



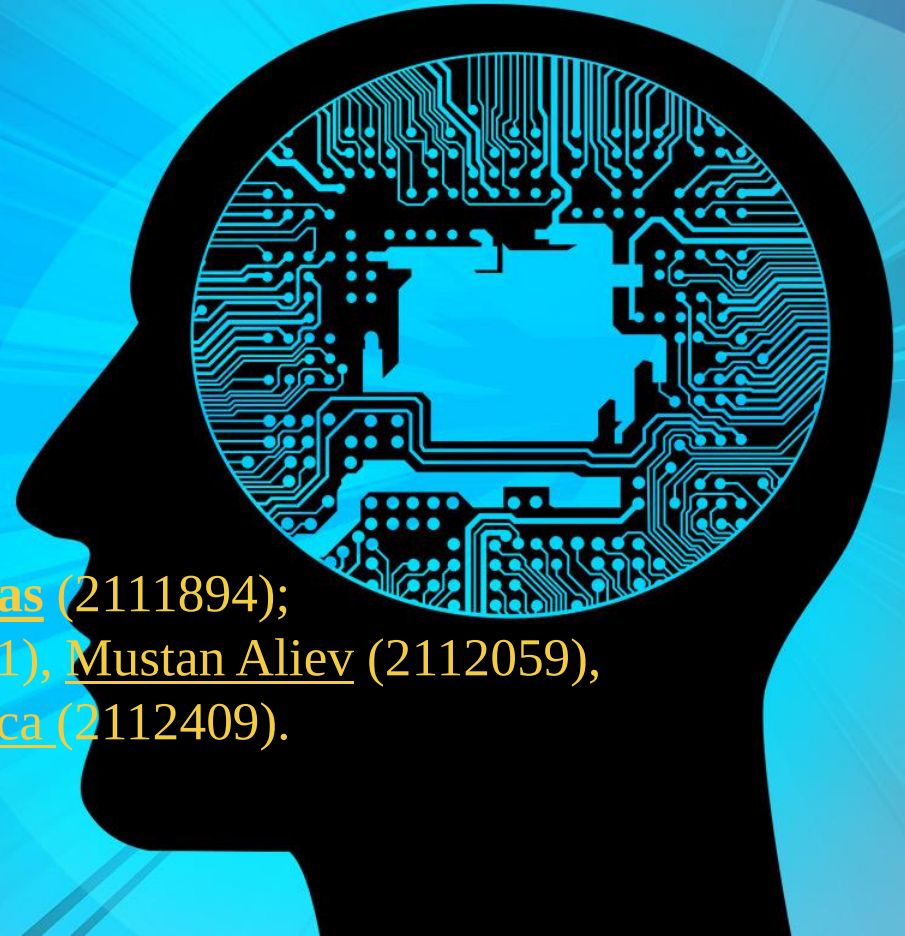
# Group Presentation

BMSW4003\_LOn: DIGITAL SKILLS AND  
RESEARCH METHODS.

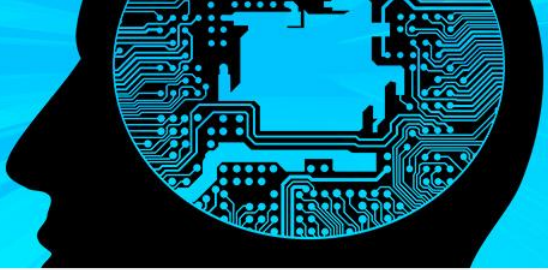
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Lecturer: **Asim Satti**.

