SURGING TECHNOLOGICAL REFORMATIONS IN HEALTHCARE SECTOR

Preservation of the life force has always been one of the most obvious driving forces for all prominent innovations. We were designed as such, making every possible attempt to better our condition, doing everything within our capability to survive. The healthcare sector is synonymous with that attempt, to toil with mortality.

It's no news that the pandemic caused immeasurable loss of lives, a major setback for the organised healthcare system. While people were struggling to get the required medical assistance that increased ten folds due to the unforgiving COVID-19 pandemic, due to shortage of medical workforce, the use of technology in the healthcare sector became ever more important.

The healthcare technology market is expected to be $390.7 billion by 2024. Organisations that were not so keen on advancing their technological aid, are now focussing to update themselves and be prepared for whatever medical hazard comes next.

Here are a few technological reformations that the healthcare sector is going to bring:

1. MORE ORGANISED, BETTER CHANCE AT LIFE.
   With a fully viable integration of AI and Natural Language Processing, the healthcare industry is going to see change in the very structure of ailment-cure procedure. AI and NLP, has it all under control, from converting clinical data from machine-readable or different formats into natural language for database building and educational purposes. It's manually impossible to have a record of medical history of thousands of patients, AI makes it easier by analysing enormous amount of unstructured data.
   A 2018 study evaluated radiology reports for pulmonary embolism and postoperative venous thromboembolism and discovered that unorganised data analysis established 50% more cases than structured information alone.
   AI and NLP are going to prove as exceptional assets to increase the natality rate and better patient health results.

2. THE LETTER 'C' IN THE WORD 'CURE' WILL STAND FOR PATIENT CONVINIENCE:

AR AND VR:- GET TREATED. WHENEVER, WHEREVER.

Hospitals can often be overwhelming, inducing anxiety on top of the ailment one is already suffering through. Augmented and Virtual Reality gives the perfect alternative to reduce that extra suffering.

A 2016 report says: "Patients have benefitted from VR technology, which has shown to be effective in pain management. Women are being given virtual reality headsets to help them imagine calm places while childbirth". VR is enabling patients to get treated while staying in their own comfort zone, also giving an exciting experience while getting treated.

AccuVien, a real-world technique allowing clinicians to locate veins when administering injections by sensing the heat signature of blood flow and outlining it on the patient's arm.

Use of this technology has been found to improve the likelihood of first stick success by 3.5 times and decrease the need to call for assistance by 45%.

3. THE ERA OF AN EVER-PRESENT MEDICAL SUPPORT: IoMT

Internet of Medical things is paving way to a new age of the healthcare industry by revamping the interplay between people and devices in the delivery of healthcare solutions. Certain remote areas of US cannot afford to have full time medical support. IoMT assists in the solution by bringing regular consultations into people's homes, proving to be a boon for patients with limited mobility. IoMT is the moment, and the future will see it's wonders.

4) LITERALLY BRINGING EVERY MEDICAL SUPPORT TO "JUST A SCREEN TOUCH AWAY"

Almost everyone in today's world is more than accustomed to the seamless experience that mobile applications provide. From consulting with just the required medical practitioner to uploading the right medical history, to receiving crucial lab tests via apps, Health Organizations are all set to form a system that's best suitable for today's patients. A customised mobile app with integrated EHR/EMR systems could prove to be the most essential point of

interaction between doctors and patients. One such survey by the SharpQuest team gave conclusive positive results, yielding an average 4.9/5 patient rating with improved clinician satisfaction with easier workflow.

WE ARE MOVING TOWARDS A WORLD WHERE NO ONE WOULD DIE DUE TO THE LACK OF RIGHT RESOURCES AND THE ABILITY TO MAKE THOSE AVAILABLE AT THE TIME OF NEED.