



**IAS101 – FUNDAMENTAL OF INFORMATION ASSURANCE AND SECURITY 1**  
**LABORATORY ACTIVITY 2**

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**STUDENT NO:** 17 - 1499

**YEAR/SECTION:** SBIT – 3D

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SCORE

PERCENTAGE

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**INSTRUCTIONS:**

Conduct some independent research using scholarly or practitioner resources that will answer the following statements below.

Exercises:

1. Give at least 10 devices that apply the characteristics of IoT,
2. Explain how do the devices works, and
3. How do they process the data and send information.

**1. Google Home Voice Controller**

- Google Home Voice Controller is a smart IoT device which allows the user to enjoy features like media, alarms, lights, thermostats, control the volume and much more functions just by their voice.

**2. Amazon Echo Plus Voice Controller**

- Amazon Echo Plus voice controller is a popular and reliable IoT device. It is capable to run songs, do phone calls, set timers and alarms, ask questions, provide information, check the weather, manage to-do & shopping lists, manage house instruments, and several other things.

**3. Amazon dash Button**

- Amazon Dash Button is basically a device that gets connected over internet Wi-Fi and makes sure that the user does not lack important household items like soft drinks, grocery material, medical and personal care, kids and any pet items ever again.

**4. August Doorbell Cam**

- August Doorbell Cam is an effective IoT innovation. August Doorbell Cam allows you to answer your door from anywhere or remote location. It constantly checks your doors and also captures motion changes in your doorstep.

**5. August Smart Lock**

- August Smart Lock has proven to be a reliable security IoT device. It allows the user to manage their doors from any location hassle-free. It helps the user to keep thieves away and family in your home.

**6. Induction Cooker**

- heats a cooking vessel by electrical induction, instead of by thermal conduction from a flame, or an electrical heating element.



**7. Smart Watch**

- To use a smartwatch, you need a smartphone. On your smartphone, you install the app that comes with the smartwatch, such as Android Wear or Watch from Apple. By opening the accompanying app on your smartphone and turning on Bluetooth, you can synchronize the watch with your phone.

**8. Kuri Mobile Robot**

- Kuri is the first sort of home robot and most popular too. It is specifically designed for entertainment. Kuri interacts with the users and captures moments all around the house daily.

**9. Belkin WeMo Smart Light Switch**

- The WeMo Light Switch helps a user to manage your home lights from the wall, your mobile or by using your voice. This smart light switch connects to your existing home Wi-Fi network to give wireless access of your lights – with no subscription or hub required.

**10. Smart Lock**

- A smart lock connects to your home's WiFi network, which allows it to receive the code or smartphone command to lock or unlock.