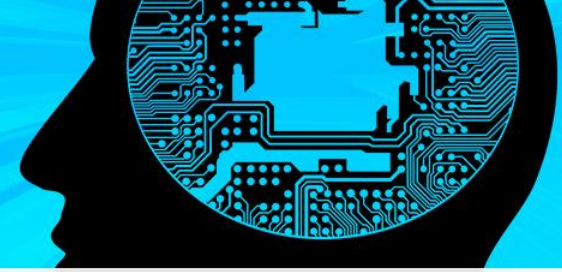


# Contents

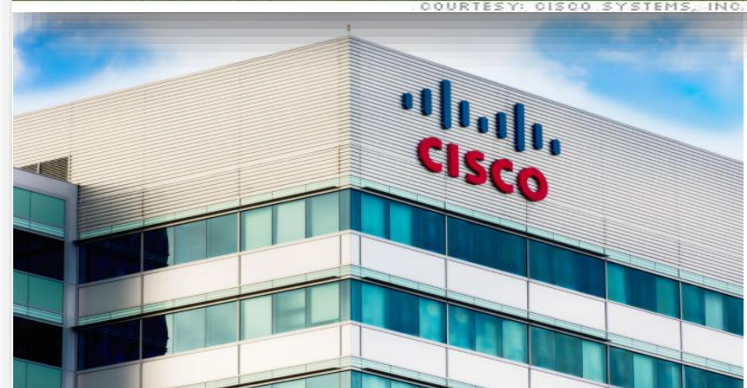


- What is Cisco Systems;
- Background of Cisco Systems;
- The challenges before implementing Cisco Systems technology;
- Insights to the Cisco System(Internet of Things, IoT);
- The impact of Cisco Systems technologies;
- Lesson learned from the case study;
- Conclusion;
- Reference List.

# Cisco Systems



- Cisco Systems, American, worldwide company, is the best, known for its computer networking products.
- They have 2 under activation domains:
  - ✓ Cisco Networking Academy;
  - ✓ Cisco Systems;

