'Can machines think'

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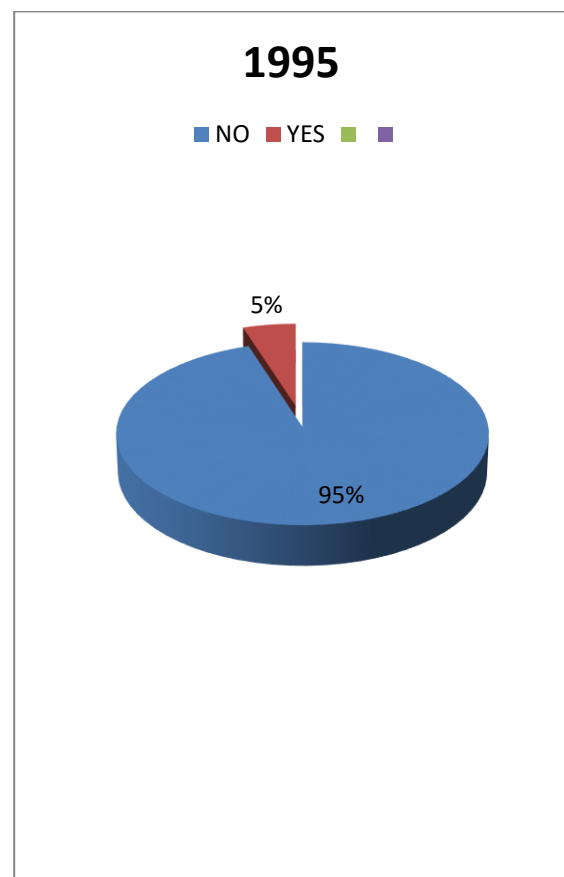**DPG Institute of Technology & Management, Sector -34, Gurugram– (Haryana 122004)**

Abstract : In this research paper we are going to tell the changes that has happened in the last 70 years, we will compare the different years data of people surveyed on the topic can machine think in different years and now what the people are thinking and doing with the machine. We will discuss various applications and will tell you what the improvements in the current machines are and how they are important in our life's.
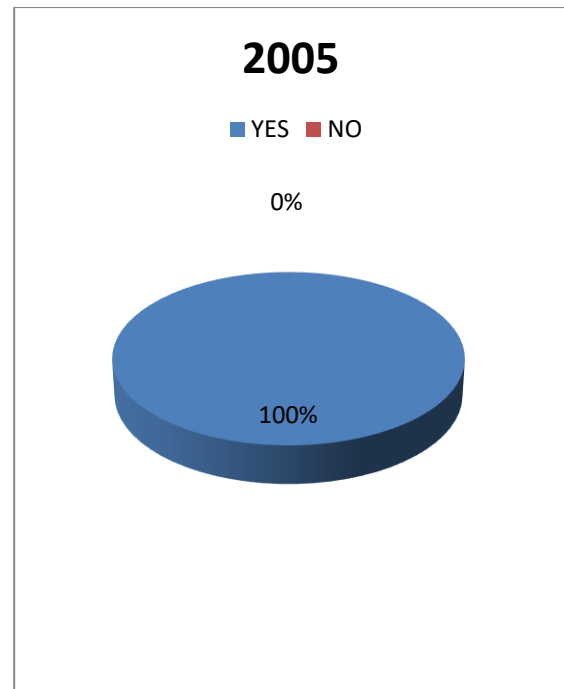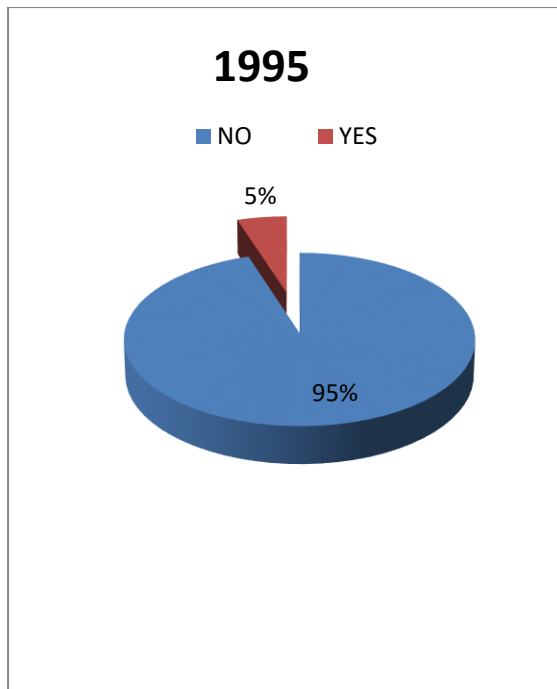
INTRODUCTION

We are going to discuss the topic "can machine think "now the question arises [1][1] if the machine can think then it is an artificial intelligence system what do you mean by artificial intelligence system artificial intelligence system means a system which can work like a human, think like a human and act like a human.

