▶ On-demand support in conducting video conference and Webinar services
- ▶ Providing Zoom license for NREN member institutions and Educational Institutes
- ▶ Development and Deployment of Nepal Covid-19 Surveillance System to support Government & Local bodies to fight against Covid-19



Nepal COVID-19 Surveillance System

Self-assessment of COVID-19 Triage Scale

Online Doctors to Monitor Persons in Self-quarantine*

Ambulance Service for Necessary Cases*

GIS based Decision Making System for Managing COVID-19 Pandemic

GET IT ON Google Play

* Currently available in Kathmandu Metropolitan City only.

Kathmandu Metropolitan City in association with NREN and its associates

Kathmandu Metropolitan City
www.kathmandu.gov.np
www.kathmandumetropolitan.gov.np

NREN
www.nren.net.np

phect
www.phect.gov.np

Innovative
www.innovativesolution.com.np

ICIS
www.icis.com

NADEN
www.naden.org.np

ICID
www.icidnepal.org

Use of Zoom

Users – 263

New Requests – 600+

Total Meetings – 4,115

- Tribhuvan University
- Kathmandu University
- Far Western University
- Hospitals & Medical Institutes
- Nepal Academy of Science & Tech.
- Research Institutes

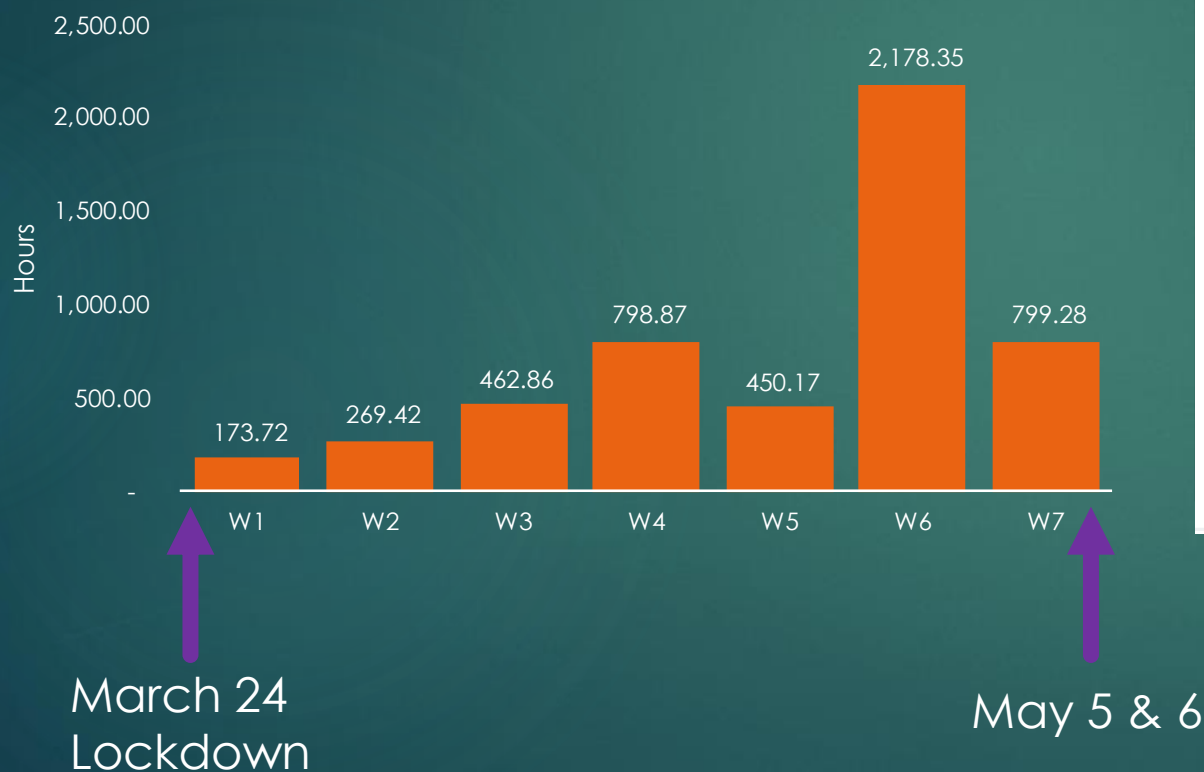


Top 10 Users By Meetings ▾

| | | |
|----|---|-----|
| 1 | Kathmandu University School of Me... | 188 |
| 2 | Public youth Campus | 145 |
| 3 | Dhulikhel Hospital | 140 |
| 4 | जनप्रिय मा वि (प्राविधिक शिक्षालय), हेटौंडा | 125 |
| 5 | Kathmandu University School Of Me... | 109 |
| 6 | Amit Bajracharya | 96 |
| 7 | KUSMS Online Class | 94 |
| 8 | Head CDP | 88 |
| 9 | Kathmandu University School Of Me... | 87 |
| 10 | Gandaki Medical College | 83 |

