On 9th Dec 2015, HOPE Technik and Republic Polytechnic (RP) signed a Memorandum of Understanding (MOU), aimed at providing Diploma in Aerospace Avionics (DAA) students with valuable industry experience on engineering development and integration, and fostering closer collaboration in technology innovation and development.

The three-year agreement will see HOPE Technik, a leading high performance engineering solutions provider, offer internships to DAA students as well as opportunities to collaborate on technology development with other SEG diplomas and Centre of Innovation (COI) for Supply Chain Management.

Mr Peter Ho, the CEO of HOPE Technik, is a strong supporter of RP. He has sponsored two DAA graduates for their undergraduate studies at NTU and NUS, and is currently the industry mentor of four 3rd year eLeap DAA students. He also gave motivational speeches to SEG students regularly and was one of the keynote speaker in Tech Fest@RP 2015.

With the signing of the MOU, RP and HOPE Technik will be intertwined as co-educators and co-innovators to spark new ideas, imaginative thinking and fresh insights to the engineering community.
On 29th July 2015, DAA students attended a career talk by DAA alumni aimed to share their work experiences after graduating from RP.

The speakers were Mr Adel Nashruddin B Ahmad I A, Mr Harish Kumar S/O Nagaraju, Mr Hassan B Salleh, Mr Muhammad Shafiz B Shabudin, and Mr Vishal Vaswani; they shared with the students their roles and responsibilities in their respective job domains.

Harish started by sharing his role as an Aircraft Load Control Officer at SATS Ltd, where he is responsible for planning the permissible weight combinations for fuel, cargo and passengers, as well as the weight distributions in the aircraft. He also shared the joys and challenges of his job and stressed the importance of perseverance as key to succeeding in his job.

The next speaker was Hassan who spoke on his On-Job-Training (OJT) in Thailand after being offered a full-time position immediately after completing his internship (IIP) at Aviation and Electronics Support Pte Ltd. He shared the challenges and expectations of learning and working on the avionics onboard the helicopters in Thailand.

Adel and Shafiz jointly shared their OJT journey to become Licensed Aircraft Engineer (LAE) at ST Aerospace. They spoke on how they coped with the CAAS SAR-66 theoretical examination papers and gained the required practical maintenance experiences on type-specific aircraft to become certified LAEs.

The last speaker was Vishal who spoke on his education at SIT-UoG and provided insights on his work as an Aircraft Technician with RSAF during his National Service. Joining SIT-UoG as a Technical Officer right after graduating with a BEng (Hons) in Aerospace Systems, he shared his Overseas Immersion Programme at the University of Glasgow, UK where he experienced different culture and learning setting. He offered advice on the pathways for further education after graduation from RP.

The career talk ended with a Q&A-cum-dialog session where the students had the opportunity to engage the alumni speakers and to find out more on careers in the aerospace industry and higher education opportunities.

We would like to thank the DAA alumni for taking the time out of their busy schedules to share their experiences.
Our team of DAA students, comprising Lu XinYa, Sia Xin Zhi, Hoo Bing Yuan, Huang Huai and Andy Teow Chee Siong took the Merit Award at the Security Awareness For Everyone (SAFE) Competition 2015.

The SAFE Competition is a 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 drone capable of preventing illegal activities from taking place in the waters surrounding Singapore (e.g. smuggling, illegal immigrants, etc).

The team received the award from Mr Desmond Lee, Senior Minister of State, Ministry of Home Affairs and Ministry of National Development, on 13th Nov 2015.

Please join us to congratulate the team for their outstanding achievement!
GliderFest@RP 2015

On 28th Oct 2015, 234 students from 19 secondary schools attended the GliderFest@RP 2015 – an annual competition where participating teams pit against one another to design and construct un-propelled gliders to fly the longest distance in a straight line.

2 guest presenters from DSO National Laboratories and Bhattacharya Space Enterprises spoke about the Singapore Amazing Flying Machine Competition (SAFMC) and “Space Technology for Singaporean Students” respectively.

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 use the raw materials provided – balsa wood and constructing tools – to design, construct, test and fine-tune their gliders before the competition commenced.

In celebration of SG50, a new Singapore record was set for the “Most Number of Unpropelled Gliders Airborne At The Same Time” in the Singapore Book of Records.

The Best Flight Performance prize was won by Woodlands Ring Secondary School with a flying distance of 17.82m. The Best Aesthetic prize went to Bedok South Secondary School. An SG50 Bonus event themed “50 Years of Singapore Aviation” was won by Naval Base Secondary School.

The winning teams received the prizes from Mr Seto Lok Yin, Deputy Principal (Industry Services).

DAA @ RP Open House 2016

The RP Open House 2016 was held on 9th – 11th Jan 2016. 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 a long endurance drone. Visitors who are fascinated with airplanes took the chance to pilot the simulator aircraft and experience being at the controls of the aircraft. They also touched and saw the inside of “black boxes” – Flight Data Recorder and Cockpit Voice Recorder – and learnt their functions from our students. The visitors also control and see the real-time aerial view of the Open House from the long endurance drone.

The RP Open House 2016 was also the homecoming of our DAA alumni. They took the opportunity to get together, catch up and network with fellow alumni and staff as well as visited the A320 Simulator to experience the joy of taking to the sky.
For exemplifying excellent leadership, passion and belief in all the tasks that he took on. Tan Du Wei Marcus, a year 3 DAA student, has been awarded the REPUBLIC Award.

Despite his demanding coursework and Final Year Project, he was actively involved in numerous eLEAP programs and yet, still found time to initiate mentoring programs for the weaker students and kickstart a social project to research and design an assistive-prototype for bed-ridden patients.

Marcus was passionate and committed to helping others through mentoring programs and technology entrepreneurship project. He took the lead to recruit and form his own teams, broke the larger tasks into smaller tasks and steps so that his team mates could accomplish them, and motivated his team mates to make progress.

During his presentation to the angel investors and venture capitalist on his startup idea, he displayed great belief in his idea, defending the concept when necessary, and at the same time, humbly taking in relevant ideas and comments to refine and improve his ideas.

Winning the REPUBLIC award was a surprise and joy for Marcus. Below is his thoughts on winning the REPUBLIC Award:

“If someone needs help and is willing to put in effort, on your side you are able to help them, why not? There is absolutely nothing to lose out on. Nothing feels more satisfying than seeing someone you helped excel in whatever they do”

Congratulations to Marcus for winning the REPUBLIC Award!