

## Review Paper on Artificial Intelligence and Some of its Applications

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### **Abstract**

*The purpose of this review paper is to gather information about Artificial Intelligence and its Applications, give my review about Artificial Intelligence also I have discussed about some of its various Applications such as Artificial intelligence retrieval system which is used to mimic the human information processing and thinking process which is then use to give the reaction as the human do. Further I have discussed about use of Artificial intelligence in making of games and that games are not always for the entertainment purpose but it can also enable us to increase our brain capability to solve problem easily and effectively. Then also discussed about Internet of things (IOT) which present innovation to send a gotten the sensor information by means of web systems. It is a similar like ordinary information correspondence aside from that in IOT, sensors and microcontrollers are generally utilized. The sending and getting of information don't depend on the PC however depends on the microcontroller and convenient specialized gadgets, With IOT, the vast majority of the sensors information can be straightforwardly directed into the server. This normally is done when the microcontroller is appended to WiFi and there is an association between microcontroller and WiFi. Then I have discussed about virtual reality which is an application of Artificial Intelligence in that we will know about how the virtual reality is used these days in different aspects of life.*

**Keyword:** - Artificial Intelligence (AI), Intelligent retrieval system, recreations (Game), Internet of things (IOT), Virtual Reality,

### **Introduction**

Artificial Intelligence (AI) is a very vast and interesting concept, it is also growing very fast these years. Where ever you see there is a lot of AI's from mobile to videogames or we can say in almost every home appliances. So basically what is Artificial Intelligence, AI is basically a smart system which mimic's human thinking and behaviour [1]. It tries to memorise the concept of intelligence and evolve into a new machine with higher intelligence factor which is as similar as human brain or we can say human intelligence. Artificial Intelligence comes under the branch of information technology or we can say computer science [2]. AI works on the concept of watch and learn for example we need our AI to recognize a cat, so what we need to do is that we need to make AI learn that what cat looks like so that it can fill up the variables of type of cat and after all that when the real test happens then the AI will look up to its variable and match it with the animal (object) in front of it and give the output. Now days AI has a lot of applications like Face Recognition and Detection, Image and Speech Processing, Automation, Solving Problems, Computer gaming and many more. There is also

a lot of possible improvement in this area for example the fully automated robot or the Ironman suit from movie Ironman or fully automated cities and all.

## Literature Survey

**L. Mei and F. Cheng (2010)** in their paper [2] they talked about Intelligent Information Retrieval System is an astute PC data recovery framework, which re-enacts the human reasoning procedure on data preparing and knowledge exercises, and accomplish data and learning stockpiling, recovery and thinking, and give clients with shrewd help. The great capacity to comprehend normal dialect, enables clients to express their data needs more precisely with characteristic dialect. Recreation master recovery strategy, move the assignment of managing the client's data needs, creating arrangement techniques and investigation of the result to Intelligent Information Retrieval System. The wise data recovery framework has a solid capacity to learn, can consequently obtain information, can specifically gain from the book, and can accomplish personal growth practically speaking.

**C. Xin (2009)** in his paper [3], there is a big role of Artificial Intelligence in enhancing the gaming experience. These days every game uses Artificial Intelligence to make games more realistic and think like humans, which is very entertaining and knowledgeable. Most of the people think about games as pure entertainment but the truth is that they are very useful for the growth of human brains mostly ever game is made to solve some problem. They tackle the social issue of excitement. To be specific, playing game is a problem-solving activity. In this same way, genuine recreations (Game) are answers for issues. They are recreations whose essential mission isn't excitement, or they can be stimulation recreations connected in an alternate way. The quantity of non-amusement recreations under advancement is quickly expanding. The gratefulness for the thoughts, abilities, advancements, and procedures utilized in business amusement recreations is at an unequalled high. Numerous business diversions are now being used for purposes other than amusement. Titles, for example, SimCity, Civilization, Hidden Plan, and others have been utilized as learning devices in schools and colleges over the globe.

**A. A. Osuwa, E. B. Ekhonoragbon and L. T. Fat (2017)** [4] the exploration of Artificial Intelligence connected to the Internet of Things (IOT) is no more novel. Previously, there were many proposed thoughts about Artificial Intelligence connected to the IOT. One of the thoughts proposed is making all gadgets convey to each other. This implies from the vehicle, a client can control home machines. From the advanced mobile phone, the client not just influencing a call yet additionally to can control the home apparatuses. The regularly utilized IOT is the home apparatuses control. As an android phone or I-phone with appropriate Apps is utilized to control the apparatuses ON and OFF through web association. Aside from that, a portion of the gadgets introduced with sensors. The sensors at that point read the signals from natures and convert the signs into electrical shifting voltages with the goal that the signs can be handled and send to the recipient (Android phone). The signs are at that point shown utilizing an Apps. The data for signs additionally can be seen from the web page.

**Liu Xian (2010)** [5] Virtual reality innovation is a PC re-enactment innovation empowering make and experience a virtual world, which consolidates PC designs, sight and sound, man-made brainpower, human-machine interface innovation, dynamic gadget systems, parallel handling innovation, and other most recent improvement aftereffects of data innovation branches, giving a solid help for we making and encountering the world. Virtual reality innovation isn't only a medium or a top of the line UI, with the assistance of the virtual

innovation, individuals may get passionate and reasonable mindfulness from the subjective and quantitative incorporated virtual condition, and in this way make a significant comprehension of the idea, create new thoughts, effectively look to get data and bring an incredible play of human creative energy. As of late, virtual reality innovation has been all the more broadly utilized in the military, instruction, outline, land, prehistoric studies, workmanship, amusement and numerous different fields. The use of Virtual Reality in Physical Education concentrated on: utilizing virtual reality innovation highlights to fabricate a reproduction of man-made reasoning "master" frameworks, for example, the sports-based master framework solution site set up by Shao Guihua and different specialists; utilizing the execution of capacity of three-dimensional space of virtual reality innovation to set up human movement show; virtual reality innovation cannot exclusively be utilized to re-enact this present reality, genuine recreation, yet additionally can be utilized to rise above this present reality, upgrade the feeling of reality members to enhance perceptually learning.

## Conclusion

As I have discussed above some of the Applications of Artificial Intelligent, with that I have seen that artificial intelligence is very vast topic and is very useful in many ways. We are using it in almost every devices, I found the concept of Virtual Realty very interesting topic as we can use this in various aspects of entertainment, and also we can use it in study purpose to make the education more interesting and fun to do. The concept of Internet of things is also very useful as we can use it to make our house fully automated and can be very useful for security purposes, also the Intelligent retrieval system is also very unique concept do to this we can use this system in many purposes as like in shopping malls as a managing system, we can also use them for blind people to look through their eyes (sensors). So at last I am going to conclude that Artificial intelligence is the this technology we need to grow better in our future

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