Part 2 for GitHub

Quality and cost of care of Health Informatics in health setting

Transforming Healthcare Through Informatics: Better care & Lower costs

Introduction -In the modern world, health informatics is a hotspot area in medical sciences. The treatment criteria for several diseases are still subpar and challenging as well, full of complexity and very high cost, which is not affordable in many people in the world. Furthermore, traditional treatment criteria are time-consuming, and the success ratio is very low especially in lethal or advanced stages of diseases.

Significance- Health informatics is an emerging branch of medical science which may not only improve treatment efficiency but also quick, convenient and affordable. With the help of AI, ML and deep learning save billions of dollars every year in the world as well as interoperability system much easier to interpret, diagnosed and efficient for finding potential outcomes for diseases. Quality and care of cost management through informatics technology helps to reduce the expense of diseases, which become very low and stop malpractice in many clinical settings if complete adoption of E.H.R, E.M.R and interoperable systems.

Problems to be solved -With the help of health informatics technology, it not only reduced the cost in healthcare setting but also reduced the workload in hospital and waiting time. Many works have already been established like Remote patient monitoring, telemedicine, wearable devices etc. which can access and handle remotely. Resultantly, it is not only reducing the treatment cost but also reduces the workload as well provides quality and efficient treatment as compared to traditional treatment.

Specialization - I am a health informatics and medical professional with strong knowledge of E.H.R, E.M.R, python, MySQL, and Linux/Ubuntu with a background of pharmacology and ophthalmology. My clinical background along with molecular biology and animal studies make me a pioneer in the healthcare sector after gaining knowledge of health informatics. With the help of health informatics knowledge such AI, ML, and DL will not help to make me pioneer of medical fields but also beneficial for patients as well I can predict the progression of diseases and avert the diseases in very early stage.

Personal contribution – Being a clinicians (optometrist & pharmacologist), with the help of this health informatics technology , I can diagnose and treat the diseases in early stages as well able to avert the progression and understand the pattern of diseases.