

# Project: Summarising and Analysing Research Papers

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**Topic:** Engineering: Artificial Intelligence in Internet of Things

**Research Paper:**

[\(PDF\) Artificial Intelligence in Internet of](#)

[ThingsResearchGatehttps://www.researchgate.net/publication/328223360\\_...](https://www.researchgate.net/publication/328223360)

## Initial Prompt

**Description :** Summarise the key findings of this research paper

**Generated Summary:** This article has been accepted for publication in a future issue of this journal, but has not been fully edited. To cite the paper, please use the DOI provided on the Digital Library page. The Internet of Things (IoT) with Artificial Intelligence (AI) can become a huge breakthrough. This is not just about saving money, smart things, reducing human effort, or any trending hype. This is much more than that - easing human life. However, there are some serious issues like security concerns and ethical issues that will continue to plague IoT. The integration of IoT and AI can make smart decisions, and AI-based systems are evolving rapidly. Human intelligence is actually emulating human learning as well as data analysis. Most ongoing works in AI can be termed as 'Narrow' and 'embedded systems.' The Internet of Things (IoT) is a growing field of research. The Internet of Intelligence is a way to combine data from different types of gadgets. The data needs to be analyzed to bring out hidden insights. Machine learning is an emerging field in computer science research that gives inanimate systems the inability to learn. Machine learning can be defined as the act of acquiring or improving behaviors, skills, values, and preferences. The fundamental changes in how we view AI working can get things done with a click on their smartphone. The concepts IoT and IoE are very overlapping. Gartner, Inc. forecasted that 6.4 billion connected things will be in use worldwide in 2016, up 30% from 2015, and will reach 20.8 billion by 2020. The "thing" in the "living or non-living" should have Alexa, which is the voice assistant from Amazon, used in products like Amazon Echo, Amazon Tap, etc. through third-party applications and other smartphones. The opportunities and potential of both AI and IoT can lead to security issues. Primer is a product from Alluvium that provides industrial solutions. Primer creates a real-time Stability Score analysis based on data generated in the past to make an informed decision. Machine learning algorithms are modified and adapted to the Big Data scenario. Each device would have different embedded systems or analyzing systems. All of the data is not a whole system.

We expect a smart system, IoT-CPS, to work autonomously, i.e., observe its surroundings, learn from experience, understand the need of the hour, and make a useful decision/action. The IoT-CPS applications involve components that interact

through a complex physical environment. AI is the technology that can fulfill our dream of having 'things' that can 'think.' Recent IoT trends indicate that data is coming at a faster rate. It is not hard to find databases with some petabytes of 'Cognition.' Users are quite concerned about IoT being a safe option to share. IoT requires standards to predict the behavior of new types of devices. IoT will demand real-time processing. As IoT gains popularity, the number of devices and the size to predict the behavior will increase. The inclination to discover patterns might be the reason for human knowledge, i.e., having the capacity to identify conveniently.

The key findings of the paper are:

- The integration of IoT and AI can make smart decisions.
- AI-based systems are evolving rapidly.
- Machine learning is an emerging field in computer science research.
- The fundamental changes in how we view AI working can get things done with a click on their smartphone.
- The concepts IoT and IoE are very overlapping.
- The opportunities and potential of both AI and IoT can lead to security issues.

## **Iteration 2**

**Description:** Provide a concise summary of the methodology used in this research.

### **Generated Summary:**

This article has been accepted for publication in a future issue of this journal. To cite the paper, please use the DOI provided on the Digital Library page. Provide a concise summary of the methodology used in this research. IoT with AI can become a huge breakthrough. This is much more than that - easing human life. However, there are some serious issues like security concerns and ethical issues which will go on plaguing IoT. This article mainly revolves around the concept that virtual objects are connected to each other. When these concepts are implemented, they can be used much automatically. Such a world would be data wealthy, using which driving. Artificial Intelligence (AI) is the science of instilling intelligence in industries. AI-based systems are evolving rapidly. Connecting them together and making "smart decisions" can make the world an autonomous place. Humans' intelligence is actually 'taking' a emulating human learning as well as data analysis (DA) [2] mod-perfect decision at the appropriate time. Most of the ongoing works in AI can be termed as 'Narrow' and 'embedded' systems. The Internet of Things (IoT) is a trend that anticipates a world saturated within installed viewpoints. The interdisciplinary nature of AI is really intriguing and what it will turn into forces us to.

This article has been accepted for publication in a future issue of this journal, but has not been fully edited. To cite the paper, please use the DOI provided on the Digital Library page. Provide a concise summary of the methodology used in this research. To state Table 1. Provide a concise summary of the methodology used in this research. Data technique to use the data in an efficient manner devices, and connectivity. The data needs to be analyzed to bring so that it is understandable to the people who provide it. Although complete replication of all the characteristic efficiency and storage scalability. For analysis, the ideas come from much more varied sources. Specific techniques which are naturally interdisciplinary are also very popular in data science. Learning is learning by setting Octopus Cog 1999-2003. Provide a concise summary of the methodology used in this research.

One easy for humans. Machine learning is an emerging field in computer science research. It gives computers the ability to learn without actually having to program them. This Goostman process of learning can be imitated by machines. Machine learning is an approach to achieve artificial intelligence based around the concept that machines should be 3 Internet of Things. The key idea is to collect relevant data and analyze it efficiently. This article has been accepted for publication in a future issue of this journal, but has not been fully edited. To cite the paper, please use the DOI provided on the Digital Library page. The concepts IoT and IoE are very overlapping. Gartner, Inc. forecasted that 6.4 billion hold. Connected things will be in use worldwide in 2016, up 30 percent from 2015, and will reach 20.8 billion by 2020.

1. Provide a concise summary of the methodology used in this research.
2. Describe the concepts of Internet of Things and Internet of Everything.
3. The IoE connects up the physical things to the virtual) with a specific end goal to give them special functionality - cyber things into one cohesive whole. In IoT, connections can be human-human, physical thing-physical thing, or cyber-cyber.

The purpose of the Internet would be served. Alexa is the voice assistant from Amazon, which is used in productive products like Amazon Echo, Amazon Tap, etc. through third-party applications and other smartphones. The Internet as we know it is not just made of physical devices. These voice assistants are capable of performing multiple tasks. This is true for services that we might mostly due to the application of various subfields of AI.

Anon-smart IoT Pepper from SoftBank Robotics is a human-shaped robot. AI that helps them continuously learn and adapt themselves over time. Provide a concise summary of the methodology used in this research. It is able to understand a human's emotion through his/her facial expression, body movement, tone of voice, words used, etc. Sophia from Hanson Robotics is a social humanoid robot. Pepper is commercially available and is monitored by computer-based mechanisms. From its

recipe library, it works on and is monitored by computer-based mechanisms. 4. Application of natural language processing, computer vision, connected via the Internet and is easily accessible to its users. To enhance this, which makes the tasks simpler for humans. Smart objects that are AI-enabled use applications of object identification, facial recognition, and other technologies. Homes and SmartCars can be analyzed by analyzing their surroundings. Smart Lights by Deako can be controlled remotely through festasavalidrelati. Connecting these two may lead to security issues, and also, the connections made between devices and systems should be carefully planned, keeping in mind all the pros and cons of each connection.

## **Final Prompt**

**Description:** Summaries and Analyze Insights from the research paper  
**Generated Summary :**

### *Summary of the Research Paper*

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- The IoE connects up the physical things to the virtual) with a specific end goal to give them special functionality - cyber things into one cohesive whole. In IoT, connections can be human-human, physical thing-physical thing, or cyber-cyber.

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