Meeting Hours (5,132.67)

Duration in Hours

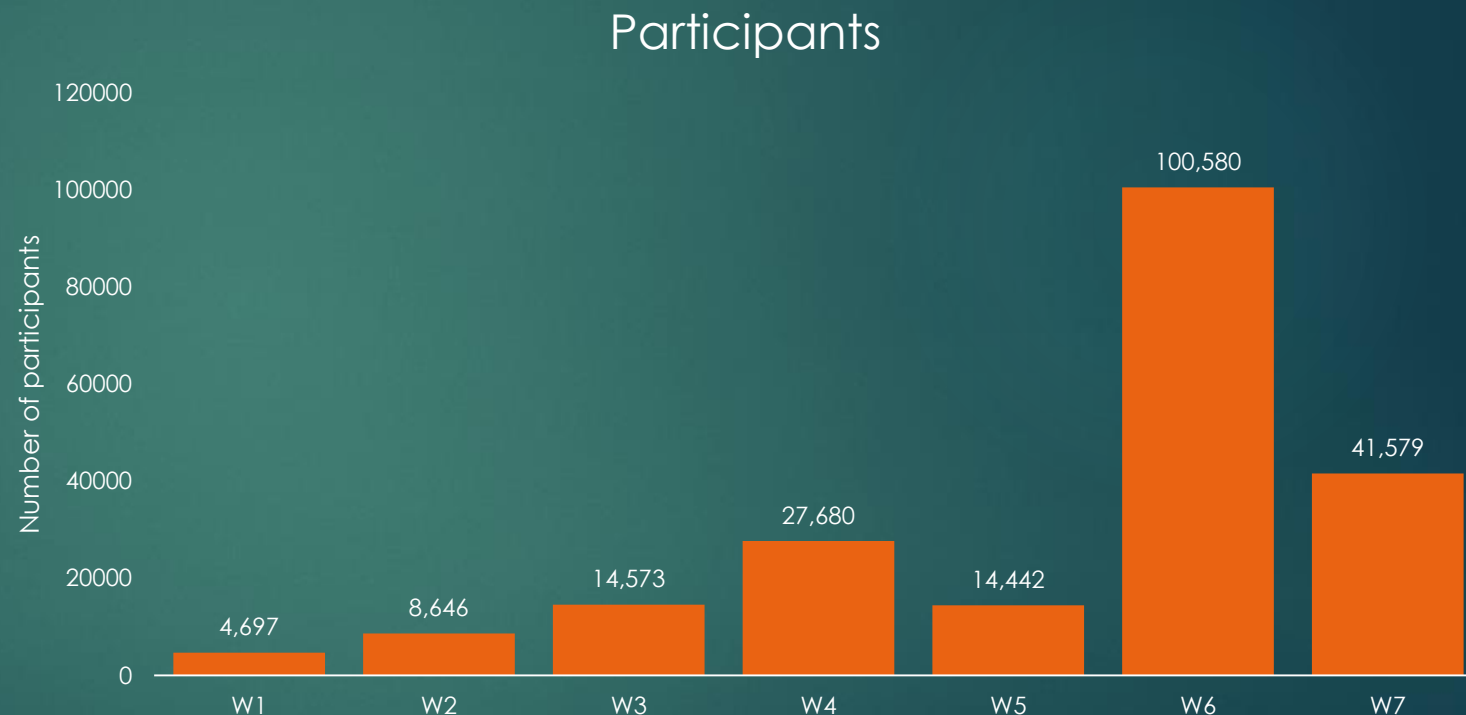


Top 10 Users By Meeting Minutes

| | | |
|----|--------------------------------------|--------|
| 1 | Kathmandu University School of Me... | 454959 |
| 2 | Head CDP | 387315 |
| 3 | Dhulikhel Hospital | 328355 |
| 4 | Nirajan Parajuli | 293319 |
| 5 | Gandaki Medical College | 252008 |
| 6 | Public youth Campus | 246917 |
| 7 | Kathmandu University School Of Me... | 240818 |
| 8 | SOM TU | 196946 |
| 9 | CDG TU | 192892 |
| 10 | Khwopa College of Engineering | 189953 |

Meeting Participants 212,197 (Beneficiaries)

- Students
- Researchers
- Local Governments
- Federal & Provincial Government
- Federal & Provincial Parliamentarians
- Institutions & People fighting against Covid-19



