

AVIATION CONNECTION

Aviation Connection STEM Program AERO 3 - Artificial Intelligence & the Flying Robots



Aviation Connection, in collaboration with software and computer engineering students and professors, has developed a Program to teach Junior High students, the basics of Artificial Intelligence in a fun and accessible way using Flying Robots (Intelligent drones).

Artificial Intelligence is the force that compels the machines to perform human-like functions and thinking.

The AERO 3 A.I. course provides a total of 24 hours of instruction delivered by Aviation Connection trained instructors with the collaboration of Science & Technology teachers.

- Fall session : 8 x 1.5 hour courses = 12 hours
- Winter session : 8 x 1.5 hour courses = 12 hours
- 1 Flying Robot per team of 2 – 30 students per class

The goal:

- ✓ Teaching the fundamental of programming concepts using the Python language.
- ✓ Use of data-driven approaches
- ✓ Collection of training data,
- ✓ Training of neural networks
- ✓ Use of these networks to recognize objects and make the drone react accordingly