In this research paper I will tell you what artificial intelligence was in 1950 how it works back in 70 years and what is the future of this system. When we look at last 70 years, we noticed that there are so many improvements in artificial intelligence, and it is also observed that the thinking of people changed regarding artificial intelligence. A survey is done on this topic on 100 people and results are compared of different years., in 1985, that they could think that a machine could work by itself, then 98% people answered no that they could not think that a machine can work by itself. Similarly, we asked the people in 1990, can you think that the machine can work by itself, even then 95% people answered no, then also they could not think that the machine can work by itself, similarly we asked the people, in 2005, could you think that the machine can work by itself, and this time 100% people replied yes. ...that machine can work by itself, by this we came to know that in the last 70 years there has been a

big change in artificial intelligence and the thoughts of the people regarding the machine. More changes are yet to happen....

1995

NO ■ YES ■

5%

95%

2005

YES ■ NO ■

0%

100%

Let's see some examples that what has changed in the last 70 years in machine or artificial intelligence

1. Sophia[1][6] **:**

Information is gathered through the Sophia eyes to process the input from the camera [6]. The process it follows is recognize faces, sustain eye contact, and recognize about individuals. Natural language subsystem is used to process speech and have conversation. In January 2018, Sophia upgraded itself with functioning legs and the ability to walk. CNBC has commented on Sophia's "lifelike" skin and it can emulate more than 60 facial expressions.

Sophia is conceptually like the computer program ELIZA, which was the first attempts at simulating a human conversation. [7][6] Pre-written responses is programmed in the form of software to give to specific questions or phrases, like a chat box. Its responses are used to create the illusion that the robot is able to understand conversation, including stock answers to questions like "Is the door open or shut?"[8][6] In 2017 Hanson Robotics announced plans to open Sophia to a cloud environment using a decentralized blockchain marketplace.

David Hanson has declared that Sophia would be a good fit to serve in healthcare, customer service, therapy. In 2019, Sophia presented the ability to create drawings, including portraits.

Sophia's example is the best for can machine think because this robot itself answers the questions of the people and there is a lot of work that it can do.

2. Tesla[4][7] **:**

Autopilot

- Traffic Cruise Control
- self-Driving Capability
- Navigation Automatic System
- Auto Park
- Traffic Stop sign Control

3. Home :

In today's time, as everything is changing, people's living is also changing, now people have started moving towards smart home, people now have everything automatic in their house and in this also AI has made its own progress, with some examples. Then Alexa, OK Google

- **Alexa**

- **Ok Google**

1. Healthcare

In today's time, [6][4] people are paying the most attention to their health, due to this a lot of changes are coming in health care because even today there are some things that humans cannot do, due to this now machines or robots are also being used. With this we can actually keep our eye on our health, which we saw during the time of covid and now it is being seen everywhere, due to this we can say that Artificial Intelligence is now being used in healthcare too. Now such robots are being made which will stay with you for 24 hours and will keep blessings on you and will bring everything you need.
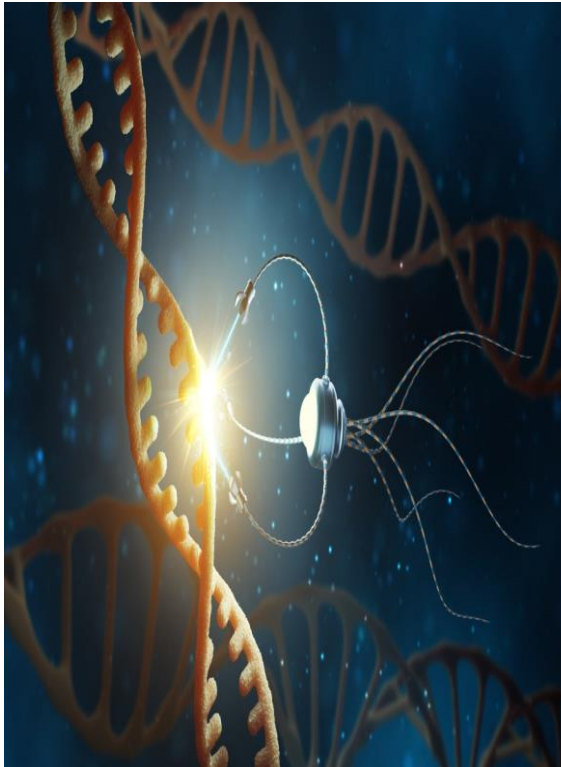
- **Maxi**

2. Nanorobotics [2][8]

Nanorobotics will make change a lot in the field of medical science to deliver drugs, operate internal injuries and combat cancer which was earlier not treated will also start now Nanorobotics has started but it will take more time to get in use .

➢ **China Unveils Walking Military Robot That Is Strong Enough To Carry 160 Kgs And Can Sprint At 10 Kph**

➢ **Some Treatments from Nanorobotics**

- Breaking up blood clots
- Fighting cancer
- Gout
- Breaking up kidney stones

3. Army robot :

Countries like China are now engaged in making robot army, which will fight by thinking on its own and can kill the enemy on its own and from all this we can clearly see how far artificial intelligence and machine learning have increased today.

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conclusion

Observing all the applications we the human concluded that now even machines can think like human and infect work like human. And if we compare the data with last 70 years, we can conclude that now the machines are more efficient as compared to those years.in which survey is performed. So, we got the answer to our question with which we have started that can machine think and answer is yes as we are using various applications in day-to-day life as discussed in this paper. Now the question also arises that in the coming years, Will the machines are considered more important than the human beings or not. Now only with the time we will get to know what will happen but more and more changed will be observed in artificial intelligence.

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