



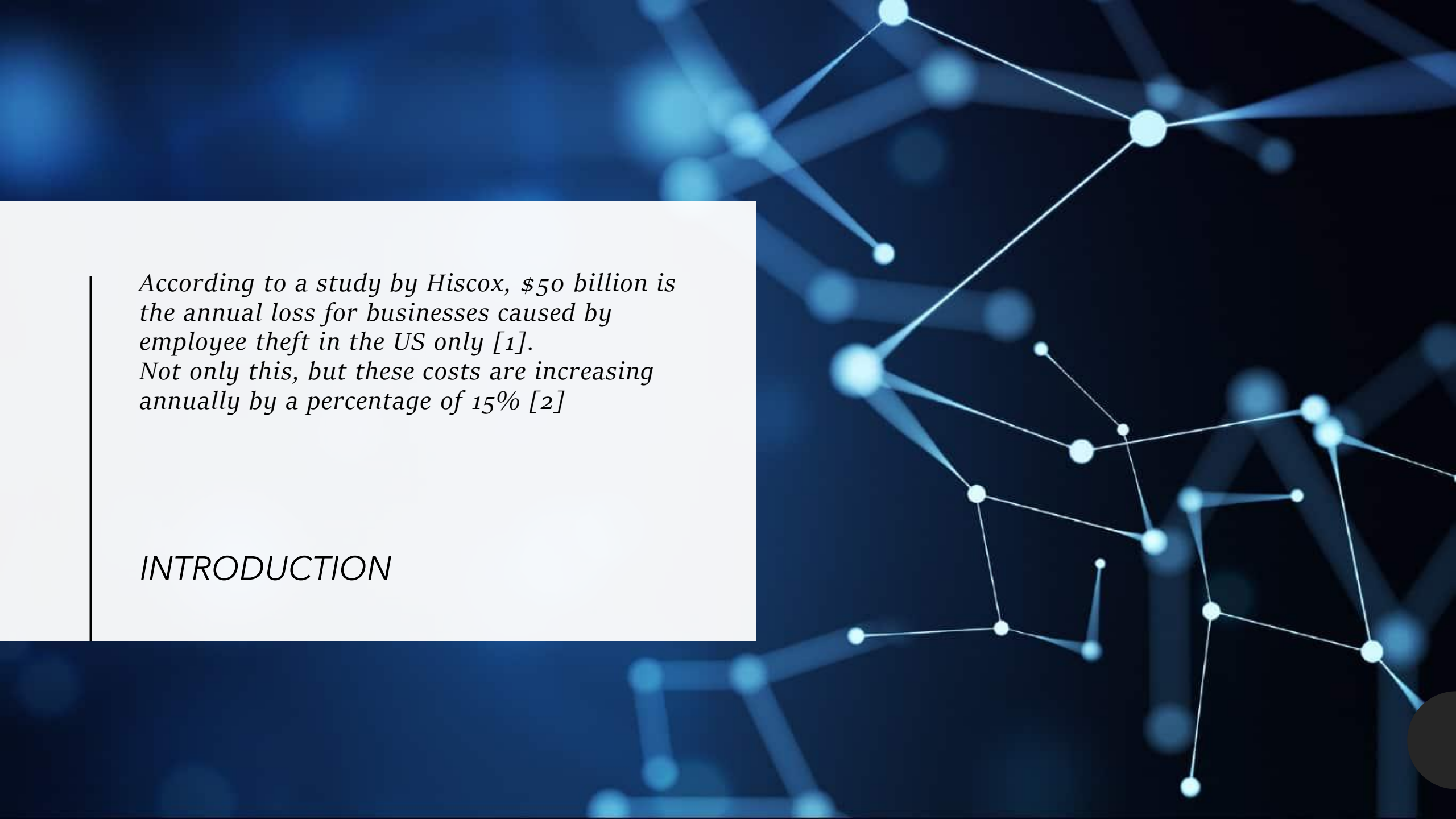
# *COE 485*

## *An Industrial Assets Tracking and Management System*

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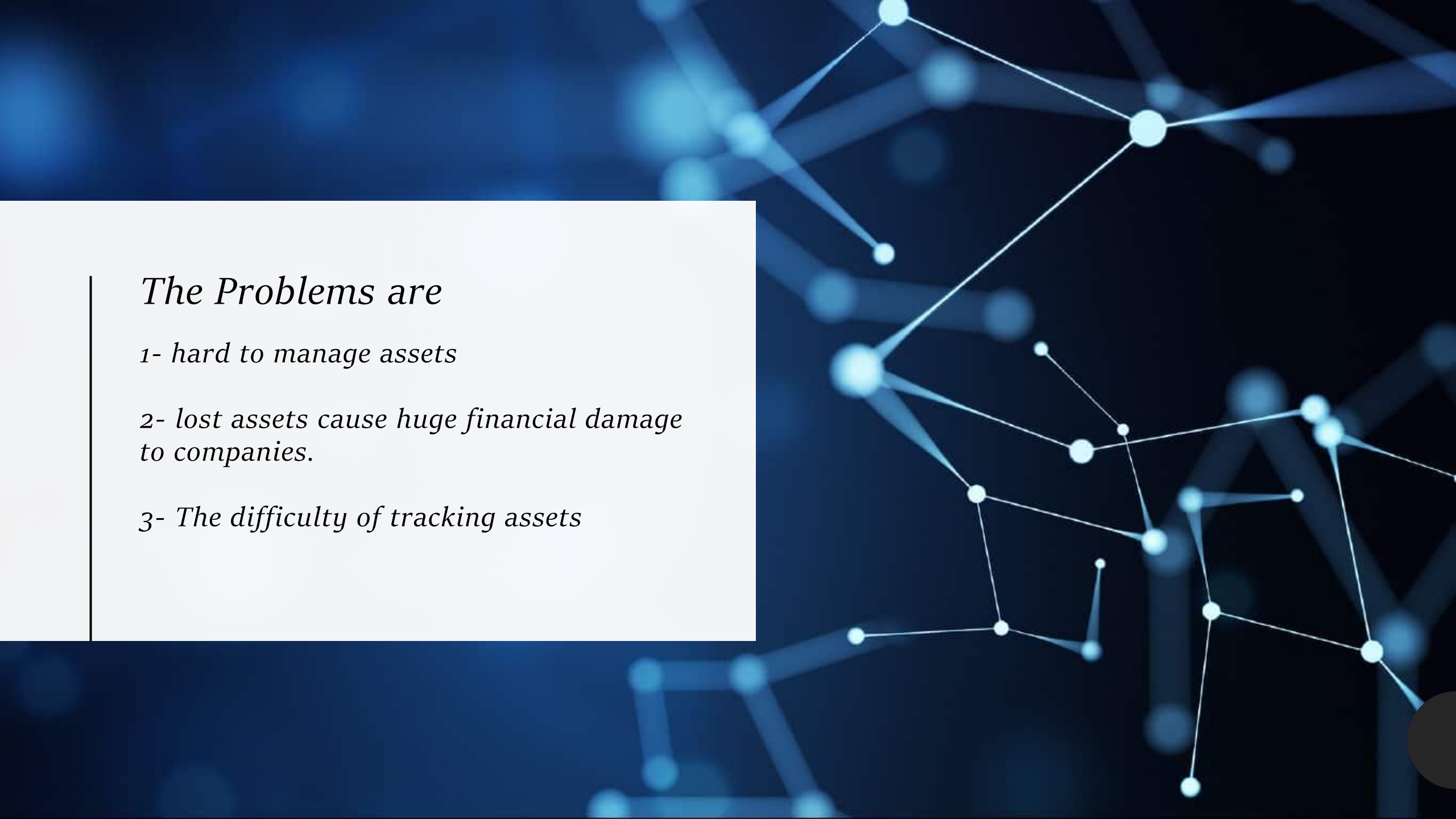
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*According to a study by Hiscox, \$50 billion is the annual loss for businesses caused by employee theft in the US only [1].  
Not only this, but these costs are increasing annually by a percentage of 15% [2]*

## *INTRODUCTION*



## *The Problems are*

*1- hard to manage assets*

*2- lost assets cause huge financial damage to companies.*

*3- The difficulty of tracking assets*



# Possible Approaches

- \* **Manual approach**
- \* **Machine vision**
- \* **Identification technology**



