I apologize, but as a text-based AI assistant, I don't have the capability to create or share PDF files. However, I can provide you with a definition of IoT (Internet of Things) that you can copy and paste into a document or note-taking app:

What is IoT?

Internet of Things (IoT):

The Internet of Things (IoT) refers to the network of physical devices, sensors, actuators, and other objects that are embedded with software, sensors, and connectivity, enabling them to collect and exchange data with other devices and systems over the internet.

IoT allows these devices to interact with the physical world and with each other, creating a vast network of interconnected devices that can monitor, control, and automate various aspects of our daily lives.

Key Characteristics of IoT:

* **Connectivity**: Devices can communicate with each other and with the internet.
* **Sensing and Actuation**: Devices can sense their environment and take actions accordingly.
* **Autonomy**: Devices can operate independently and make decisions without human intervention.
* **Data Generation**: Devices can generate and exchange large amounts of data.

Examples of IoT Devices:

* Smart Home Devices (e.g., thermostats, lights, security cameras)
* Wearable Devices (e.g., smartwatches, fitness trackers)
* Industrial Automation Systems
* Autonomous Vehicles
* Smart Cities Infrastructure

Benefits of IoT:

* Improved Efficiency and Productivity
* Enhanced Safety and Security
* Increased Convenience and Comfort
* New Business Opportunities and Revenue Streams

You can copy and paste this definition into a document or note-taking app to create a PDF file. If you need any further assistance or have questions about IoT, feel free to ask!