

Pandemic and Innovation: Nepalese perspectives

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- Exploring the risk and opportunity imposed by COVID in Nepalese industrial sectors.
- What are the new and potential in product & product development, service creation & delivery, Process design and control, model and method (management method) development and adaptation or a combination thereof was adopted and will be needed in future .

Agriculture

- Farm products are disrupted to get market & farmers are worst hit due to poor market access.
- Poor match making between seller and buyer.
- Concept of self production and consumption such as Roof top farming (Kaushi Kheti) growing.
- Need for effective model and methods for exactly matching supply and demand for

Tourism sector

- Hotel and Restaurant are worse hit area for country.
- Hotel are converted for quarantine facilities but failed to support
- Restaurant goes Online support by mushrooming delivery services & mobile apps.

Banking

- Banks are hard hit area and almost 1/3rd banks staffs are suffered with COVID.
- Internet and online banking users are drastically increased.
- Still there is room for process and method innovation and technology development & adaptation in banking sector.

Education

- Education goes online.
- Technology based online education is new adaptation but still question for effectiveness.
- Process , model & method development for the effectiveness of online education is areas where innovation we are looking for.

Entertainment

- Traditional movies theaters are demolished.
- Online entertainment is furnished
- Private sector grasp this opportunity

Manufacturing

- FMCG manufacturing industries are under operation.
- Metal and Cement Industries are partially in operations.
- Small and Cottage industries are suffered.
- There is high risk of COVID -19 in mfg. industries.
- Hand sanitization facility and adaptation of PPEs are innovation in Work place.
- Industries failed to identified and adopt proper & adequate ventilation & other OSH issues.

COVID Created Opportunities

- Nepal Innovation center, an volunteers based orgⁿ worked for low cost PPE, ventilator development and maintenance of hospitals ventilators and med. Equip.
- Hospital with more than 100 beds shall installed the own oxygen plant.
- New industry for Liquid oxygen was immerge.
- Feasibility study is on final stage for Vaccine production in Nepal.
- Establishment of Sanitizer, mask industry
- PPE culture is fostering that support for OSH promotion too.

Future Collaboration activities areas

- Capacity building of relevant stakeholder for technology innovation and technology transfer .
- Support to Business incubation center
- Start up and scale up for indigenous technology and products.
- Development of technology innovation center
- Capacity building in Innovation Management system from industries and research centers.
- Support for adaptation of ISO 45001 and ISO 45003 in industries.