Software Capstone Design(2) | Research Proposal

Secure Localization
in VANET

조 |

⊞ Contents

➕ Team Member

- Lab : Laboratory
  - Prof : 교수님
  - TA : 조교님

- Team Member
  - 과
  - 과
  - 과

⊞ Subject

Secure Localization in VANET

Definition

- **V**ANET : Vehicular Ad-hoc Network
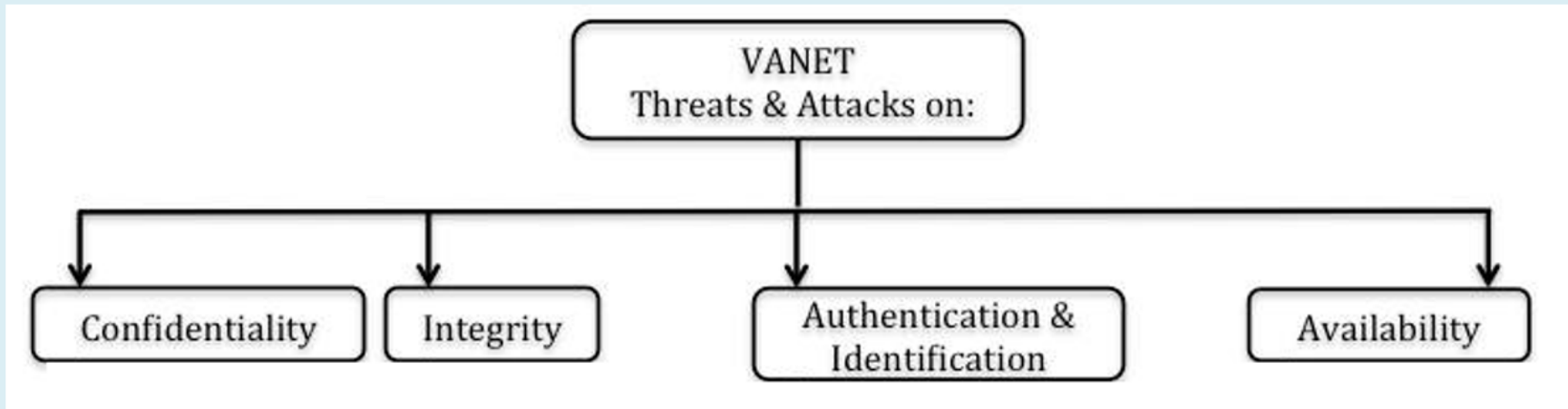 - 다수의 차량들이 무선통신을 이용하여 차량 및 노변장치 간의 통신을 제공
  - 다양한 응용이 가능함
  - 안전이 매우 중요하기 때문에 **보안**이 필수적임
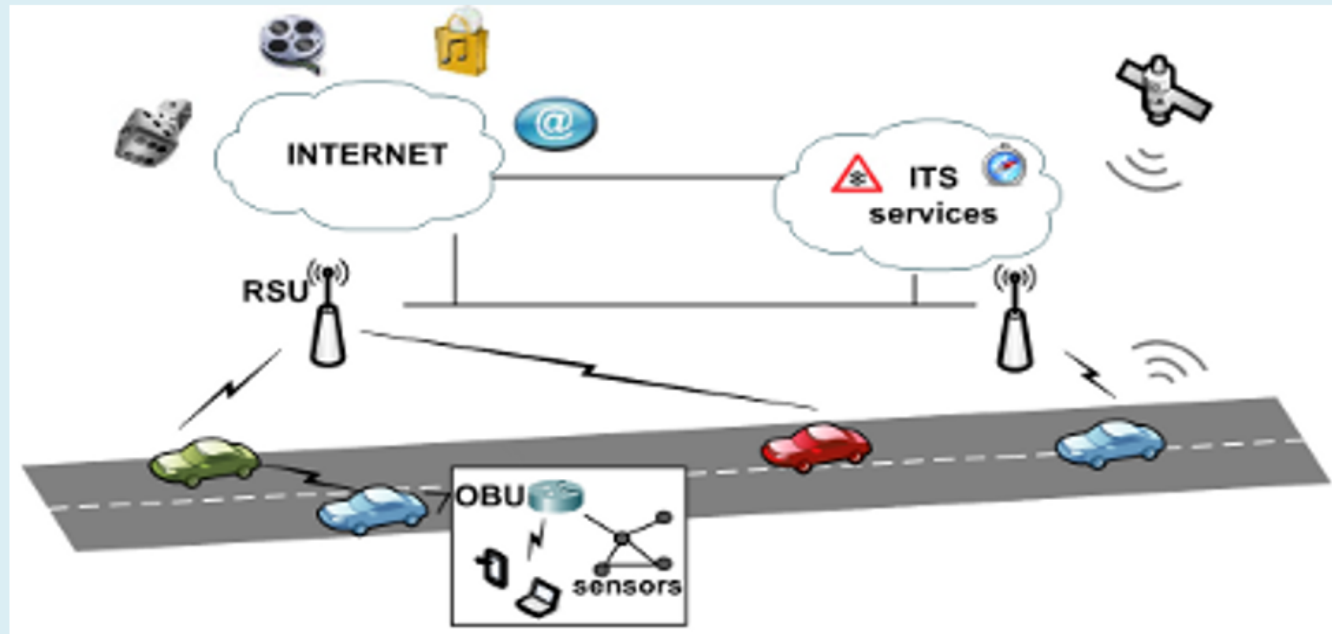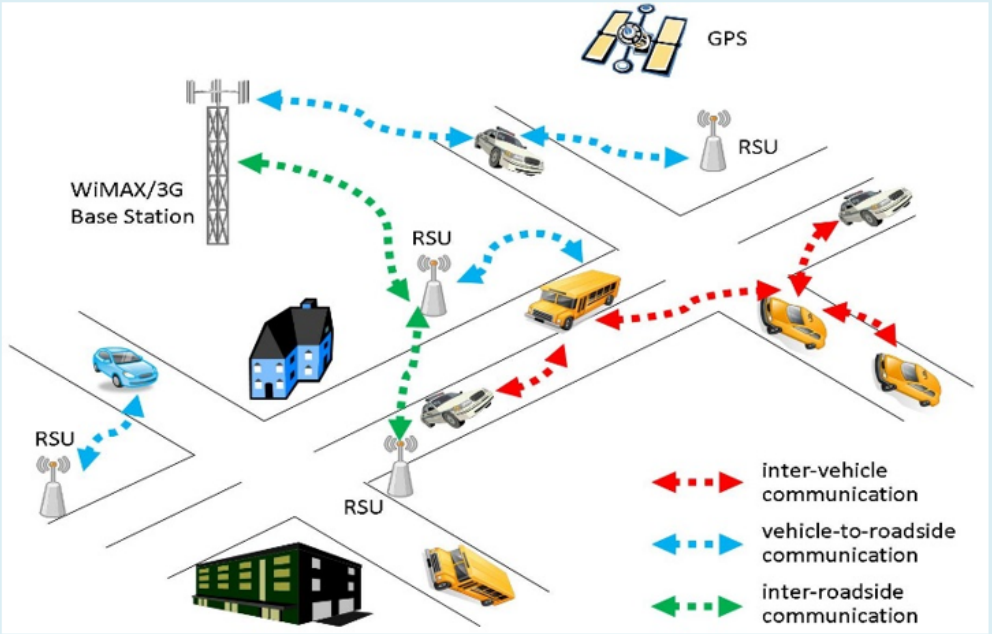
⊞ Issue

- **S**ecure **L**ocalization :
    - Security against the localization attacks
    - **Localization** : determination of object's spatial coordinates in a given field
    - Possible Localization Attacks on VANET
        - Selective forwarding, Replaying Packet, Position Faking
        - Jamming, Denial of Service

⊞ Given Materials & Expected Result

- **Related Works**
    - Radio Signal-based Methods
        - Received Signal Strengths
        - Time-of-flight
        - Angle-of-Arrival
    - Resource-based Methods

- **Expected Result**
    - Improved VANET-Defensive Mechanism
    - Determination of trustworthy node

⊞ fin

Thanks You!