***TASK***

***ATI System***

***Mahmoud Mohamed Ali***

* The name of the selected IDE, the selected microcontroller and the selected operating system.
* I used:

IDE: STM32CubeIDE.

MCU: STM32f103c8t6.

OS: FREERTOS.

* Suggested Software design:

SmartDraw Software.

* A buildable/running project over any suggested IDE tool.

Keil Uvision.

* Try to implement a clean code, and if you have knowledge with MISRA C:

I have used CppCheck to analysis the code and check if it violate the

MISRA Rules 2012.

Note: the Rules Marked AS Advisory I have skipped it (some of them not all).

MISRA\_RULES Problems….

