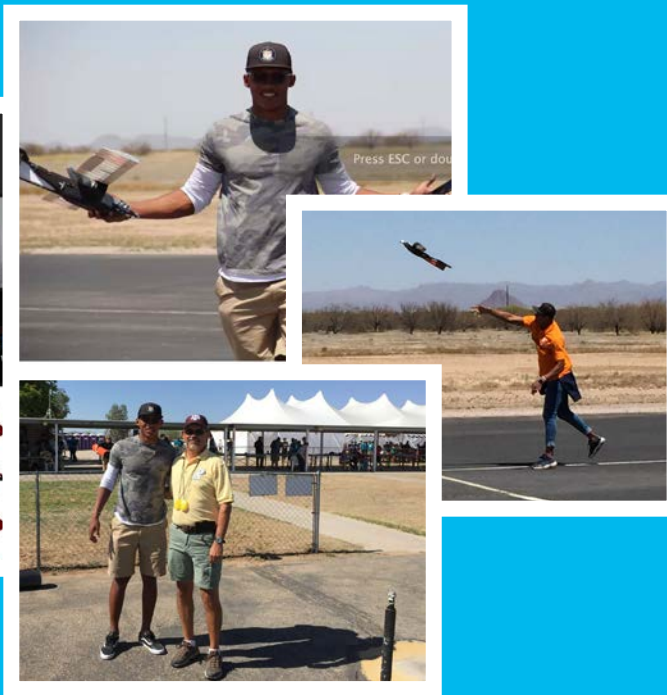
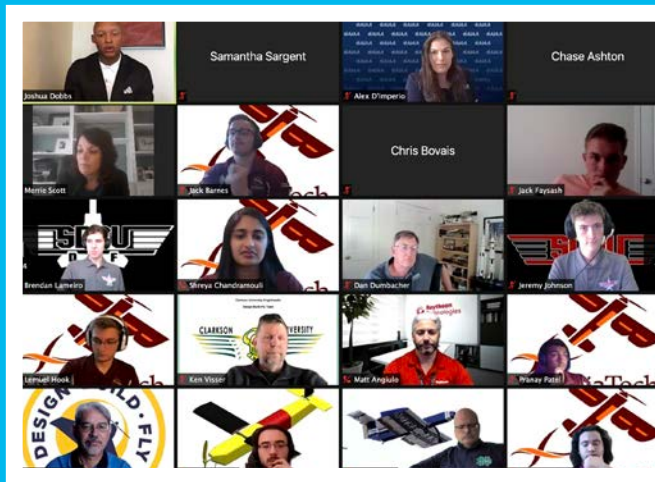


# MAKING AN IMPACT

# 25 Years of Design/



Each year AIAA invites university students from around the globe to participate in the AIAA Design/Build/Fly (DBF) Competition ([aiaa.org/DBF](https://www.aiaa.org/dbf)). DBF is a premier event for student aerospace engineers because it provides a real-world aircraft design test for them by giving them the opportunity to validate their analytic studies. DBF experience is known to give students a resume boost.

This year we celebrated the 25<sup>th</sup> annual DBF fly-off virtually. The objective was for teams to design, build, and test a UAV with a towed sensor. Committed to providing teams the opportunity to highlight their aircraft, the DBF Organizing Committee add in a third round to this year's competition. This allowed teams the opportunity to submit video footage demonstrating and presenting their aircraft in flight.

On 15 May a virtual Zoom awards

ceremony was held to announce the winners. 2017 DBF alumnus Joshua Dobbs, who majored in aerospace engineering at the University of Tennessee, Knoxville, and currently is a quarterback for the Pittsburgh Steelers, shared his DBF experience and how he has applied his aerospace engineering degree on and off the field.

*AIAA is proud to have had 92 teams compete in our 2020–2021 competition. This year's top three winners are:*

