

Perception of Aerospace Engineering Students in Saudi Arabia on Aviation Sustainability

Authors : Badr A. Al-Harbi, Fahd T. Abdullah, Mazen T. Wali, Mohammed W. Al-Obaidi, Reda M. Bakhdlg

Abstract : Over the past few years, the aviation society had demonstrated a huge concern for securing the sustainability of commercial aviation. Future aerospace engineers in Saudi Arabia are expected to play a major role in dealing with these aspects, taking into consideration the expected growth in both traffic, passenger mileage, and fleet expansions in the region. In the present work, the authors investigate the perception of engineering students in the two undergraduate aerospace engineering programs in the Kingdom. A questionnaire was distributed using google forms and targeted approximately 300 students in both programs on several WhatsApp groups. Data collection was stopped after one week when a response rate above 35% was reached. The questionnaire aimed at assessing the students' awareness of sustainable aviation and associated obstacles. The results obtained from the study indicate the necessity of introducing curricular modifications to address the subject with more targeted extracurricular activities and better use of social media, which is becoming a main source of students' awareness.

Keywords : aviation, engineering education, students' perception, sustainable aviation

Conference Title : ICSA 2021 : International Conference on Sustainable Aviation

Conference Location : Zurich, Switzerland

Conference Dates : July 29-30, 2021