Operating #SafeBusiness under MCO

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WHY NOW?

- Some business entities remain crucial even during the MCOs period.
- BENEFIT: To minimize the risk of economic impact, and also to sustain livelihood.
- Categories business allowed to operate:
 - MCO 1 & MCO 2 : Food , Health , Transportation..
 - MCO 3: further 9 is operating

• RISK: Business premises can be the site of infection transmission - if SD guidelines is not adhered to.

Questions? On inherent RISK OF CONTAGION

- Is the rate of increase per day associated with "Total POIs that still open in the 1.5 km radius from patient case?
 - If yes, then can we quantify it?

- If 2, is yes can we further analyze what POI is associated with "the highest rate-of-increase" per day?
 - Can we say that , e.g. among all the POIs the existence of wet market, pasar borong, indicate highest rate of increasewhile existence of grocery store, convenience 24/7 is non significant?

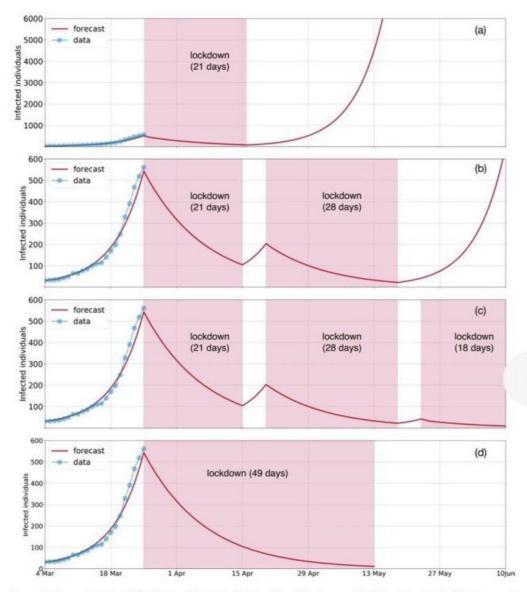


Figure 4. Forecast of the COVID-19 epidemic in India with mitigatory social distancing. Each of the four panels shows the variation in the number of infectives with lockdowns of various durations. The three-week lockdown starting 25 March does not prevent resurgence after its suspension as shown in panel (a). Neither does a further lockdown of 28 days spaced by a 5 day suspension, shown in panel (b). The protocols in panels (c) and (d), comprising of three lockdowns with 5 day relaxations and a single 49 day lockdown reduce case numbers below 10. This forecast is based on all cases being symptomatic so $\bar{\alpha} = 1$. The fit parameter is $\beta = 0.0155$ and we set $\gamma = 1/7$.

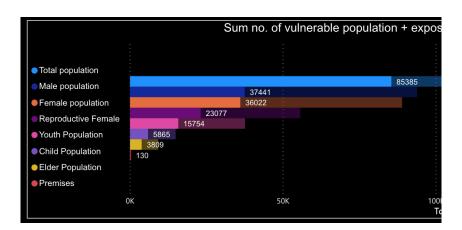
From this Research:

- Without any frameworks to Track and Trace, The Lockdown needs to continue for a longer period or parodically along the managed Curve determined by the Health Ministry.
- More Lockdowns would correlate to loss of revenue and would eventually cripple the economy.
- With the proposed Managed framework, Business continuity could happen whilst ensuring the infection is within the Curve's limits.
- This Framework aims to significantly reduce the spike after the lockdown (MCO).

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PROPOSED OPERATIONALIZATION (PETALING)

RANK	BUSINESS "MANAGED FRAMEWORK"	TOOLS / RESOURCES	
RED	*Register customer visit *Monitor compliances	Guidelines QR-based registry PBT Personnel	
ORANGE	*Track customers QR *Register customer visit	Guidelines QR-based registry	DN
YELLOW	*Track customers QR *Register customer visit	Guidelines QR-based registry	ESS
GREEN	*Track customers QR *Register customer visit	Guidelines QR-based registry	_





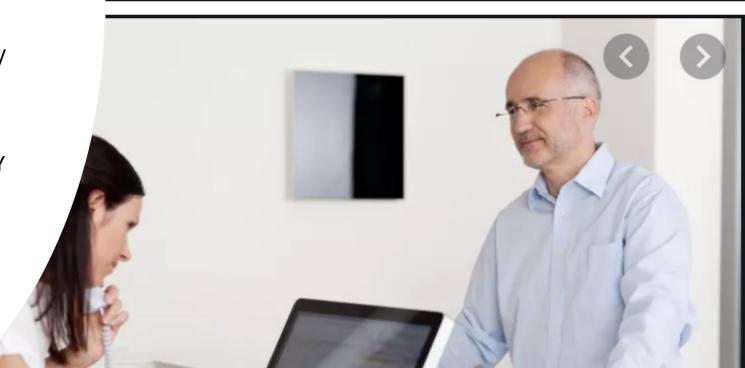
QR – based registry -Framework Description

