Jayoti Vidyapeeth Women's University, Jaipur Centre of Planning, Integration and Correlation

Prototype -Lockdown Digital Gateway

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Introduction

The idea Originator Jv'n Dr. Panckaj Garg always strives for the fulfillment of community needs and through this prototype **"Lockdown Digital Gateway"** his team provides a Health Management tool to save the humans from this fatal corona pandemic and its spread. JV'n Dr. Panckaj Garg, Founder & Advisor along with his Team is fully involved in thinking & finding the ways how to eradicate Corona Virus. Jv'n Dr. Panckaj Garg acted as the chief mentor and all other authors as mentors, under the aegis of **"Centre of Planning, Integration and Correlation"** which acts for integration of research, further correlated with the ancient literature, invention and science & technology and planning being done at "University Thought Process Lab".

The idea Originator Jv'n Dr. Panckaj Garg suggests an approach and a digital software to break the lockdown successfully until the regular routine life of the citizens can be restored. This software can be made by the Public and Private organizations under Public and Private Partnership mode (PPP mode) so that each and every citizen of the country could be connected to the Government and the country can manage any disaster happened in future also.

The University has established Non Granted Innovation Centre, Incubation Centre, R&D Centre, Research Laboratories which have sufficient Research Resources & integrative supportive units for the development of prototype.

Working Principal

A process mechanism through a digital platform developed name as "Lockdown Digital Gateway", in which all citizen register their details –Name, Aadhaar Card no, Mobile No with Geo tagging. It is divided into two steps –During Lockdown & Breakdown to Lockdown. After filling the portal it provides the details of their health condition through this portal on daily basis. The all details filled by the person will be helpful for the proper monitoring by Government of India (GOI) for the proper monitoring & management to fight COVID-19. Everyone must fill the daily information about their health status like cough, cold, temperature, sneezing, body ache etc on 'Lockdown Digital Gateway' which will be further analyzed by the team of medical experts in case of symptoms of COVID 19. The data will be used to measure & monitor the cases.

If the Government announces the Breakdown procedure in advance the people will stay at their home and do exercise leading to Immunity boost for availing Green/yellow Card generated from this digital software.

During Lockdown if any person wants to go outside the boundary of the panchayat /urban ward / district / state / country a Performa must have to fill with health condition & Certificate must be certified by Head of the house with his/ her digital

signature. Then the concern authority will be authorized to allow or not on the basis of filled details. On the basis of filled information on the portal regarding complete details with Aadhaar Card & mobile number a Automatic system generated gate pass *(Software system integrates the previous issued gate pass entries for verification)* of specific duration pass for emergency workers/essential shopkeepers will be issued with specific color barcode pass. When Government want to break the Lockdown two days before all household have to fill compulsorily required information at "Lockdown Digital Gateway'' and obtain color bar code Gate Pass or renew the old passes. During this period of Lockdown, if any person found violated the rules, suspected/ infected then they will immediately shift to Quarantine Centres and their gate pass colors will be changed.

Government could also spread the Social message **"Only Green meet to Green"** so that the citizens save themselves, their family members and the whole Nation when Lockdown open.

The Flow and Process of the Digital Software on following Prototype Procedure

"Lockdown Digital Gateway" for issue Gate Pass to exit from Lockdown Boundaries		
	1.	All citizens register themselves at the "Lockdown Digital Gateway" to obtain a gate pass after providing their health details to the Government of India on a daily basis. Government of India should make sure that all the citizens should register themselves at "Lockdown Digital Gateway" & provide the details of their health condition through this portal on daily basis.
During Lock Down	2.	Every person have to enter his/her Mobile No, Aadhaar Card No/ Voter ID No. with Geo tagging on "Lockdown Digital Gateway" mandatorily. The portal works on Central Monitoring System and Geo tag each & every person. Everyone has to enter his/her Mobile No, Aadhaar Card No/ Voter ID No. with Geo tagging on "Lockdown Digital Gateway" mandatorily & it will be helpful for the monitoring by GOI for the proper management to fight COVID-19 and other disasters.
	3.	Minors' information will also be saved on this portal. For minors, parents / guardians provide information and enter mobile number, Aadhaar number / voter ID number with geo tagging on the digital gateway.