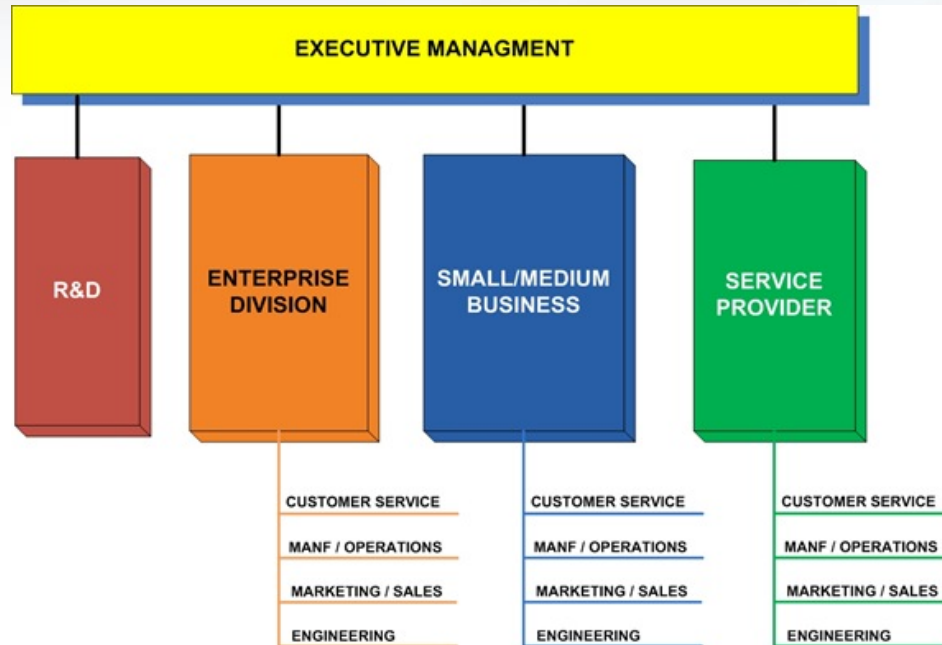


# Background of the Cisco Systems



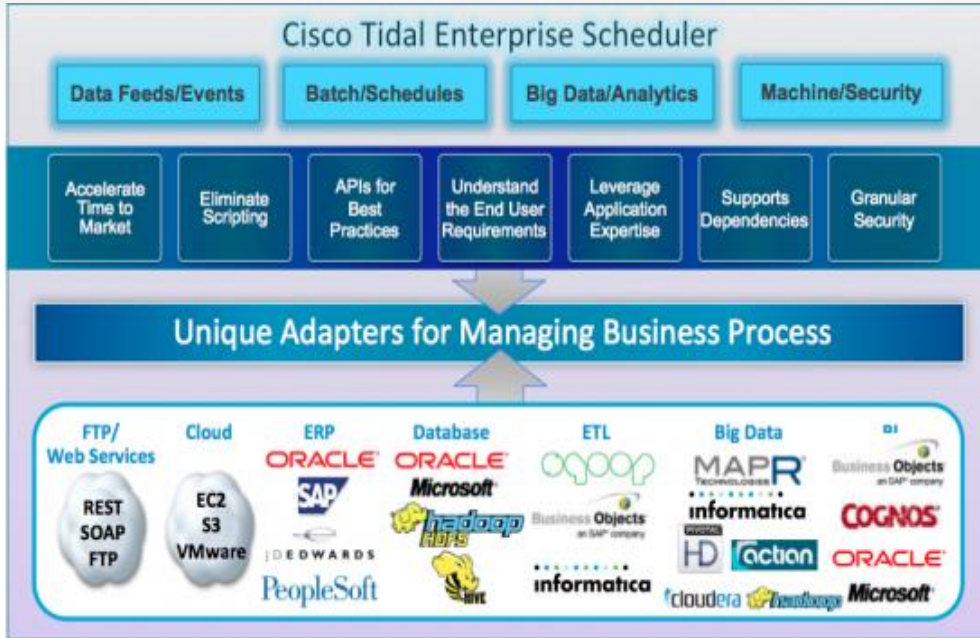
- Cisco was founded in 1984 with two computer scientists.
- In 1986, they started shipping products and now it is a multinational corporation.
- The organization Operates in more than 115 countries with 35,000 employees (Cisco, 2021).

# CONTD...



- The organization allows customers to access their information system free of cost (Cisco, 2021).
- By accessing the computer system, the organization has developed their networking solution with various perspectives.

# CONTD...



- The lay claim about the company in the young age of global networking is controlled by Cisco.
- The organization provides more than 85% of the internet traffic in order to deliver internet usages over the online business (Cisco, 2021).



# CONTD...



- It explores the business organizational possibilities as per the business starting with the internet (Cisco, 2021).
- The company takes the advantages as per the experience-based knowledge system with the working scenario of internetworking efficiency of business context.



# The challenges before implementing Cisco Systems technology

CIOs turn to IT service vendors

74%

"Using IT services is essential to our business's success"



54%

"We plan to increase our use of IT services"

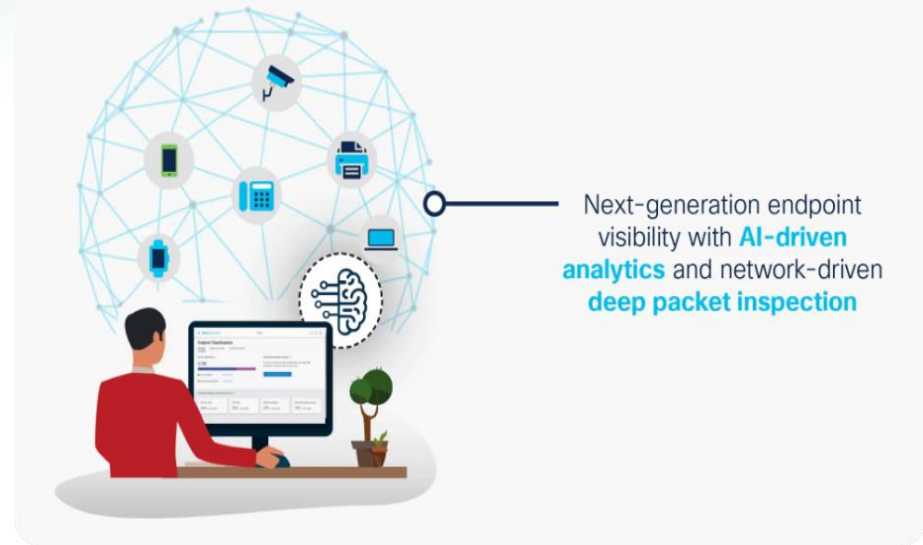


- Operation and processes optimization issues are one of the major issues faced by Cisco.
- With these IT optimization issues, the organization is lacking their revenue that is the major reason to execute ***“Artificial Intelligence” (AI).***



# CONTD...

- The company is facing some organizational disadvantages along with the recent year sales percentage.
- Gaining business advantages from the competitive edge is one of Cisco' business motives to earn more in the US market.