 SIMILAR IN CONCEPT LIKE REGISTERING ALL VISITORS TO A PREMISE / LONG HAUL TRANSPORT

 TRACKING ALL THOSE IN THE SAME AIRPLANE / TRAIN COACH

 IN EVENT OF "POSITIVE CASES" HAD A HISTORY OF TRAVELLING / VISITING THE PREMISE — THEN WE CAN IDENTIFY OTHER VISITORS

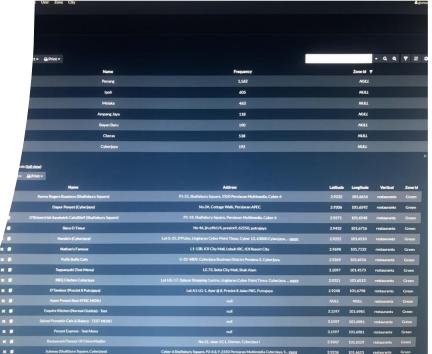




QR – based registry -Framework Description

- Aims to Flatten the curve of the COVID-19 spread in localised areas which are within the Movement Control territories.
- It presents a low cost low entry, easily adoptable and replicable solution. No Apps required. Only QR Code Scan. Available in all Smart Phones.
- Tracks Secured GPS Coordinates, Time Stamp, and Phone Numbers with a single QR Code Scan.
- Provides a mechanism to self track Individuals, Investigate an outbreak, Alert and Test Individuals that are in Risk and Prevent such occurrences.
- Provides a system to identify Individuals that are within the infected zone and trace the movement history.
- Inherently, after a lockdown (MCO), facts prove that the spike in infection occurs that merits another lockdown. With sufficient tracking, this numbers would be severely reduced.
- Introduce a GOLD Standard of Retail Disease Free (ie ISO for Health) that's adaptable by local businesses.





Retail Business Initiative Govt & Local Govt Authorities Public's Initiative Provide QR Code to all Retailers Displays QR Code at Entrance Self Scan QR Code **Before Entry** Checks QR Scan ID before Entry Data Securely stored Comes in for Health Screening ASAP Alerts Individuals and **Retailers of Risks Complies to Sanitising** and Health screening

Framework's Initiative

Public's Initiative

- Self Check In QR code at every Entry.
- Ensure to only patronise a Retail space that adheres to this Practice.
- Look for the GOLD standard Health measures issued by the relevant authorities
- .
- Practice Social distancing and practice proper hygiene.

Retail Business Initiative

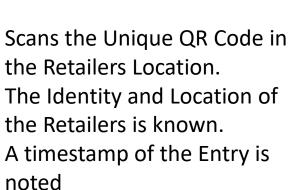
- Adhere to the GOLD standard of Health and Tracking initiatives
- Refuse entry / service for those that do not Self check In.
- Respond to calls to action by authorities to clear, sanitise and enforce refusal of entry by those that do not check in.
- Display the GOLD Health Standard for public assurance

Health Ministry and Authorities

- Provide a GOLD Standard for Public's Assurance that is displayed by the Retailers and the Self Check In QR Code.
- Use the Dashboard for quick tracing of Individuals and Retail Outlets that are within the Risk levels.
- Issue Call to Action to Individuals and Retailers for Tests and Sanitisation
- Investigate on the causation for the outbreak and provide a collective feedback on the health

Anatomy of a QR Code Scan, NO Apps Required.



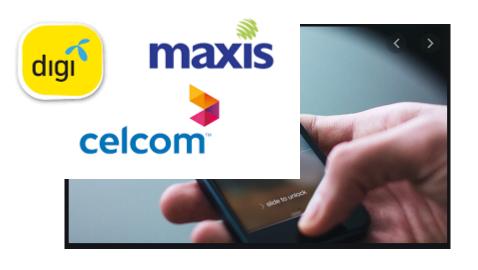


TIME



The QR Code contains a
Unique Identifier Link that
Informs us about the GPS
coordinates and Retailers
Identity

GPS



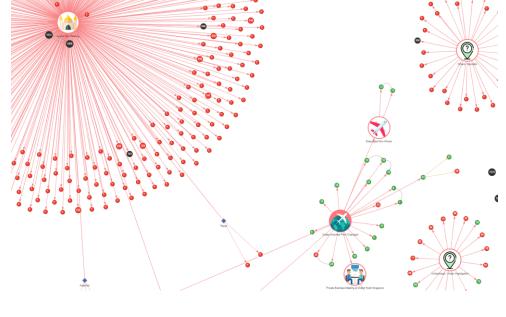
Major Telco Providers would provide the Phone numbers of the Users upon scanning the QR Code

@ The App will inform user of "Close-contact" incident with a +ve case – in case we fail a TELCO coop

(USER IDENTITY)

Authorities Dashboard





Phone Number Search:

TRACE ALL

Discover Individuals, Retailers and Locations