	4.	Everyone must fill the daily information about their health status like cough, cold, temperature, sneezing, body ache, fever etc on 'Lockdown Digital Gateway' which will be further analyzed by the team of medical experts in case of symptoms of COVID 19. The data will be used to measure & monitor the cases. ⇩
	5.	Every person should fill a mandatory form as follows if someone wants to go outside their boundaries of panchayat /urban ward / district / state / country during lockdown. Performa for each person must have following details- G - No Exit from house during lockdown – No sign & symptoms of sneezing, cough, cold, fever & sore throat Y- Exit from house during lockdown –No sign & symptoms of sneezing, cough, cold, fever & sore throat. R- Exit from house during lockdown and having symptoms of sneezing, cough, cold, fever & sore throat. The Certificate must be certified by Head of the house. ⇩
Breakdown To Lockdown	6.	On the basis of the filled information, the concerned authorities may be able to give permission or refuse the gate pass. In case they refuse for granting the permission they will also provide an alternative solution to resolve their problems. ⇩
	7.	Government of India should provide all necessary & proper information regarding COVID 19 & health advises or any necessary updating time to time. "Lockdown Digital Gateway" will also provide and update the health advises or any necessary updation by Government of India time to time. ⇩
	8.	On the basis of filled information on the portal regarding complete details with Aadaar Card & mobile number a Automatic system generated gatepass *(Software system integrates the previous issued gate pass entries for verification)* of duration on 24 Hrs. /48 Hrs. /Daily pass for emergency workers/essential shopkeepers will be issued with specific Green/Yellow/Red color barcode pass.

		On the basis of information (As per point No. 5), these color based passes with barcode will be given by Government. R - Rest and go to quarantine; check up by Doctors and do not allow crossing sealed boundaries. G –Medically fit and allowed to cross sealed boundaries. Y - Go to Doctor for checkup. After checkup, if found fit, then allowed to cross the sealed boundaries. After showing these Green/Yellow/Red pass only, they will be identified and allowed to meet and cross the permissible boundaries of panchayat / urban ward / district / state / country thus its helps to identify the person that, he is Infected/ Non infected/Suspected. The Government could spread this Social message "Only Green meet to Green" to save yourself, your family and the whole Nation when Lockdown open. When Lockdown will open completely by the Government, two days before all the households have to fill compulsorily required information at "Lockdown Digital Gateway" and obtain colour bar code Gate Pass or renew the old passes as per above mentioned point no. 5 *(Software system integrates the previous issued gate pass entries for verification)* to cross the specified boundaries of panchayat / urban ward / district / state / country for further smooth functioning.
	9.	During this period of Lockdown, if any person found violated the rules, suspected/ infected then they will immediately shift to Quarantine Centres and their gate pass colors will be changed. Non infected Person "Green Card Holder" will be allowed for further functioning.
After Lockdown	10.	This "Lockdown Digital Gateway" may also useful to help Government of India in any other purpose to control/ manage such conditions like Crime/ Disaster etc in near future to restrict particular person in particular region.

Colors bar Code Gate Pass

Dr. Panckaj Garg	Color Code	**Green**
Mobile No.		**Red**
Dependent Family no.		**Yellow**
Bar Code		
Permissisable Boundary:		

Conclusion

The **"Lockdown Digital Gateway" would enable the Government to have centralized data of its citizens. Through this,** Government could monitor citizens' health periodically. This could be a medium to maintain social distancing as the gate pass could be issued digitally on mobile number provided by the citizens which results in less/no transmission of virus.

If the Government announces the Breakdown procedure in advance the people will stay at their home and do exercise leading to Immunity boost for availing Green/yellow Card generated from this digital software. They will also register and update their information on digital software on time.

This software would provide a transparent system of monitoring during step by step breakdown to lockdown. The Centralised information stored in the software would be useful for the Government for future disaster management or any other purpose.

During this crucial pandemic worldwide there is a need that everyone ensures their participation to successfully defeat COVID 19 by registering themselves in this portal. The portal will help a well developed mechanism portal for monitoring government as well as all citizens to know their health condition. This is also Geo tagging portal to trace the location to help & identification. This is a transparent portal so that it will easy for all authorities and different health centers.