# CONTD...

## 3 Key Technology Statistics You Should Know

FinancesOnline  
REVIEWS FOR BUSINESS

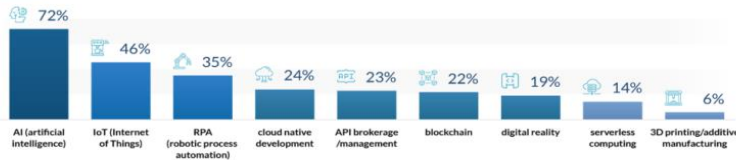
### 1 Why do businesses invest in new technologies

Source: Spiceworks



### 2 Which technologies are on top of CIOs' wish list?

Source: Medium



### 3 The future is SaaS-powered

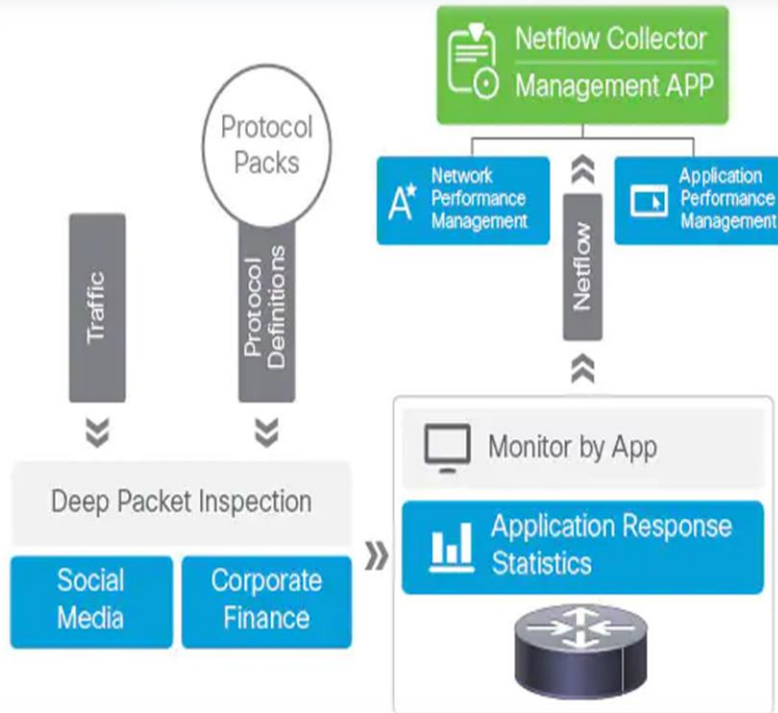
Source: BSCG, Better Cloud, IDG



- Decrement of top-line growth has affected the business participant of Cisco in order to implement measurement of gross rate of sales.
- The organization can not intercity with customers to know about their system related issues with organizational factors.

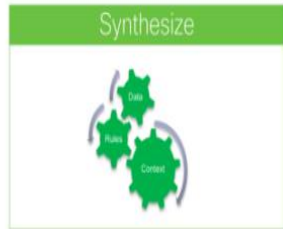


# CONTD...



- Lack of deployment with high-quality maintenance with products and codes.
- Need continuous deployment about new technology to connect with customers.
- Manual processes have errors that are more human.
- Their computer application is quite complex.

# Insights to the Cisco System(Internet of Things, IoT)



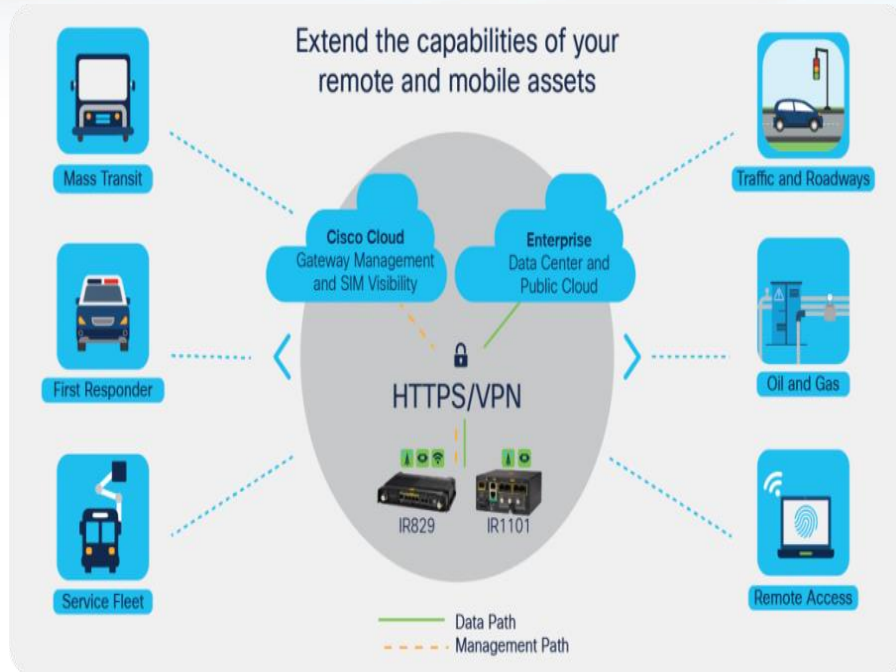
- Implementation of the "**Internet of Things**" (IoT), reduces operational cost and downstream management
- The firm grows the simple growth of the business scale (Cisco, 2021).
- Reduce onsite staff for the management of the entire process

