

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

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SPACE CONNECT

Abstract

The Space Connect is an educational initiative inaugurated by a group of undergraduate students in the Aerospace Engineering of Universiti Sains Malaysia. The main objective of this program is to reach the underprivileged students in the rural areas, the orphanages, the disabled students and as well as the autistic students to encourage their interest in Science Technology Engineering and Mathematics (STEM) field using Space approach. As well as the well-known high facilitated schools in the country, these schools deserve the same privilege and should never leave behind. The Space Connect consist of three main sub-events namely: Space Tour, Mega Space Connect 2018 and Global Space Connect 2018. Space Tour took around 10 days in total to conquer 17 schools which sum up to 1030 students in total. This event was held for approximately 6 hours per school and consist of several educational activities such as Space Talks and Educations, Rocket Missions and the Aerospace Society start-ups. The Mega Space connect is the climax event of the Space Connect in which, the winner of Space Experiment together with the team of undergraduate students used their STEAM knowledge to build the HAB and eventually launch it to the stratosphere. This event has involved the societies around three states of Malaysia. The final event which is the Global Space Connect is an event to enable STEAM technology exchange between two countries. The paper describes the methodology used, target participants, the space connect success and what we did to achieve almost 1000 impacted students in within two years