STRETCH ATTACK

DESTINATION

CAROUSEL ATTACK

MALICIOUS ROUTE

SECURED TRANSMISSION

PACKET TRANSMISSION

HOP

LOOPING ROUTES

USER

**USECASE**

SENDER /RECEIVER

FORWARD FILE

STRETCH ATTACK

CAROUSELATTATTACK

LOGIN

RECEIVE FILE

SEND FILE

LOGIN

HOP

NODE DEPLOY

STRETCH ATTACK DETECTION

IDS

CAROUSEL ATTACK DETECTION

DIJKSTRA (SHORTEST PATH)

NODE TOPOLOGY CONSTRUCTION

LEVEL -O

DATA SERVER

DATA SERVER

USER

BATTERY MANAGER

DATA SERVER

LEVEL 1

ENERGY USAGE

DATA SERVER

DATA SERVER

USER

CHECK THE STORAGE

BATEERY MANAGER

LYAPUNOV TECHNIQUE

DATA SERVER

TRANSFER POWER TO MARKET

SEQUENCE

SENDER HOP DESTINATION IDS

LOGIN

PORT

PKT FRWD

NXT HOP

PKT

PKT FRWD CHECK CAROUSEL STRETCH ATTACK

NXT HOP IF PKT VALID

DROP PKT IF PKT INVALID

PKT