



Australian Company Provide NASA's Space Center Houston with a Robotic Learning Solution as part of the Space Center University Program – as the 50th Year Anniversary of NASA Space Exploration is Commemorated

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• Australian company Actura collaborate with NASA's Space Center Houston. • Australian students immerse in most innovative STEAM program at NASA. • Momentous time as humanity celebrates 50 years of the moon landing.

In a collaboration between Actura and NASA's Space Center Houston, Actura's FlipRobot Solution was implemented at Space Center University (Space U) for the first time. Australian Space School students were fortunate to be the first to engage in this program. This comes at a momentous time in history, as we celebrate the 50th anniversary of manned spaceflight in mid-July, which symbolises human exploration and success.

The collaboration between Actura and Space Center Houston represents a unique union with Actura's FlipRobot Solution module designed specifically for the Space U Program; a five-day program designed to engage students in immersive STEAM-related activities that promote teamwork, problem-solving and engineering solutions to space exploration.

Actura's bespoke design FlipRobot Solution included the chance for Australian students from the CASE Space School International Study Program to engage in robotic education learning activities. In total, thirty-seven lucky CASE Space School students from Year 10 to 12 were involved in the program. The objective of the FlipRobot rover challenge that the students engaged in was to simulate building a rover module to collect samples from a Mars landscape in the shortest amount of time. Students designed, implemented and built a rover using multiple available configuration options. They also learnt how to apply different sensor technologies to help the rover traverse through simulated martian terrain intelligently. In addition, they used blockly and script programming to code the rover to complete different tasks.

CASE Space School is the leading international study program in Australia.

Mirroring Australia and NASA's partnership, and also as a timely reminder of our involvement, this week also marks the commemoration of 50 years since Neil Armstrong, Buzz Aldrin and Michael Collins first made their historic successful landing on the moon in 1969. This symbolises a momentous occasion in history for manned space exploration and the spirit of entrepreneurialism that the landing on the moon embodies.

"We are delighted to be collaborating with Space Center Houston on robotic learning applications. We share a commitment to provide interactive, engaging and exciting STEAM programs underpinned by the foundations of the Seven Survival Skills by Dr Tony Wagner. This helps develop students' interest in the areas of STEAM, leading students to utilize STEAM skills after high school. A new and renewed interest in these subjects will prepare young people for leading occupations of the future", says Actura's David Sunton, Vice President for Marketing and Product Management.

Daniel Newmyer, Space Center Houston Vice President of Education, adds: "We look forward to collaborating with CASE on delivering hands-on robotic opportunities for CASE Space School students as part of their Space University program".

This July sees an Australian company's robotic learning solution implemented at NASA, providing Australian students with the opportunity to participate the most innovative STEAM learning program in space and robotics, as we also celebrate 50 years of manned spaceflight.

Established in Australia in 2014, Actura provides the leading STEAM learning solution comprising of in-class to out-of-class solutions. Our FlipRobot range provides the ultimate robotic STEAM learning solution for the in-class environment. For the out-of-class solution, the CASE Space School International Study program aims to deliver the best STEAM experience at the most inspiring organisation, NASA. With offices in Sydney, Melbourne, Auckland, Shanghai, Singapore and Taipei and with further international expansion on the horizon, Actura seeks to achieve its mission on a global scale.

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