

ASSIGNMENT

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On

Future of Healthcare

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1 introduction

Like many other sectors, healthcare is about to enter a period of rapid change. Longevity and the advance of new technologies and discoveries – as well as innovative combinations of existing ones – are among the many factors propelling patient empowerment, which is fundamentally changing how we prevent, diagnose and cure diseases.

To understand what we should expect in the years ahead, we empaneled experts in the field of healthcare to predict which technologies and innovations we will see in the near term (the next five years) and in the long term (twenty-five years and beyond). We then surveyed 400 global business leaders in and around the healthcare sector on whether they agree with the panel's views, and what they perceive as the biggest hurdle to these technologies coming to fruition.

2 Important Future Of Healthcare

In future we should focus on medical devices cheaper , good accuracy and available in every hospital with cheaper rate because if rate is cheaper everyone afford their basic checkup or medical solution.

And also focus to research on medical devices and invent new technology which is more accurate ,easily assessable ,resolve current diseases with better result.maybe in future many more devices coming with best specialisation for reducing dependency of medical sector on human , this future is very

important at that time when time is very less to perform a operation or finding important document for complex analysis.

technology in future

- 1.Nanotechnology
- 2.Biochip
- 3.Data Science and Digital Technology
- 4.Artificial organs
- 5.Blockchain to secure medical data
- 6.Implant
- 7.Artificial intelligence
- 8.portable MRI
- 9.Agumented reality
- 10.Digital Telescope
- 11.3 Dimentional Printing
- 12.Security alarm system
- 13.Needle free injection
- 14.Virtual reality
- 15.Digital monitoring

All above devices or technology booming future in the medical healthcare

let's introduce ,importances,working principle all above devices technology

Nanotechnology:-

Nanotechnology is the understanding and control of matter at the nanoscale, at dimensions between approximately 1 and 100 nanometers, where unique phenomena enable novel applications.

the science of the extremely small — holds enormous potential for healthcare, from delivering drugs more effectively, diagnosing diseases more rapidly and sensitively, and delivering vaccines via aerosols and patches. Nanotechnology is the science of materials at the molecular or subatomic level.

Biochip

biochips are engineered substrates ("miniaturized laboratories") that can host large numbers of simultaneous biochemical reactions. One of the goals of biochip technology is to efficiently screen large numbers of biological analytes, with potential applications ranging from disease diagnosis to detection of bioterrorism agents. For example, digital microfluidic A biochip is a collection of miniaturized test sites (microarrays) arranged on a solid substrate that permits many tests to be performed at the same time in order to achieve higher throughput and speed.



Figure 1: biochip

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