Artificial Intelligence

What potential benefits and challenges that can arise from the inclusion of **Smart home security** into a system?



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# INTRODUCTION

The purpose of this report is it to examine the multi dimensions and applications of AI within computing systems based on the perspective of a computing professional . This provides an opportunity to investigate the uses and potential innovations within computing systems and explore the solutions to the problems presented.

# Objectives -

* Benefits of smart home security and how they help us during extreme situations as well help protect homes.
* Challenges that impact smart home security when an intruder is in your garden.
* Automatically adjust lighting, turning off all the lights during the day and on during the night.
* CCTV system recording 24 hours and can be viewed through you mobile phone at any time.
* Actions to take while an intruder is detected by a CCTV feed and to move to a safe room in the house and alert the police.

# What is AI -

AI also known as artificial intelligence covers computer systems that are able to perform tasks normally requiring human intelligence. These tasks might include perception, speech recognition, decision-making, and translation between languages and many more.

# Features of having a Smart Home Security

Smart home Security uses a very effective internet connection technology which come together with technologies to make your home a better place to live in. It also looks after the home using CCTV’s and report anything suspicious in your area.

# Benefits of Smart Home Security

A smart home security offers a lot more by turning lights off, if no-one is at home and turning on, if there is someone at home this can be efficient and also save electricity. If there is any emergency then there are fire detectors and heating pipes which are are all connected to the smart home security, this will also notify you on your email as well as send you a text on your phone. It also lights up a way for you to walk safely to the exit with getting into any trouble.

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# Challenges of Smart Home Security

The challenges faced when a burglar breaks into your home the smart home security will make sure it looks like someone is at home so that the burglar has no choice but to retreat. Not only that by there are also CCTVs looking out around the house to make sure that it is perfectly safe and secure. And if someone breaks in the smart home security reveals the burglar’s position through a CCTV camera and can be taken down by calling for help.

# CONCLUSION

Smart home security is essential for the protection from intruders and other disasters. With AI in control the really makes for a strong and reliable service which not only helps to protect homes but also providing additional features to keep it secure and protected.

# REFERENCES

Finite Solutions. (2018). *Advantages of Smart Home Security – Finite Solutions*. [online] Available at: http://www.finitesolutions.co.uk/blog/advantages-smart-home-security/ [Accessed 21 Nov. 2018].