On 30th July 2014, DAA graduating students attended a career talk by DAA lecturers aimed to provide them with a glimpse of various roles in the aerospace industry.

The speakers were Mr Dennis Chew, Mr Chiang Keng Yong and Mr Phillip How; they shared with the students their roles and responsibilities as RSAF Engineer, Licensed Aircraft Engineer (LAE) and Avionics System Engineer respectively.

Mr Dennis Chew started by sharing his motivation to join RSAF and introduced the RSAF career progression path. Then he shared many interesting pictures of his overseas stints and related memorial incidents to the students.

The next speaker was Mr Chiang Keng Yong who recalled the challenges he faced when he started working in the aerospace industry – as a LAE trainee and having to balance academic studies at the same time. He then went on to speak on the various roles and responsibilities that he undertook as a full-fledged LAE with SIAEC.

The last speaker was Mr Phillip How who provided an insight into the Avionics System Engineer role – to design and integrate avionics systems in the aircraft as well as coordinate and collaborate with multi-disciplinary teams to deliver projects in a timely manner.

The career talk ended with a Q&A-cum-dialog session where the students had the opportunity to engage the speakers and DAA staff to find out more on careers in the aerospace industry.
Our team of DAA students, comprising Chen Chen, Feng Zhennan, Guang Kuang Ren, Justin Tan Kun Yi, Sunicia Efe Halim and Wong Chun Kang, took the Merit Award at the Security Awareness For Everyone (SAFE) Competition 2014.

The SAFE Competition is an Ministry of Home Affairs (MHA) initiative where students idealize and develop innovative solutions to address the varied safety and security concerns in Singapore.

Over a 6-month period, the team worked tirelessly to design, develop and build a surveillance drone capable of transmitting full 360° aerial live video streams wirelessly to the ground control station and providing independent video camera controls to support the surveillance operations in real-time.

The team received the award from Mr S Iswaran, Minister, Prime’ Minister’s Office and Second Minister for Home Affairs and Trade & Industry at the MHA Excel Fest on 8th Jan 2015.

Please join us to congratulate the team for their outstanding achievement!

A team of 4 Aeromodelling IG students from SEG, comprising Justin Tan Kun Yi and Liu Pan Ling from DAA and Justin Wong and Jeremy How from DAE, participated in the Drones Hacking Workshop in Oct 2014.

Organized by iDA Labs, the workshop aims to get tertiary students to build autonomous drones using Arduino boards with sensors such as accelerometer, gyroscope, digital compass and etc. The workshop is part of iDA Lab’s advocacy to give students exposure to hardware and software tinkering.

The students learnt the basics of drones such as the various types of drones and their uses, theory of flight, flight control as well as advanced topics such as hacking the Arduino autopilot system to incorporate and integrate sensors to build autonomous drones.

The workshop wasn’t all work for the team, they have the opportunity to interact with the distinguished members of the Research, Innovation and Enterprise Council (RIEC) – a council that advises Singapore cabinet on national research and innovation policies and strategies.
GliderFest@RP 2014

On 15th Oct 2014, 186 students from 16 secondary schools attended the GliderFest@RP 2014 – an annual competition where participating teams pit against one another to design and construct un-motorized gliders to fly the longest distance in a straight line.

GliderFest@RP 2014 marks the beginning of a new partnership with DSO Laboratories and Singapore Science Centre (SSC) to support the Singapore Amazing Flying Machine Competition (SAFMC).

The participants were briefed on the basics of gliders and theory of flight so that they have the knowledge to design and construct their gliders.

For the next 5 hours, the participants used the raw materials provided – balsa wood and constructing tools – to design, construct, test and fine-tune their gliders before the competition commenced.

Student helpers from the 3 Aerospace diplomas (DAA, DAE and DAVM) were also present to guide and assist the participants, putting the theory they learnt in the classroom to practice.

The Best Flight Performance prize was won by Bukit View Secondary School with a flying distance of 21.2m. The Best Aesthetic prize went to Evergreen Secondary School. The winning teams received the prizes from Mr Seto Lok Yin, Deputy Principal (Industry Services).

DAA @ RP Open House 2015

The RP Open House 2015 was held on 8th – 10th Jan 2015. In this 3-day event, visitors to the DAA booth interacted with the staff to find out more about the course curriculum, career prospects, opportunities for higher education, and many more. They also engaged our current students to understand their student life at RP.

The DAA booth showcased the various avionics systems, aircraft flight instruments and test equipment. Visitors who are fascinated with airplanes took the chance to pilot the simulator aircraft and experience being at the controls of the aircraft. They were also intrigued with the ‘black boxes’ – Flight Data Recorder and Cockpit Voice Recorder – that were showcased; they touched and saw the inside of ‘black boxes’, and learnt their functions from our students.
24 DAA students went on a SOT to Tianjin and Beijing, China in 21st – 27th Sept 2014, accompanied by Mr Phillip How and Ms Ong Whee Cheng.

In Tianjin, the students visited Airbus Tianjin – the first Airbus final assembly line located outside of Europe. They saw the assembly of the A320 jetliner and learnt the stringent assembly processes.

In Beijing, the students visited Ameco Beijing where they toured the facilities used for aircraft maintenance activities as well as engines overhaul and structural repair.

In addition to company visits, the students went to several educational institutions such as Tianjin Sino-German Vocational Technical College, Civil Aviation University of China and Beihang University where they visited the classrooms, laboratories, workshops and hangars, and learnt how lessons and practical work were conducted.

Apart from the company and educational visits, the students also learnt the rich history of China through visits to the Tianjin Food Street and Ancient Culture Street, Tiananmen Square, Forbidden City and Temple of Heaven.