

Powered by artificial intelligence

The healthcare industry is placing AI to undertake the task of diagnosing patients more quickly and efficiently

BY DR GSK VELU

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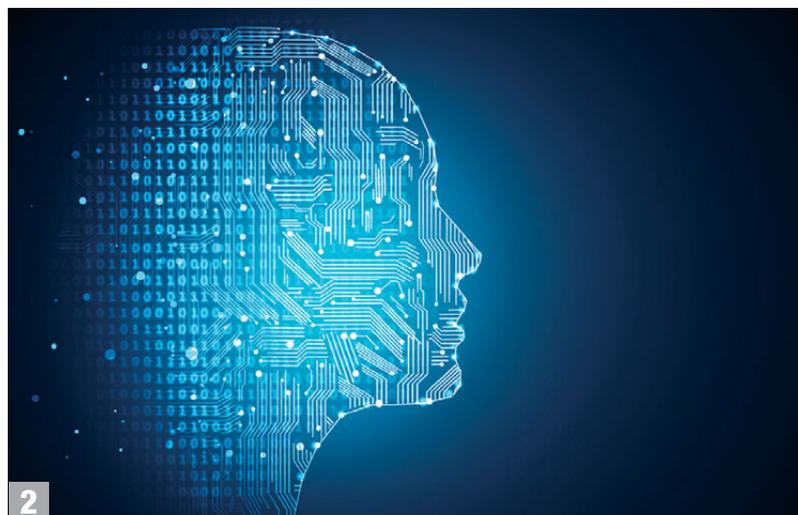
1. AI assists healthcare providers with precise treatment plans post analysis of data and monitors treatments thoroughly.

The 21st century has witnessed many disruptive medical marvels due to the influx of new technologies which has enabled the healthcare sector to emerge as the sunshine sector globally. Artificial Intelligence has played a significant role in the healthcare sector and contributed towards multiple medical practices. From utilising AI based systems for routine clinical situations to receiving intelligent decision support for interpreting diagnosis, Artificial Intelligence (AI) has evolved to provide real time medical solutions for health-related problems.

The increase in need to produce timely and accurate medical diagnosis demands a differential approach. The capacity of computer systems has addressed this need

to take up tasks for individuals and has improved efficiency by making every industry virtual, including manufacturing to transportation. Now, the healthcare industry is getting into the game, placing AI to undertake the task of diagnosing patients more quickly and efficiently in the emergency room and rationalise communication between doctors to reduce the risk of complications and provide accurate treatments.

AI has contributed extensively to advance the quality of healthcare treatments. It assists healthcare providers with precise treatment plans post analysis of data and monitors treatments thoroughly. AI has the ability to quickly and accurately identify signs of diseases in medical images such as MRI, CT scans, ultrasound, and X-ray. Hence,



it gives scope for faster diagnosis, reduces the chances of delays for patients and accelerates treatment options.

Now a days, patients demand faster and effective results. Addressing this need, AI helps both doctors and patients with clear insights in real time. Patients are now benefited with immediate answers to their queries, get more information and reminders about taking medications, provide medical reports to physicians with ease and gain stronger medical support using AI. Virtual assistance also helps the doctors with tracking prescriptions, monitoring their patients and ensuring the correct medication for patients.

While doctors have a clear advantage, AI and machine learning algorithms are

promptly becoming vital tools for radiologists as well. Not only can they systematise monotonous tasks, but they have the potential to magnify human intelligence by improving skills, undertaking the clinical role of a radiologist and advance the quality of patient care.

AI in healthcare has the potential to advance results by 30- 40% and reduce the cost of treatment massively by approximately 50%, as per a study by Frost and Sullivan. Enhancements in precision and efficiency mean fewer human errors, leading to a decrease in doctor visits. Doctors can gather information from the data base and anticipate risk of diseases to prevent hospital re-admissions.

AI has clearly enhanced the scope of providing quality solutions to the healthcare industry. Today, many technology vendors are significantly investing in AI, considering the solutions and services that can be provided with use this technology. AI, alongside proficient clinicians, is likely to continue to be the current course for many healthcare organisations across the globe.

There is a need to amplify the focus on AI and expand its contribution to the current healthcare industry in order to provide accurate diagnosis to patients and reap the multiple benefits it provides. **HR**



Dr GSK Velu is Chairman and Managing Director with Trivitron Healthcare.

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