**First Place** (\$3,000): Dayananda Sagar College of Engineering

**Second Place** (\$2,000): University of Central Florida

**Third Place** (\$1,500): Embry-Riddle Aeronautical University Daytona Beach

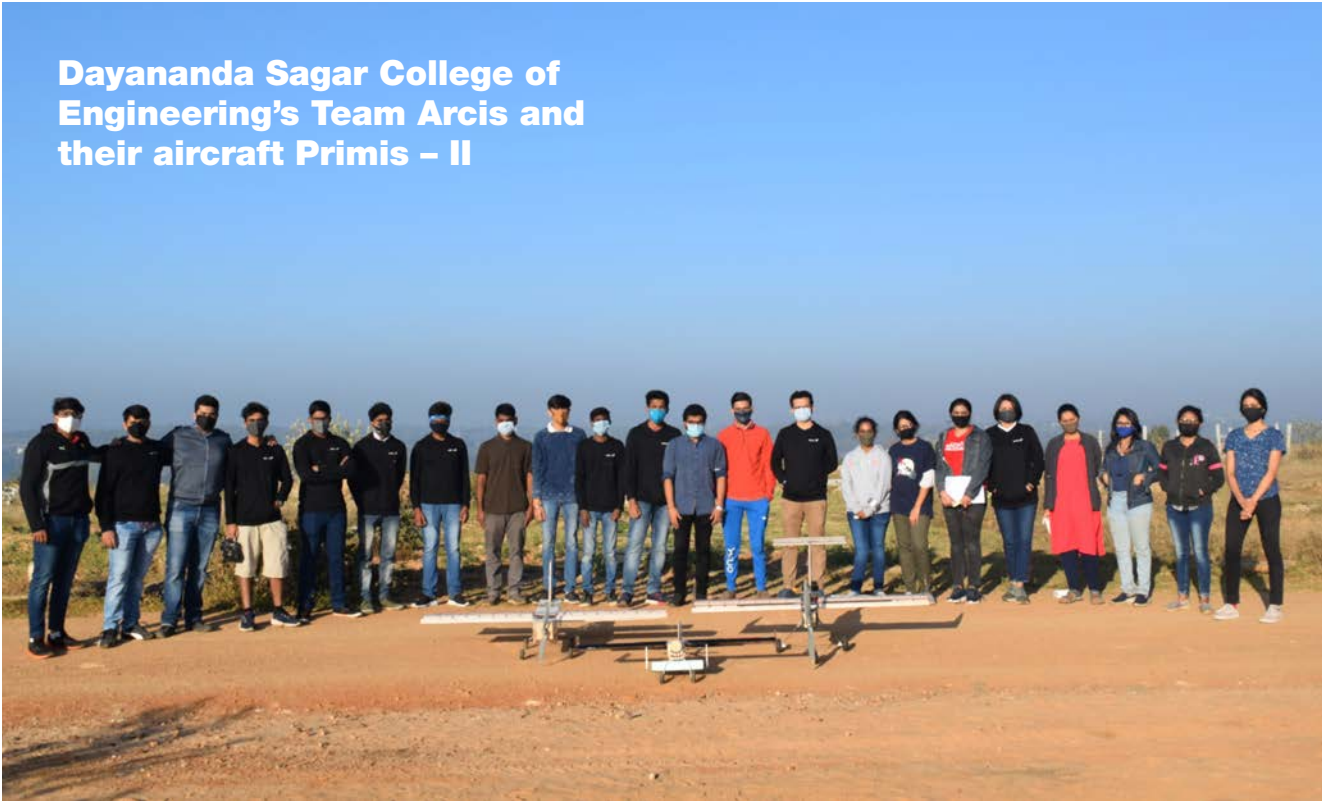
**The Best Paper Award** went to the University of Michigan, Ann Arbor.

The full list of team placements can be found at <https://www.aiaa.org/dbf>. You also can watch footage of all of the 2020–2021 teams flying their aircraft at AIAA's YouTube channel. (<https://youtube.com/playlist?list=PLO15RDxeY-OMCvy5-15g230fVVRrtunu-B>)

DBF's success is thanks to our sponsors from Textron Aviation, Raytheon Missiles and Defense, and Mathworks and our volunteers. Volunteers from AIAA Applied Aerodynamics, Aircraft Design, Flight Test, and Design Engineering Technical Committees collectively set the rules for the contest, publicize the event, gather entries, judge the written reports, and, in all other years, organize the fly-off.

# Build/Fly

## Dayananda Sagar College of Engineering's Team Arcis and their aircraft Primis - II



**Faculty advisor:** Hareesha N. G.

### **Team members**

Nayan Ganguli	Preethi S
Anirudh Vasist	Srinivasa G S
Saurav Deshmukh	Ronith Palaksha
Ayush K	Sai Sanketh R S
Raghav M	Sakshi Rastogi
Dhruv Dhaduk	Gagana B
Anjali A	

**Please consider donating \$25 in honor of the AIAA Foundation's 25<sup>th</sup> anniversary.** Programs like DBF help inspire the next generation of aerospace professionals. For more information about how to get involved with AIAA and make an impact please visit [saiaa.org/foundation](http://saiaa.org/foundation) or contact Alex D'Imperio, [alexandrad@aiaa.org](mailto:alexandrad@aiaa.org).



## University of Central Florida's Team Dark Knights and their aircraft, Knightmobile



**Faculty advisor:**  
George Loubimov

**Team members**  
David Silva-Melendez  
Devin Unterreiner  
Kyle Ramos  
Dillon Graves  
Mariangelo La Rosa  
Andrew Schroeder  
Jack Faysash  
Harshavardhan Bangaru  
Abhilash Manjula Prasad  
Bilal Rauf  
Mark Aldritz Dela Virgen  
Joseph Barr



## Embry-Riddle Aeronautical University—Daytona Beach's Team Embry-Riddle Eagles and their aircraft Sensor Towing Air Tractor (STAT)

**Faculty advisor:** J. Gordon Leishman



**Team members**  
Carson Raleigh  
Hunter Gray  
Harshil Patel  
Caleb Reeves  
Daniel Garlock  
Joseph Ayd  
Eva Dave

Alexander Roy  
Marissa Murphy  
Daniel Chen  
Andrew Bunn  
Victor Chang  
Zefu Ren  
Alex Neuman  
Nicholas Marshall

Brandon Babey  
Vedang Patil  
Matthew Mueller  
Ryan Hickerson  
Patric Hruswicki  
Riley Cox-Grosss