Outreach Activities

Year-long activities and fun-filled workshops to engage the young inquisitive minds like you....

The recently concluded outreach activity called GliderFest@RP was initiated by the 3 Aerospace Diploma programmes. This competition event saw an overwhelming response from 19 secondary schools with over 230 student participants.

Students were provided with complete raw materials (balsa wood and accessories) to construct an un-propelled glider in a team of 4 to 5 students. Winning teams were selected based on the maximum distance the glider could travel with minimum deviation.

Apart from the 3 top prizes based on the performance of the glider, additional prize on Best Aesthetic and an SG50 Bonus event themed “50 Years of Singapore Aviation” were awarded.

A new Singapore record was set for the “Most Number of Unpropelled Gliders Airborne At The Same Time” in the Singapore Book of Records.

Students and teachers were also introduced to the RP hangar named The ARCH, Virtual Aerodrome Simulator and A320 Flight Simulator. Overall the response from students and teachers were very positive. In addition, guest speakers from DSO National Laboratories and Bhattacharya Space Enterprises spoke about the Singapore Amazing Flying Machine Competition (SAFMC) and “Space Technology for Singapore Students” respectively during this outreach activity.
School of Engineering

For Enquiry: Mr Udayakumar, udayakumar_t@rp.edu.sg
Outreach Activities

The aerospace cluster in RP regularly conducts Learning Journey outreach activities for secondary schools. This is where students and teachers take the chance to explore the various aerospace facilities such as The ARCH, the Virtual Aerodrome Simulator and A320 Flight Simulator.

With this experience, participants are able to appreciate the concepts of flying, identify the necessary and vital flight controls and appreciate the importance of avionics, mechanical systems and the necessary ground operations.

For Enquiry: Dr Hamid Saeedipour, hamid_saeedipour@rp.edu.sg
Outreach Activities

**Advance Elective Module (AEM)** is offered to secondary schools to enhance their curriculum. In particular, the AEM “Building and Controlling Flying Machine” has gained popularity among the secondary schools.

The module comprises of a total of 32 hours spread over 4 days and is held at RP. Participants will learn the theory of flight, the various cockpit instrument systems, the communication and navigation systems and the electrical systems that power the aircraft. A significant amount of time is devoted to hands-on activities which include constructing a hand glider, building a remote-controlled airplane, and fiddling with the instrument systems. Facilities such as The ARCH, the Virtual Aerodrome Simulator and A320 Flight Simulator are explored as well.
School of Engineering

For Enquiry: Mr Shanbhag Narayan, shanbhag_narayan@rp.edu.sg