



*New Era University*  
College of Informatics and Computing Studies  
Department of Computer Science



## FREE ELECTIVE 3

CCSEL3-18



Course

# Introduction to IoT and Digital Transformation

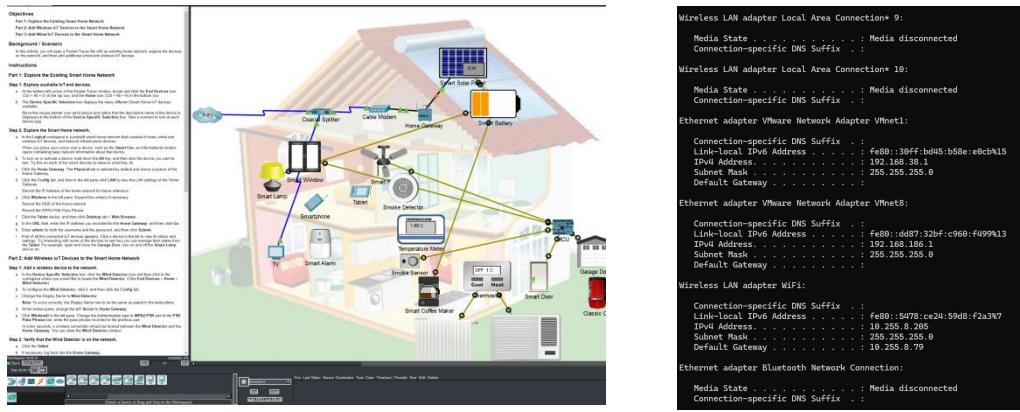
**ONLINE COURSE DOCUMENTATION**



Marasigan, Vem Aiensi A.  
BS Computer Science | 21-11295-310

## COURSE REFLECTION

The online course, "Introduction to IoT and Digital Transformation," was a valuable starting point for learning about how the Internet of Things (IoT) connects with modern digital strategy. The course delivered a strong overview of the key concepts, terms, and technology that drives digital change today. The structure made it easy to get a clear, high-level view of how connected devices, data pipelines, and transformation strategies interact. This course is definitely recommended for anyone new to the subject who needs a solid and accessible introduction to the large field of IoT.



*Some laboratory activities*

However, since the curriculum covered a wide variety of topics, some sections felt repetitive or less useful than others. Specifically, the segments on Big Data were easy to skip. I had already learned this material thoroughly in previous courses, like the "Intro to Data Science" certification. Similarly, the basic programming topics could be learned much better from hands-on platforms. For example, sources like Kaggle are more effective for learning languages like Python. Still, the course is good in terms of its practical component. It offered several interesting lab activities using Packet Tracer. These simulations provided important, non-theoretical exposure to network setup and device connectivity, which is enough detail for an introductory course.

In summary, the "Introduction to IoT and Digital Transformation" achieved its main goal of introducing a broad field. Its best aspects are the hands-on networking practice with Packet Tracer and its clear overview of the entire IoT ecosystem. Finally, the course is a solid stepping stone that successfully bridges the gap between classroom ideas and real-world application, giving a strong foundation for more specialized learning later on.

## COMPLETION RECORD



Completed by  
**Vem Aiensi Marasigan**

Issue Date  
**Nov 29, 2025**

Total Hours  
**6**

### ABOUT COURSE

#### **Introduction to IoT and Digital Transformation**

Billions of devices connect to the network every day. Learn how IoT is digitally transforming the world and opening up exciting new jobs.

### SKILLS



This certificate is awarded to

**Vem Aiensi Marasigan**

for successfully completing

**Introduction to IoT and Digital Transformation**

offered by Networking Academy  
through the Cisco Networking Academy program.

*Lynn Bloomer*

Lynn Bloomer  
Director  
Cisco Networking Academy

**29 Nov 2025**  
Completion Date



COURSE

**Introduction to IoT**

Issued On: Nov 29, 2025



*For badge verification*