| Project Name | C4AN | |
| --- | --- | --- |
| Supervisior | Dr. Ahmed Hamdy | |
| Keywords | Mobile Ad-hoc Networks, Routing, Communication, Tactical Teams. | |
| Estimated Cost | No cost | |
| Project Summary | C4IAN (Command, Control, Communications, Computing & Intelligence using Ad-hoc Networks) is a scalable communications solution for tactical teams. It builds a mobile ad-hoc network on-the-go between command centers and units allowing them to communicate effectively and securely while moving freely, without the need for any infrastructure. Our system runs on handheld tactical devices, robots, drones, or any other Linux-based platform. It provides both a platform-independent network layer which routes data through dynamically changing and scalable topologies, and an application for tactical teams’ units and command centers. | |
| Characteristics | Service | Product |
| Innovation | New | Improved |
| Beneficiary | Tactical teams, military, police, emergency and rescue teams. | |
| Students | | |
| Abdulrahman Khalid | <https://www.linkedin.com/in/abdulrahman-elshafei/> | |
| Ahmad Mahmoud AbdEl-Monaem | <https://www.linkedin.com/in/ahmedafifi98/> | |
| Mahmoud Adas | <https://www.linkedin.com/in/mahmoud-adas> | |
| Yosry Mohammad | <https://www.linkedin.com/in/yosrym93> | |