# CONTD...



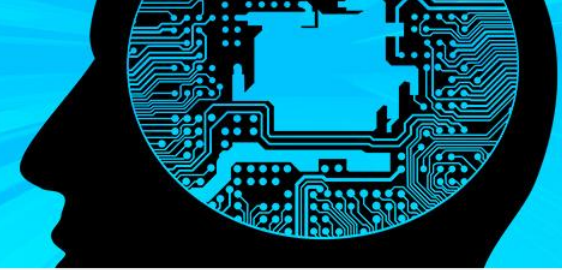
- Traits detection and OT visibility can be achieved with the proper execution of this system in the workplace.
- Industrial network segmentation can be gathered as per the security of this system (Cisco, 2021).

# CONTD...



- Simplification of task management.
- Implementing IoT in the workplace, Cisco has improved visibility as per the industry requirements (Cisco, 2021).
- The scalability of the organization is seamless.

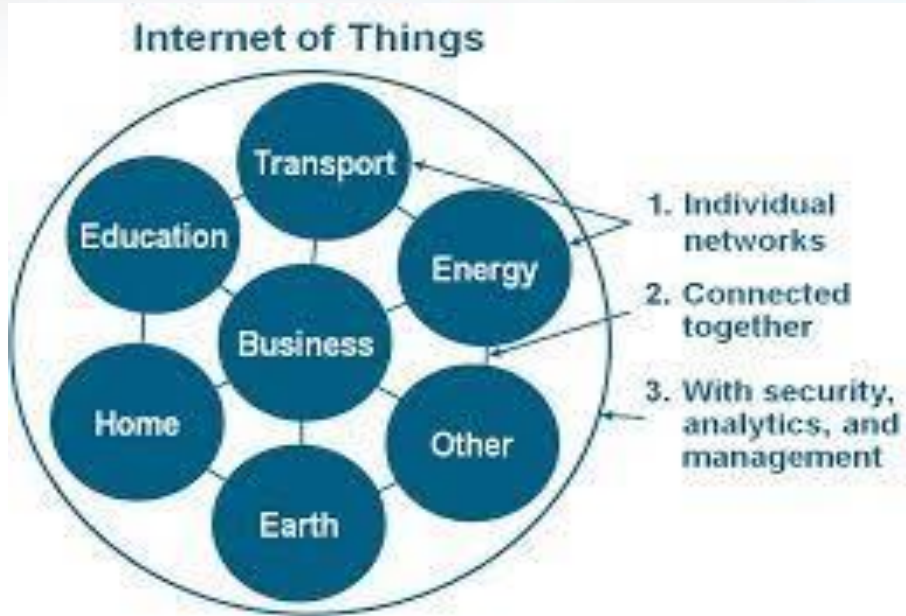
# CONTD...



- Connection in between IT and business operation for Cisco
- Protects procurement as per the industrial benefits in the organizational advantages
- Decision-making tables help to sort out the issues regarding the proper understanding for practical significance (Cisco, 2021).

