**Drone Tech Advisory Committee Meeting**

May, 2022

**Members online: FC:** Jay Seidel. **Professionals**: Sgt. Jason Morris (Corona Police Department), Steven Katz (Flying Lion), Emily Katzan (Drone Angel), Eric Ortorski (OC Public Works), Desi Ekstein (On the Go Video), Josh Friedman (One Zero Media), Brandon Del Piore (C2 Technologies), John Cooper (Birds Eye Aerial Drones), Mike Fortin (Cinedrones).

Introductions and updates

The Committee reaffirmed the mission of the Fullerton Drone Lab:

*The Fullerton Drone Lab trains students on the skills needed for tomorrow’s workforce by utilizing drone technology. The three areas identified in the drone tech program are piloting, application, and development.*

Student outcomes were discussed and supported as stated in current curriculum.

Seidel updated the committee on grants including the California Chancellor’s Apprenticeship grant and the FAA Workforce Development grant to develop a maintenance technician program. All members felt that both are greatly needed for the industry and will be great addition to the drone lab. Seidel also updated the committee on the offering of the Administration of Justice drone courses and collaboration with the Geography Department, including the new computer lab classroom.

**Courses**

The members unanimously supported the current course offerings.

**Courses currently in development include:**

*TECH 260 Multispectral Data Processing*

*TECH 290 Internship*

TECH FPV Drone Piloting (1 unit)

TECH 258 Expanded UAS/Drone Operations

***Certificates and degrees in development***

*Drone Repair Technician*

*Drone Imaging and Mapping*

*Drone Entrepreneurship – (Collaboration with the Business Department, includes business and marketing courses)*

*Associate of Science degree in Uncrewed Piloting Applications (based on Embry Riddle) Now Drone and Autonomous Systems Associate in Science Degree pre curriculum committee recommendation.*

The advisory committee members agreed unanimously that these courses are beneficial, and the certificates are good for focused training and experience. They approved the development of the courses and certificates programs. They wondered if they could be connected more.

Katz and Del Piore said that real-world experience is vital to the training program. It’s what sets a true training program apart from just a YouTube video. It’s what will help gt students working.

Ekstein added that incorporating safety and safety training and procedures in all classes is important as we move forward.

**Collaborations**

The current collaborations with the OC Water District and the city of Fullerton were discussed as well as the apprenticeship program and internship with Cyberhawk. All aggreged that it’s unique to the program and what makes this program one of the leading training schools in the country. Future collaborations with more partners in different areas were discussed and encouraged by the entire committee.

**Training/Certification**

The ASTM and pending AUVSI service provider certification were supported by the committee. Ways to integrate FC certificates and larger association and industry certifications were discussed.

**Equipment Needs**

New equipment and drone purchases were discussed.

“Blue listed” or non-DJI drones were encouraged.

Heavy lift drones from Inspired Flight and an enterprise level drone from Skydio were encouraged.

An Elios 3 from Flyability, equipped with LiDAR was also encouraged for inspection training. Also, the purchased of a Boston Dynamics “Spot” quadruped was supported.

Storage and facility space were seen as the need as it continues to grow.

Industry updates were shared.

Anticipation for beyond visual line of sight operations and the possible development of a new certification. It was recommended that FC Drone Lab look to ensure the pending TECH 258 Expanded UAS/Drone Operations includes any new regulations.

Discussion on Package delivery and training was discussed. However, members felt that training and preparing maintenance and repair technicians would be the most important.

Next meeting schedule for 2023