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For consideration under COVID -19 Initiatives by NITs

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Title: Smart Shopping System to maintain social distancing

Category: I can fill

OUTCOME/ABSTRACT/DESCRIPTION:

Problem Statement
Developing software to check and limit the purchases made by a family in markets and departmental stores, and giving date/time for purchasing essential goods, using Aadhar card as a tracking mechanism. This will help to reduce the crowd, prevent panic buying, and ensure commodities are available to all

Abstract
CORONA, an infectious pandemic affects the well-being of mankind in various ways. Apart from its direct health impacts, it affected many nations socially, technically and economically. Due to this pandemic, many nations across the globe implemented lock-down as a preventive measure. During this crisis, some involve in the process of hoarding of goods. This activity leads to lack of availability of necessary goods to many unprivileged people in the nation. Thus it's need of the hour to prevent the hoarding of such goods. To regulate the sale of such goods, we planned to restrict the unnecessary movement of people which also aids in promoting social distancing.   **AGALAAN**, software developed to regulate the social distancing with the constraint that only one person from a family is allowed to buy the necessary goods for their home with limited frequency based on their purchase history. The data of purchaser is collected with the help of AADHAR number and the data of goods is collected from the bill generated. With this information, the eligibility of a purchaser to buy goods is determined. This helps in overcoming two important issues of the hour – social distancing and hoarding of goods.

Expected Time-line: 3 Months

Remarks: Funding requirement -Rs. 1 Lakh

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