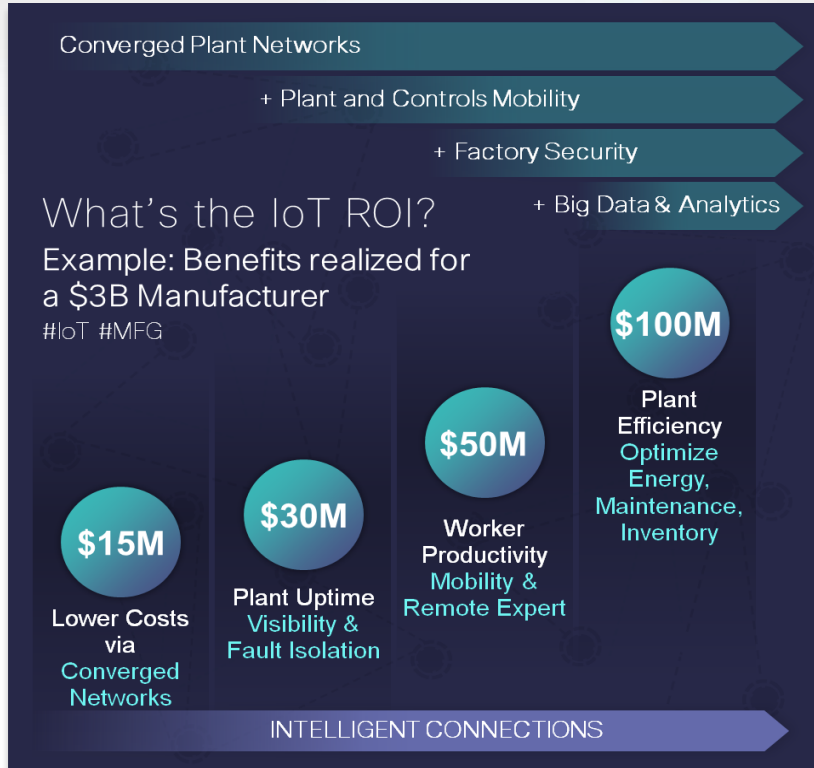


# The impact of Cisco Systems technologies



- IoT provides accuracy in terms of connectivity and security concerns in different industries (Cisco, 2021).
- Mitigating risk factors with an integrated security system contains threat detection and simplification of compliance.

# CONTD...



- Offers more new technological applications to the customers that have been controlled by IoT (Cisco, 2021).
- The organization is promoted with national-level technology integration to support technical aspects.

# CONTD...

## Cisco SP Network Automation Integrated Solution

Cisco Crosswork  
Network Automation

The first closed-loop, mass scale automation solution  
that embraces multi-vendor networks



Change Automation



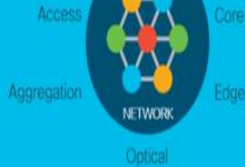
Network Insights



Data Platform



Health Insights



Cisco NSO

Cisco WAE



Situation Manager

- IoT of Cisco helps other companies in logistics management and manufacturing process (Cisco, 2021).
- Railways driverless communication is one of the critical control of IoT.
- Automation and IoT (Cisco, 2021) can provide mining solutions.



# CONTD...



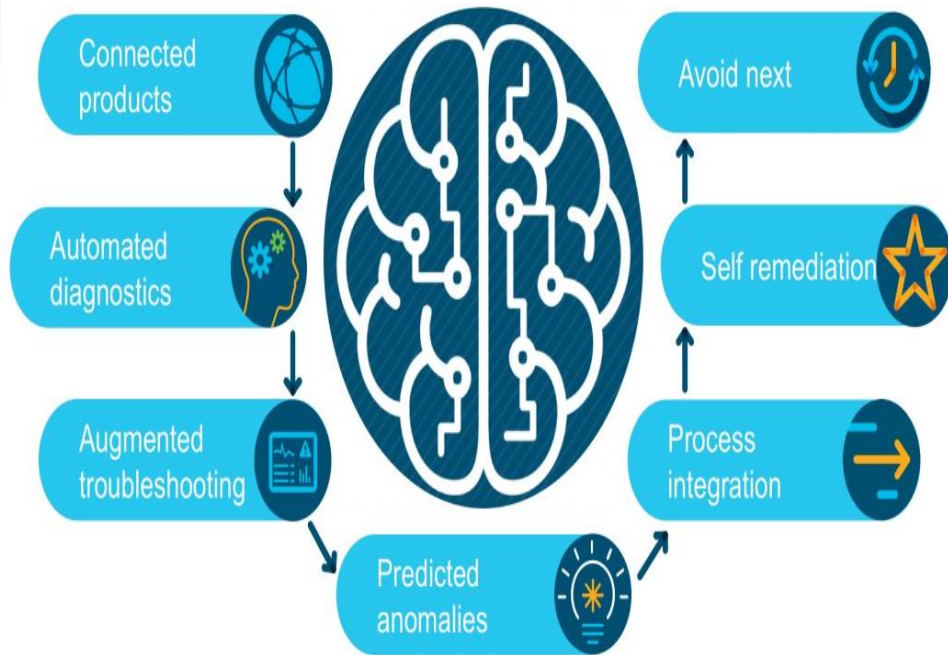
- Cisco provides 829 integrated industrial service router security and reliability with connection (Cisco, 2021).
- The organization provides Dual LTE connection with 5G modular connectivity (Cisco, 2021).

