Annex D:

Examples of micro:bit applications

1.   Reviving the "Tamagotchi" idea, the micro:bit can be programmed to be a digital pet. The pet can be "walked" by shaking the micro:bit. There is also a button to feed it, and another button to clean it. The pet can also display its emotion through the animations shown on the 5 x 5 LED display.

Project 1 – Digital Pet

2.   Micro:bit can be programmed to measure the soil moisture level and trigger a water pump when the moisture level is low.

Project 2: Auto plant watering system

3.   Micro:bit can be programmed to count the scores whenever the ball goes through the cup.

Project 3 – Basketball Scoreboard