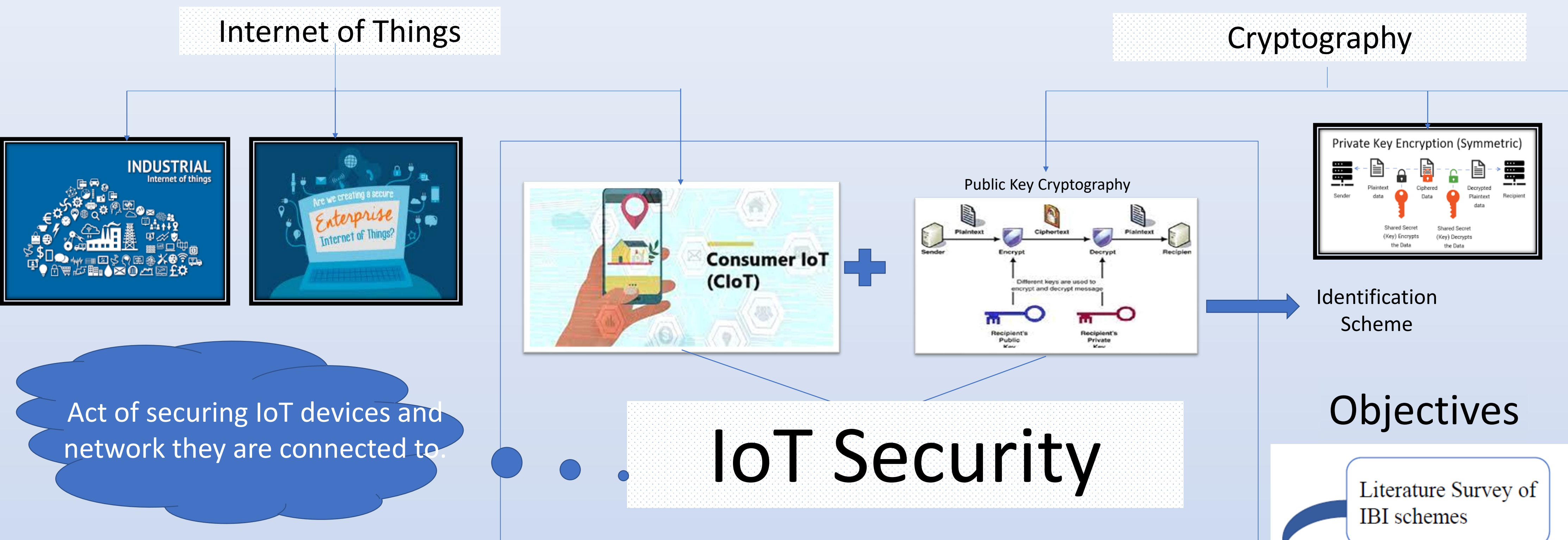


Identification Scheme For Constrained IoT Devices

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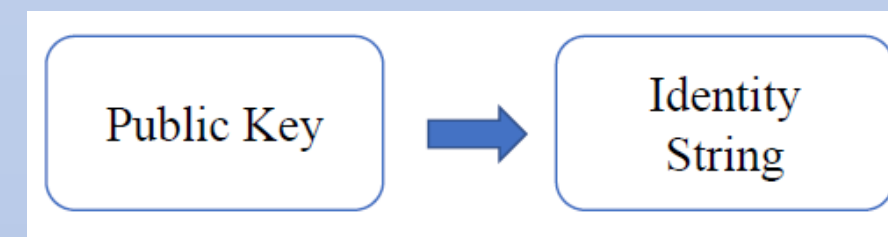


Motivation

1. Our target is securing all IoT devices under **one roof**.
2. Multiple IoT devices focus on **tight security** and **more efficiency**
3. It **verifies** large number of IoT devices at a **one time**.