# Lesson learned from the case study



- Organizational detail with descriptive details for Cisco
- Internal connection of new technologies are streamlined with the systematic approach with their issues related to the customer requirement.

# CONTD...



- Data and networking issues;
- Organizational challenges have been found with businesses lacking;
- Challenges faced by the organization before implementing any new technology.

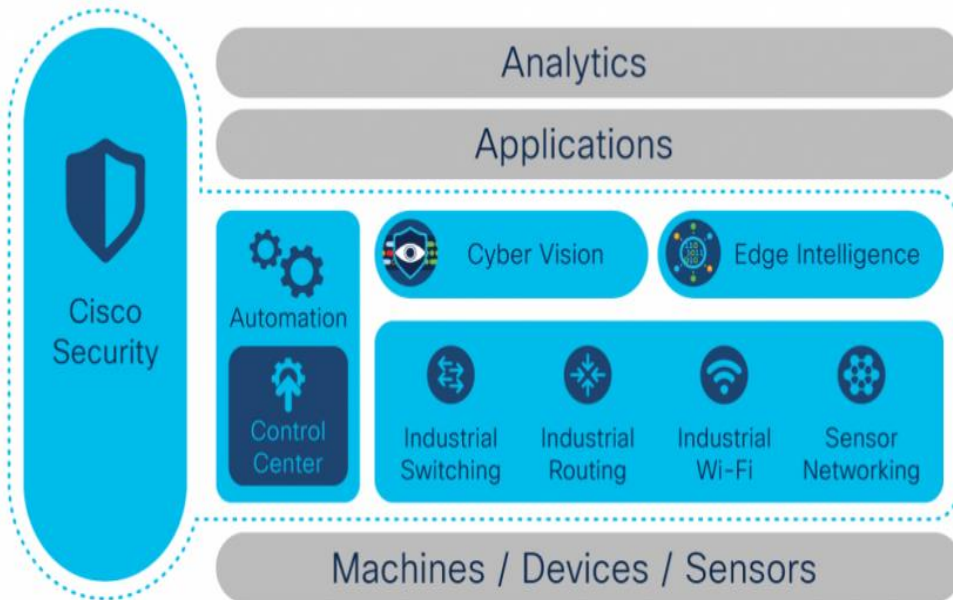
# CONTD...



- Insights of IoT have been revealed in this section.
- The benefits of using IoT and business automation in the context of Cisco.
- The specification of a systematic approach for modern technological approach for Cisco.

# CONTD...

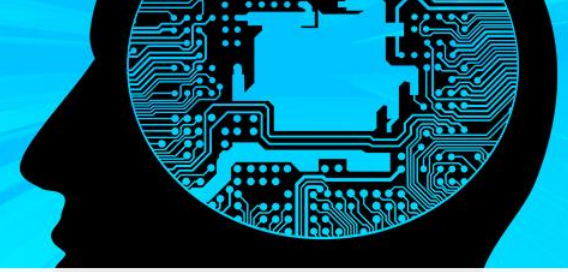
## Cisco's industry-leading IoT portfolio



- The impact of using IoT in the workplace.
- Business insights and Cisco's organizational advantages.
- The Cisco network benchmarking.

