# AI Enabled Decision Support System for Reaching out to Each Individual through Data for Health Care Services

Poovammal E. [iD][1], Durga R.[2]

School of Computing, SRM Institute of Science and Technology, Kattankulathur-630203, India

poovammals@gmail.com[1], emailtodurgasaravanan@gmail.com[2]

**Abstract**

In this digital era, almost the entire globe is struggling to deal with pandemic diseases like Corona. Every nation is equipped with powerful and abundant data as well as advanced & sophisticated tools to derive highly valuable information from such powerful Big Data. The analytical tools which work on Big Data could have identified patterns for analysis by the medical/ public health experts, predicted the outbreak and recommended possible solutions.

The solutions could be

    (i)    Investing in research to produce the best medicines for quick recovery and/or to produce a vaccine for prevention.

    (ii)    Reach out to each individual and educate them on preparing themselves for precaution and for adhering to the rules insisted by the governing body strictly.

    (iii)    Predicting the requirement of medical equipment/medicines/dwelling places for the sick and giving an alert message/orders for production of those to the right manufacturing companies

    (iv)    Arriving at a new method/procedure from the insights of data that is unknown to date.

Yet, many of the countries were helpless in controlling the pandemic diseases since the solution decided could not reach out to the individuals, who are supposed to take part in implementing the solutions. Hence this research focuses on finding out the ways and means of reaching out to each individual in

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