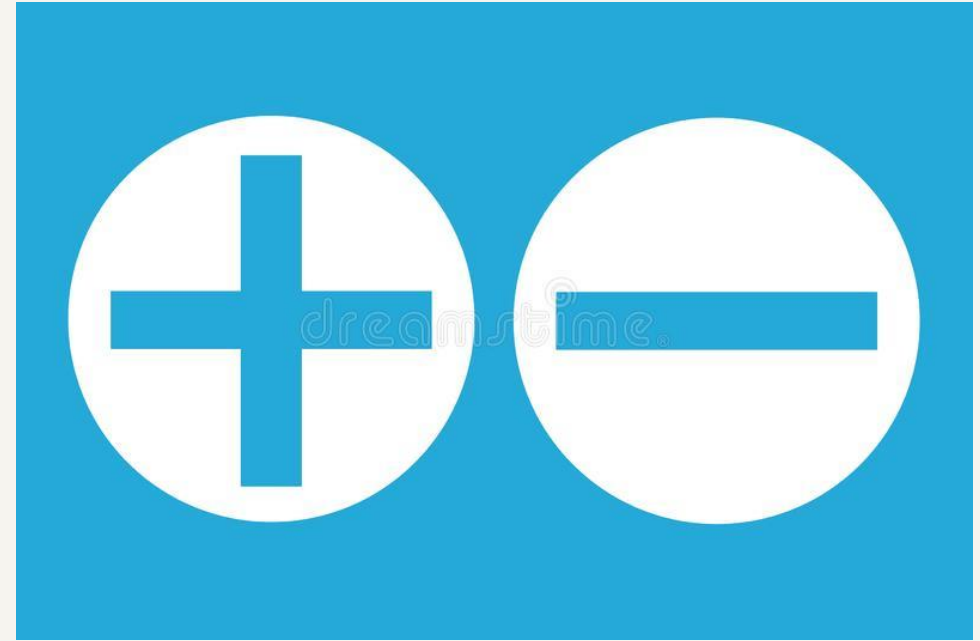
# Potential Impacts

## \* Potential Benefits:

- Accuracy.
- Profits.
- Faster and cheaper movement of assets.
- Assets sharing.

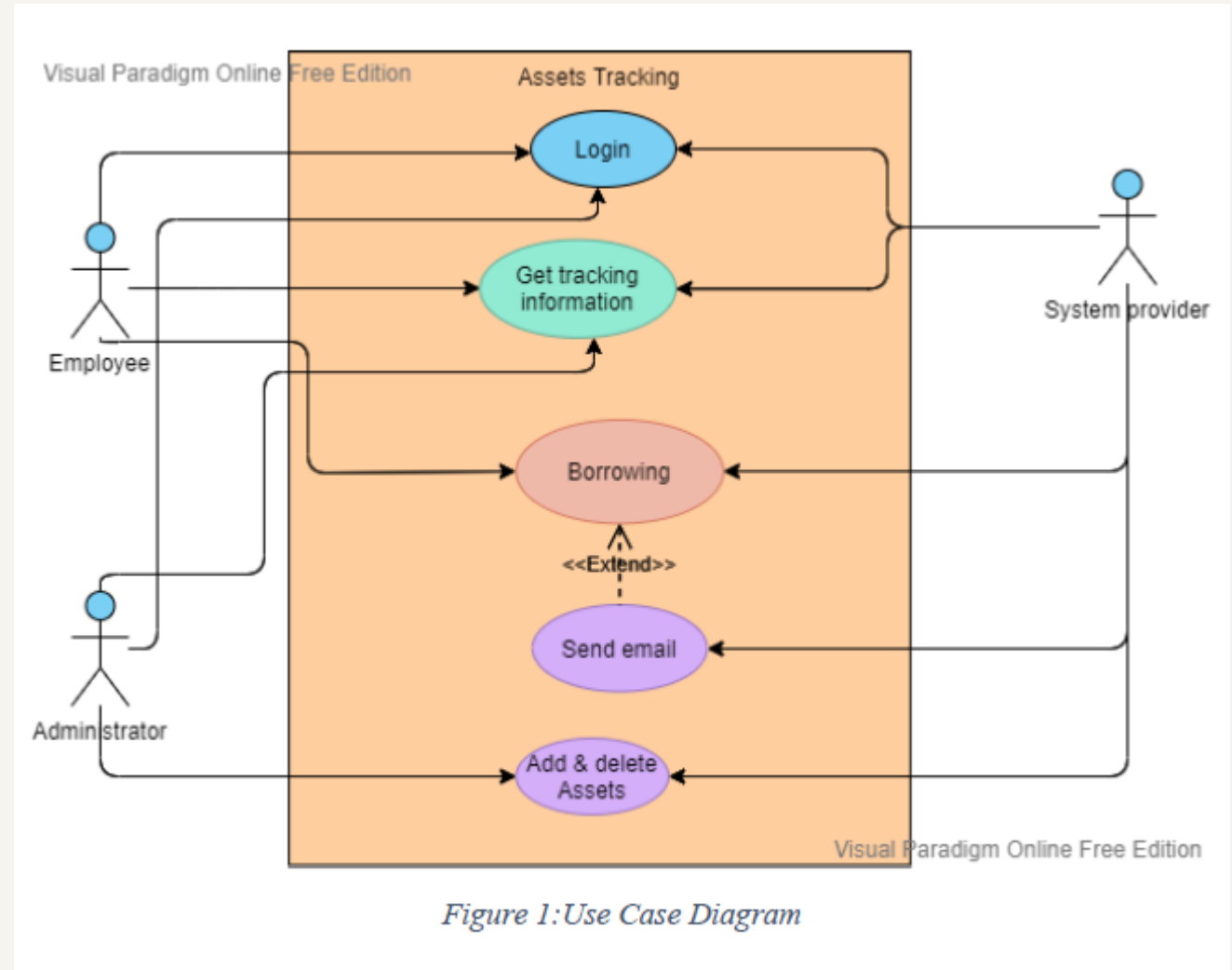
## \* Potential Pitfalls:

- More electricity consumption.
- Increase magnetic field radiation.
- Affect environment.
- Affect human health.



# Use cases diagram

- \* Login
- \* Get tracking information
- \* Borrowing
- \* Send email
- \* Add & delete assets



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## References