

## **An Editorial**

### ***Data Driven Healthcare Systems for Next Generation Healthcare Solutions***

Today many countries are doing their efforts in advancing healthcare systems and medical mechanism and do for this several projects are going on. Among the information technology emerging areas cloud computing, big data analytics, internet of things, blockchain technologies, cyber security technologies, artificial intelligence, machine learning, and so on. Big Data is dedicated in managing large amount of data and managing complex, unstructured data using scientific principles, mechanism and modern tools. AI integrated technologies are required in enhancing Data Driven mechanism for sophisticated healthcare practices using predictive modeling for proper and effective decision-making.

Big data is dedicated in complex data management, as said tools are used in better research, innovation and for the practitioners of the healthcare and leads in offering flexibility, cost effectiveness for complete Healthcare Information Infrastructure development. Modeling systems are effective using big data analytical systems and here several emerging ICT domains such as Networking and Communication Technologies, Database Management and Systems, Multimedia Management and Systems, Web Development and allied Technologies, Software Management and Technologies, etc. are useful. The new age healthcare systems is dedicated in building of Smart City. Various sensors are useful in gathering various types of data such as managing asset, resources and services efficiently. Various e-devices basically installed in the healthcare setup and organizations leading to the modern healthcare systems for basic medical operations, service delivery, etc. Today many countries are moving towards cashless country and proper digitalization and here there are chances in improving Digital Healthcare services and systems. Digital literacy and skilling and in this context are important and valuable like other developing countries India is also playing a great role. Healthcare system is changing its shape using AI with public health infrastructure development. Traditional healthcare systems are improving its Digital resource Development in healthcare spectrum. In Data driven Healthcare systems some of the issues are include proper technological implementation, availability of land, managing adequate resources, proper medical practitioners availability, etc. and in all such cases Big Data is associated. Digital Healthcare Systems has issues in Health IT literacy, cyber systems and security, etc. ICT based healthcare needs healthy and impactful Big Data Systems to reach its perfect goal based mechanism with solutions in proper technology, funding, organizational development, human resource and skill development, etc. Digital Healthcare is improving smart and healthy smart city and thus it is the need of the hour on implementing an effective Big Data based systems Healthcare Systems.

**Dr. P.K. Paul**

Chief Editor, *IJISC*, New Delhi, India