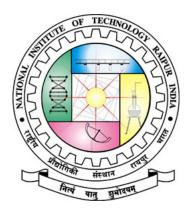
# **ASSIGNMENT**

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# On

# EVOLUTION OF MODERN HEALTHCARE

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#### 1 Introduction

Future of healthcare is mainly of digital healthcare. In upcoming generation healthcare become more advanced as compared to today. In future there is no need to go hospital for normal checkup like heartbeat, blood pressure, sugar level, etc. Future of healthcare is more portable and digital. In this section we study, what was the future of healthcare and which equipment play measure role in future to make healthcare easy, affordable, time saving, life saving and more than that. We also study about what types of problem was faced by people in healthcare in future.

# 2 Changes Seen In Last Ten Decade

Before ten decades we had to go to huge hospitals to access information and to measure parameter about our own health . We had to use big radiology devices instead of just small digital tattoos . We had blockbuster drugs manufacturing to millions of people instead of getting drug in specified dosage of my own molecular genetics background . There were waiting time for doctor and patient there were doctor shortage area where there is no doctor at all. There were clinicals trials that cost billion of dollars and it took atleast a decade to go through a trial so then drugs can be accepted instead of just doing virtual clinic trials like we do today. Infection in hospital were guide common epidemiology was absolutely slow not really using smart digital solutions there were clinical laboratories where yiu had to get your blood marker measure

of your blood taken instead of just blood measuring any kind of blood markers and parameter ,instead of just being a chronic disease or a bump in a life we had paper medical records back then,we had ambulance care not drones just like today that can deliver the right equipment to right people in seconds These was health insurance without measuring health parameter and data. It was really not sufficient and successful . Hospitals were run by manager not by supercomputer . Patients were ordered to take drug ,instead of dealing with them as equal partners in case care and the work of physician was really unqualifiable success rate were not available . And these are just a few example .

# 3 Equipments Make Healthcare Advanced In Future

#### 3.1 COGNITIVE COMPUTER

As now the amount of information is too huge it will be unable to collect and remember all records regarding the case but cognitive computer give all information and give medicals records which make easier for doctor and patients to focussed on case instead of collecting data regarding the case.

#### 3.1.1 Augmented And Virtual Reality

Virtual reality helps to distract the patient form real world which make them more relivable and sometimes it help in pain therapy.

#### 3.2 Scanner At Home

It scanning the patients which tells some basic diagnosis option. Some scanner scan the food which ensure us that what type of ingredients are food contain. How much vitamins, calories, protein in that food contain. By which we decide that food is good or not for our health.

#### 3.3 Wearable

Using wearable equipment we measure the vital sign such as heartbeat, fluctuation of pulses, diabetic level, etc. at home. We also have smart clothes which give all information in single clothes. We also have little device such as tattoos which collecting our activity which help the doctor or individual to detect which meals and n what amount taken by individual. Also it measure other activity like how much we walk, exercises, etc.

#### 3.4 Nanotechnology

Nanotechnology detect to delivered the drugs at actual place and what amount of chemotherapy is taken and how it is beneficial or not.y nanotechnology we detect early sign of disease which make we prevent them earlier before making it major issue.

#### 3.5 Telemedicine

Telemedicine helps when there is shortage of doctor at that place and people unable to travel a large distance. It helps those who facing problem on long distance travelling. It save most of time and money of both doctors and patients.

#### 3.6 Surgical Robots And Robotics

In future healthcare we see that the robots are wondering in hospitals. In surgeries robots also participate. The patient body touch by robots is feel by doctor that what issue are there. In major operations robots helps doctor as giving companion Some disease are spread rapidly on contact robot avoid such type of problem.

#### 3.7 Drone In Healthcare

As we see in accidental case people lost their life because they don't reach hospital at time because ambulance delay to reach the hospital at a time. In such type of circumstances drone play a major role. As the speed of drone is more than ambulance so it reach on a few moment at accidental case, and give a primary therapy. Drone in healthcare make it more advance and fast.

### 4 Problem Faced By People In Future

As we see the future of healthcare is more brighter, advanced, and digital. And as we know future of

healthcare has many advantage and problem regarding healthcare is solved in future but relating to this some problem are also therewhich is faced by people in future. Some of them are-

- 1. The healthcare in future is not affordable by all patients because it is mostly of digital equipments which automatically increased the healthcare cost.
- 2.As future of healthcare is mostly digital so it may cause cell death if we use it in more amount.
- 3.It provide online healthcare to patient sometime it may be cause serious problem if any record is missed.
- 4. This all equipment are new for doctors so they have to be fully trained.
- 5.It may be time consuming because of some network issue or any others problems.

#### 5 Conclusion

We need to be really brave now when imaging the future and have to work had to fulfill these goals. We need to make sure that the future of healthcare is based on human touch and on the partnership of the patients and their care givers and is based on technology that can be given us the absolute best success rate the best treatment and skills the best care when it comes to people.