Contribution

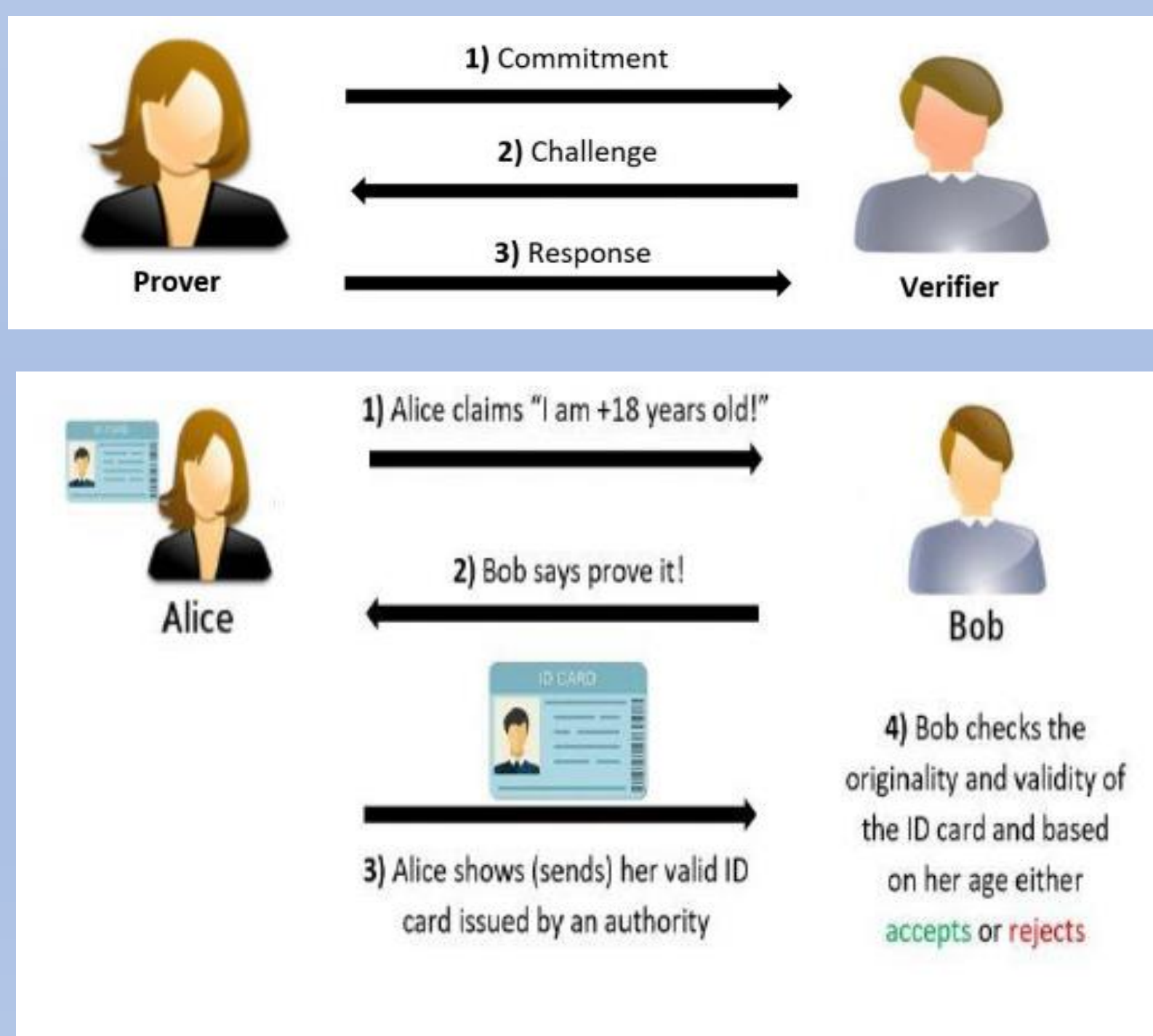
We focus on efficient computation along with tighten the security. In identification scheme, public key is replaced by identity string, and it helps to reduce the burden on Public Key Generator (PKG) to maintain many public keys.



