Prime Minister's Office
BANGLADESH

A Smart Health Care System through A Smart Health Card

Problems:

The risk of different diseases increases with age including amnesia and different other complications. Thus they need proper treatment at this age but in maximum cases due to memory loss they can't provide the previous history of different diseases accurately. Moreover, absence of health card make doctors unable to identify the diseases correctly without disease investigation. Therefore, they prescribe different diagnostic tests which lead elder persons to spend a large amount of money, time and several time visiting. Thus, the total time, cost and visit for regular health checkup seemed to be a pressure to senior citizen who does not have that much physical and financial ability.

Solution:

At first, a database of senior citizen who aged over 60 years has been developed. In this database information such as their name, age, blood group, disease history, family history on different diseases, fingerprint, picture is kept. Then a senior person is provided a smart ID Card with respect of the ID of the database. To ensure their good health condition, a regular follow-up and checkup facilities have been provided through the smart ID card in every two months.In fact, in every two months doctors' next appointment and checkup time with a well-wishing message have been provided to the patients to remind and call them at the hospital in their cell phone. In addition, a database software has also been developed based on the information of that database.

To make this initiative sustainable, that database software has been attached in a server connected with different doctors of the Pourashava. A doctor has been able to know all previous disease histories of the patients by punching this ID card in a card reader machine which helps him to identify the disease correctly. As well as in this system a computerized prescription is given to the patients which is automatically saved on patients' ID with an aim to give guideline to any other doctor for future cases. Moreover, for the case of missing card or any problem in card, a doctor can also see all the information of the patients through their finger print.

Result:

For the first visit a person has to come physically, he has to spend almost 2000 taka including traveling cost, doctors' fee and diagnostic test fee. And for follow up, he has to spend 800 taka including doctor fee and traveling cost for every visit.

After completing the pilot project, now he has to spend 1 hour and 500 taka for medical examination, 25 taka as visit cost in total 525 taka for the first visit. For the second visit he has to spend only one hour (Particularly) and 25 taka as per doctor's visit.

So, the result shows a significant reduction in TCV by 95%, 75% and 55% respectively.

Besides, one of the greatest achievements of this particular project is able to ensure a good health service and the senior citizens of that area are no more deprived from their required health service.