**Robotics & Automation**

Automation: The techniqve of making an operate automation , process or system work or operates automation with minima human input.

Assignment: 3 Things or processes that can be autometed.

**What types of processes can be automated?**

**Some examples of business processes that are often automated include:**

* Data reporting.
* Customer support ticketing.
* Applicant screening during hiring
* Common processes to be automated include invoicing, sales orders, accounting reconciliation, data entry, system queries, payroll, employee or vendor on-boarding, or staff terminations. A typical example of when process automation could be hugely beneficial is in a service company.

**What are three examples of automation?**

* Common examples include household thermostats controlling boilers, the earliest automatic telephone switchboards, electronic navigation systems, or the most advanced algorithms behind self-driving cars.

2. Robotics: Is a branch of Engineering that

Involves consumption, design and Manufcedvre and opecetions of robots.

Robot: 1. Repetitive tasks

2. Dangerous tasks

3. Robotics Combines the use

Electrpnoes

Mechanins

Software

To program robots to do partiotar

Jobs ( Repetitive, Dangerous) tasks.

**Benefits of robotics**

Improved Productivity – Robots do not get tired.

Increased accuracy of Production-Reduced human error.

Increased Speed of Production.

Increased safety of production- Sparp objects, heavy machinery and high temperatures.

**Key Concepts and components of Robotics TECHNOLOGY**

Hardware components

The physical that make

Up a robot, such as sensors, actuators,

manipulators, and controllers.