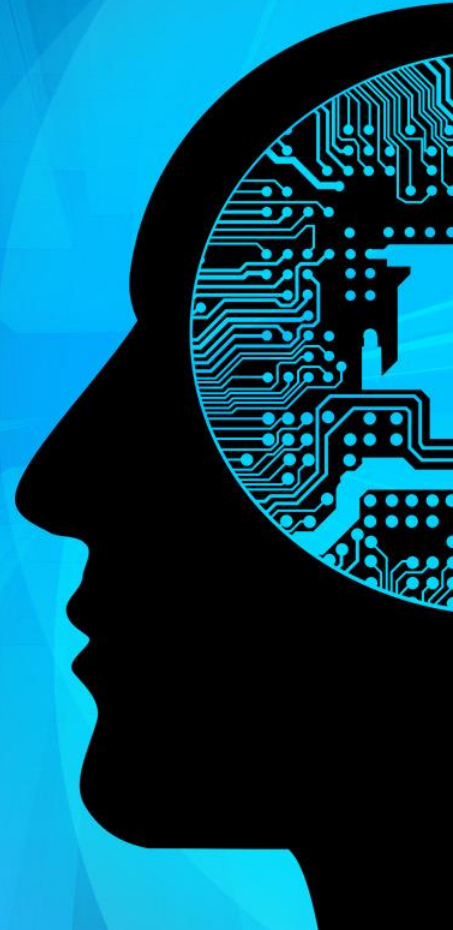
# Conclusion

- ❖ The Cisco Organizing Foundation Program is hailed as a astoundingly fruitful case of a efficiency pyramid allegory.
- ❖ The program's fast increasing speed, worldwide nearness, and creation of an colossal organizing ability pool.

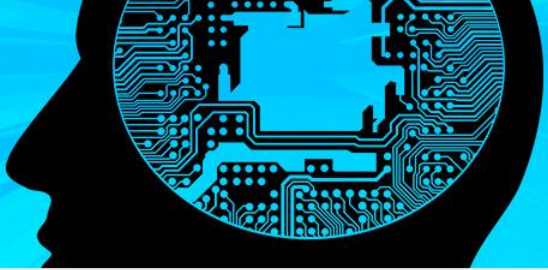


# Thank You

Any question? 



# Reference list



- Cisco. (2021). *Bridging the divide: Getting IT and OT to work together for industrial IoT*. Available at: <https://blogs.cisco.com/internet-of-things/bridging-the-divide-getting-it-and-ot-to-work-together-for-industrial-iot> [Accessed on 23 November 2021]
- Cisco. (2021). *Cisco Industrial IoT Portfolio*. Available at: <https://www.cisco.com/c/dam/en/us/solutions/collateral/internet-of-things/industrial-iot-networking-portfolio-brochure-c02-741513.pdf> [Accessed on 23 November 2021]
- Cisco. (2021). *Cisco Industrial Security*. Available at: <https://www.cisco.com/c/en/us/solutions/internet-of-things/iot-security.html#~features> [Accessed on 23 November 2021]
- Cisco. (2021). *Cisco IoT Solutions*. Available at: [https://www.cisco.com/c/en\\_in/solutions/internet-of-things/overview.html](https://www.cisco.com/c/en_in/solutions/internet-of-things/overview.html) [Accessed on 23 November 2021]
- Cisco. (2021). *Cisco Solutions for FirstNet*. Available at: <https://www.cisco.com/c/dam/en/us/solutions/collateral/internet-of-things/Cisco-IoT-FirstNet-Certification-AAG.pdf> [Accessed on 23 November 2021]
- Cisco. (2021). *IoT Management and Automation*. Available at: <https://www.cisco.com/c/en/us/solutions/internet-of-things/iot-management-automation.html> [Accessed on 23 November 2021]
- Cisco. (2021). *Remote Operations*. Available at: <https://www.cisco.com/c/en/us/solutions/internet-of-things/remote-operations.html> [Accessed on 23 November 2021]
- Cisco. (2021). *What does autonomous racing have to do with you?*. Available at: <https://www.cisco.com/c/en/us/solutions/internet-of-things/indy-autonomous-challenge.html#~event> [Accessed on 23 November 2021]
- Cisco. (2021). *Who is Cisco*. Available at: [https://www.cisco.com/c/en\\_au/about/who-is-head.html](https://www.cisco.com/c/en_au/about/who-is-head.html) [Accessed on 23 November 2021]