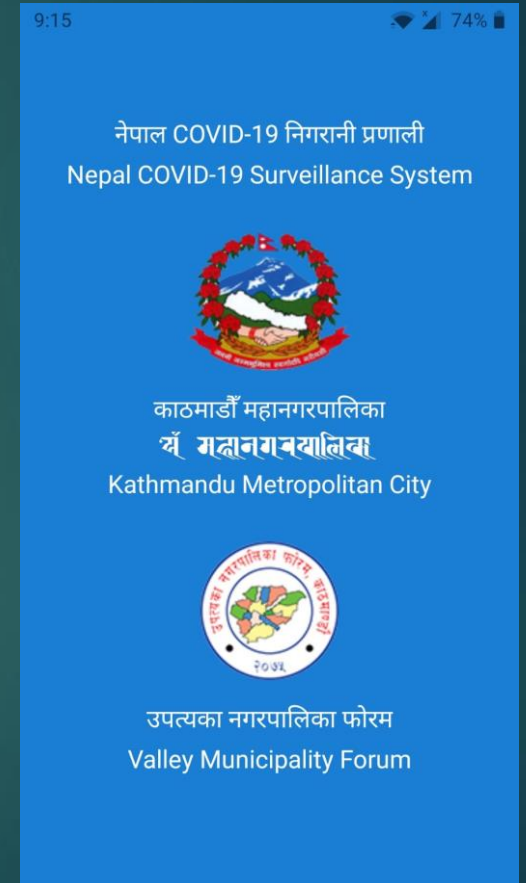
Webinars

| | | | |
|--------------------|-----------|--------------|---------------|
| Number of Webinars | 52 | Participants | 11,861 |
|--------------------|-----------|--------------|---------------|

- Air Quality of Kathmandu Valley - 27th April 2020
- The impact of COVID-19 on Energy Sector of Nepal & Way forward
- Quantum-Espresso and Data Visualization
- Future of Digitalization: Bridging the Digital Divide
- Cyber Security: Its Importance in the era of Technology
- Economy impact of COVID-19 by Delta Law
- Free Technical Webinar Series for Practicing Engineers
- Proposed Electricity Bill, 2076 & Energy Sector, by NEA

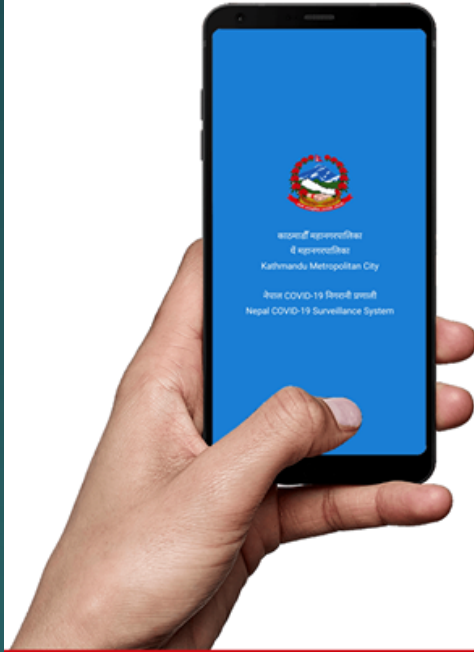
Nepal Covid-19 Surveillance System

- Self-assessment of possible infection of corona virus and keep a person in surveillance, if he/she has its symptom or has visited abroad or in contact with corona infected people.
- Mobile App-based self-assessment tool based on “Emergency Healthcare Covid-19 Triage Scale” designed on the basis of data of “25 International Expert WHO Team Finding of Covid-19 Symptoms in China”.
- The health status of the person in surveillance will keep monitor for 28 days by doctors on-line through its Dashboard.
- The full-fledged surveillance system is currently available for 34 municipalities within Kathmandu Valley and Kavre Valley. Self assessment tool is available for all over the Globe.



<https://play.google.com/store/apps/details?id=com.iclick.covid.new&hl=en>

Nepal COVID-19 Surveillance System



Self-assessment
of COVID-19
Triage Scale



Online Doctors to
Monitor Persons
in Self-quarantine*



Ambulance Service
for Necessary
Cases*



GIS based Decision
Making System for
Managing COVID-19
Pandemic



* Currently available in Kathmandu Metropolitan City only.



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www.kathmandu.gov.np
www.kathmanduonline.gov.np

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www.nren.net.np phectnepal.org innovativesolution.com.np iclicksms.com nadem.org.np ict4dnepal.org

<http://covid19.nren.net.np>

<https://www.facebook.com/nepalcovid19surveillance/>

Recommendation

- ▶ Extension of Zoom License
- ▶ Promotion of Learning Management System and Infrastructure for Distance Learning Facilities
- ▶ Continue lobbying after Covid to gov and other stakeholders for online education and Distance Learning
- ▶ Explore technology for optimization of using zoom
- ▶ NREN network extension and policy to use of Internet with REN
- ▶ Take Covid-19 Pandemic as opportunities for promoting and collaboration for NREN