COURSE CODE: PRAC101 Section: BSIT - 4103 (IM)

COURSE TITLE: OJT / PRACTICUM 1

TERM: 1st Semester, SY 2024-2025

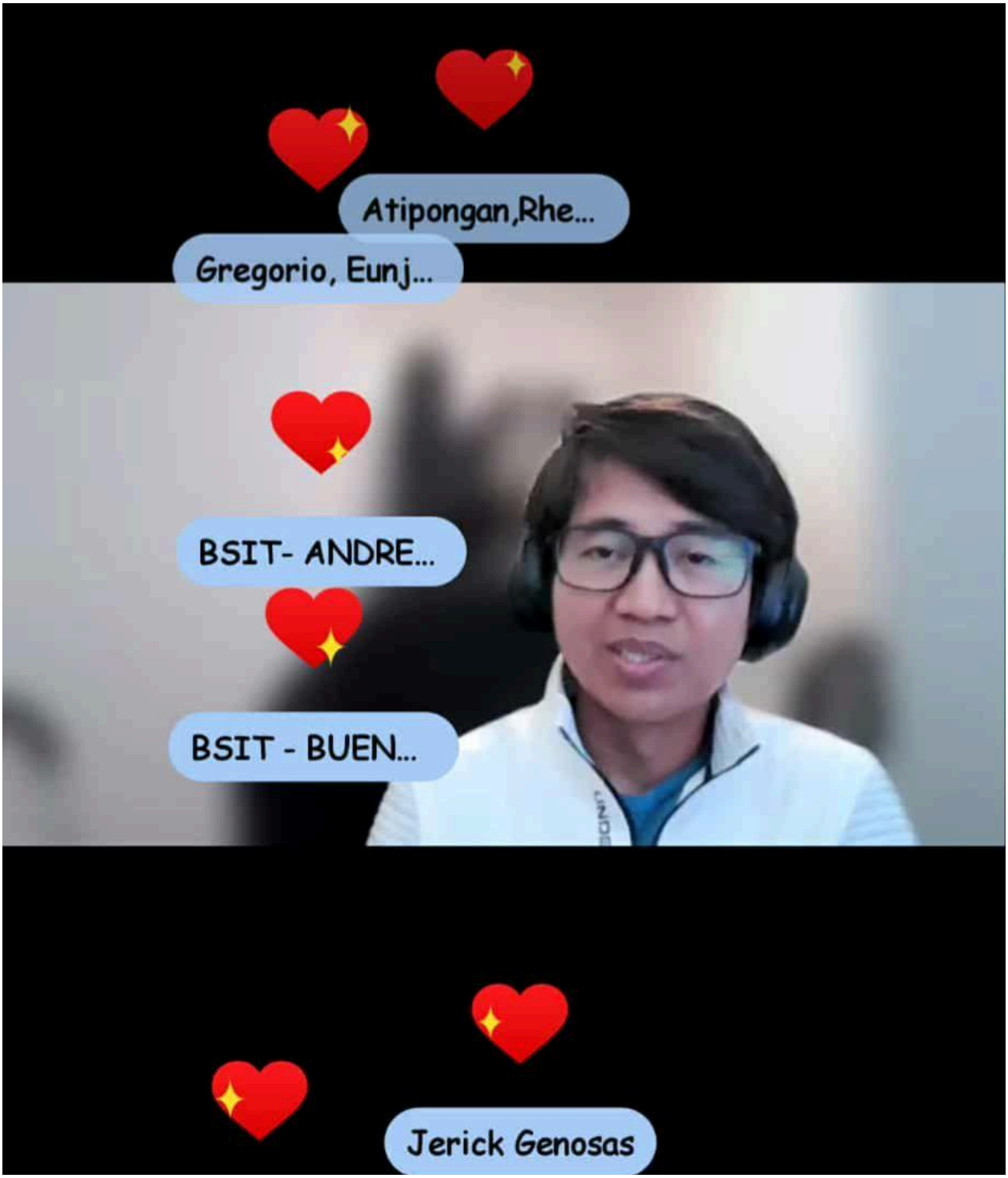
PROFESSOR: MR. VINCENT CARLO T. GARADOS

NAME OF STUDENT: BUSTALINIO, JR. GEORGE KELVIN C.

OJT NARRATIVE REPORT

A. TOPIC: FAMILIARIZING WITH AI Session 3 : Python Fundamentals
B. SPEAKER: MR. MARC TONIDO
C. DURATION: 2:30 PM – 3:30 PM

D. SCREENSHOT OF DUTY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E. REFLECTION

FAMILIARIZING WITH AI Session 3 : Python Fundamentals

In this session about Python Fundamentals, I was able to understand why Python is considered one of the most popular languages today, especially in AI development. The introduction made me realize that Python is not only easy to learn but also has a wide community and many libraries that can support different kinds of projects. This gave me motivation to explore it more because I know it will be useful for both academic and professional purposes.

Learning the basic syntax was also very helpful because I now see how important indentation, comments, and case sensitivity are in writing Python programs. Unlike other languages that use symbols like braces, Python depends on proper indentation to make the code work and that really taught me the value of writing clean and organized code. The explanation about line continuation also showed me how flexible Python can be when dealing with long expressions.

When we tackled operators, I understood how Python handles different operations such as arithmetic, comparison, logical and assignment operators. This part was very practical since it showed me how to apply simple calculations and conditions directly into code. I also found the discussion about membership and identity operators interesting because they help in checking values and objects inside collections.

The section on data types and variables gave me a deeper appreciation of how Python treats data. Since it is dynamically typed, I don't need to declare the type of variable explicitly, which makes programming faster and simpler. I also learned about the different data structures like lists, tuples, sets and dictionaries, which are essential for organizing and processing data effectively.

In control flow, I saw how important conditional statements and loops are for decision-making and repeating tasks. The try-except blocks also showed me how Python can handle errors gracefully, which is important in real-world programs. Finally, learning about functions gave me the idea of how to reuse code efficiently and how parameters and return values make programs more flexible.

Overall, this session was a very meaningful step in my learning journey. It gave me the foundation I need to not just write basic Python code, but also to prepare for more advanced applications like artificial intelligence.