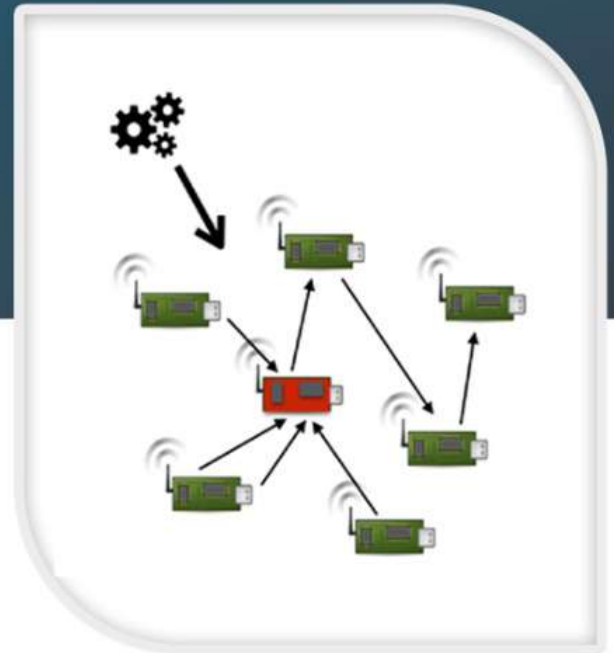


## TECHNOLOGY DEVELOPMENT PROGRAM SMART CITIES AND SOCIETIES

### Data Security in IoT Environments

Ensuring Data Security in IoT Environments  
through Machine Learning Techniques



#### Issue Being Addressed

- ▶ Security threats that are specific to constrained IoT environments
- ▶ Hardware Trojans, Side Channel Attacks, Denial of Service attacks, IoT node replication attacks, physical attacks on remote nodes, and several others

#### Key Feature of The Technology/Product /App Which Is Being Developed

- ▶ Machine learning algorithms to be highly sophisticated and sensitive to the workings of the environment
- ▶ An Intrusion Detection System (IDS) for such low power personal area IoT networks

#### Impact & Benefit

- ▶ The approach identifies the vulnerabilities specific to the IoT domain and how these are different from those of the conventional Internet
- ▶ Secures the data from getting diverged or accessed by illegitimate entities

#### Team

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#### Targeted Customers & End Users

- ▶ EPS Global
- ▶ Fortinet