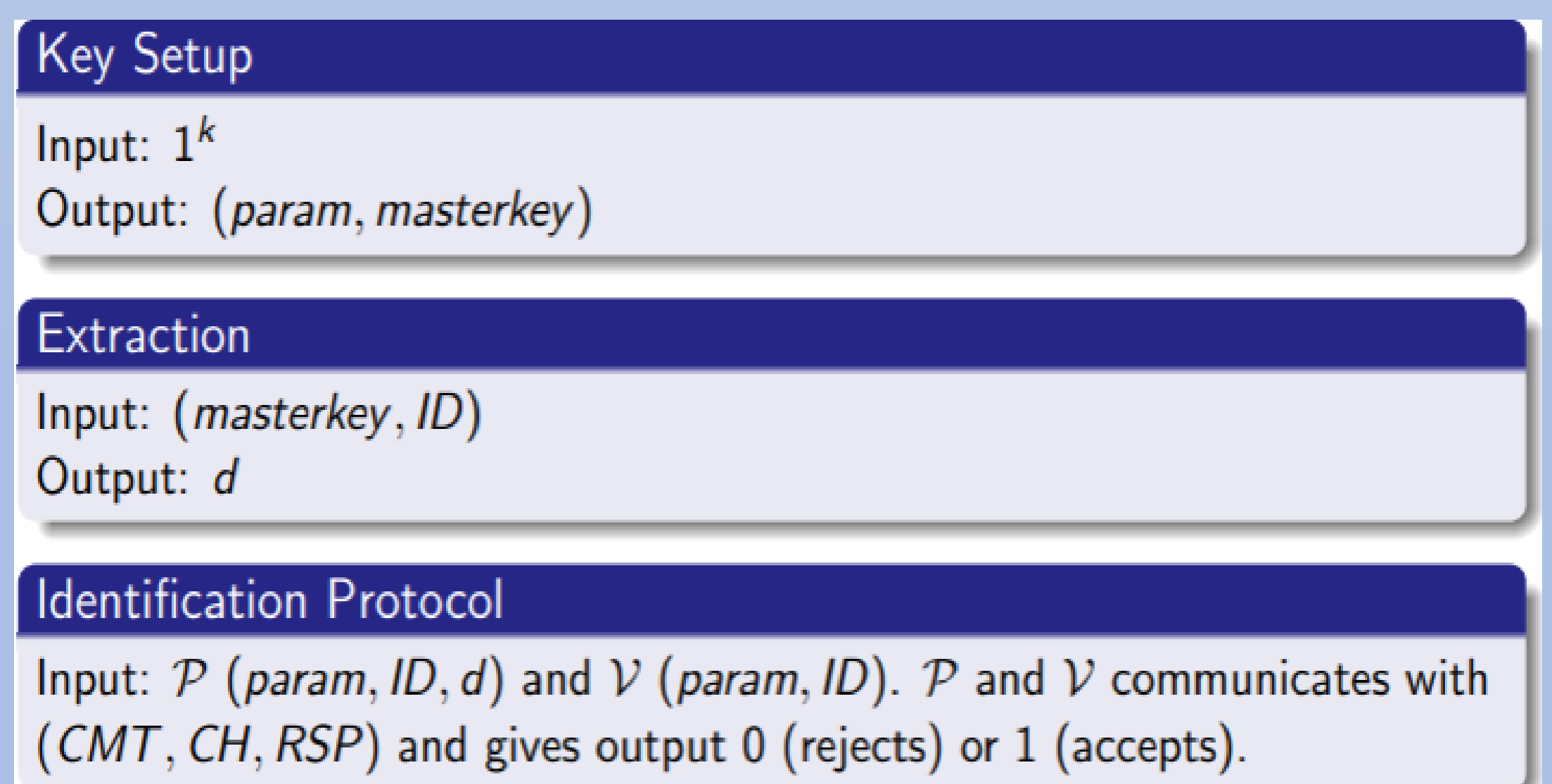
Objectives

- Literature Survey of IBI schemes
- Identify
 1. Characteristics
 2. Gaps
- Construct novel IBI For IoT devices
- Security model
- 1. Efficiency and Security analysis
2. Implementation

Standard Identification Schemes



Identity-Based Identification (IBI) Scheme



The IBI scheme can be constructed in a simpler way and easily extended to be efficient for all IoT devices. The goal of authentication will be achieved.

CONCLUSION