Subject: robotics programming team progress.

Date: 13/12/2023

To whom this may concern

   This is a report on the robotics programming team progress. These are the programming concepts that we covered. Students learned them and applied them in the lap.

- Creating variable and storing value.
- Printing the values of a variable.
- Data types. String, int, float and string.
- Defining functions and invoking them to run the code inside of them.
- Working with parameters and passing argument when calling/ invoking the function.
- Working with lists in python.
- Adding elements to the list. Using list.append()
- How to access element using the index.
- Removing elements from the list. Using list.remove()
- Working loops: for loop and while loop.
- Using if, elif and else statement.

   We used this website: https://www.tinkercad.com to simulate Arduino Uno functionalities in the their online simulator. In tinkercad.com the code was written C++. The code was explained and compared to python code they learned. For example, the parameters and passing arguments.

   Students used the knowledge above to build a simple car game. Using: input, print(), while loop, if, elif, else and functions.

   All of these concepts were to the students using the high-level-programming language called python. As the lessons were taught the difference between python and other programming language were highlighted.

Yours faithfully,

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