

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
On Track: Undergraduate Space Education (3)

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SPACE ENGINEERING EDUCATION'S INNOVATIVE APPROACH TO UNDERGRADUATE
CAREER DEVELOPMENT SUSTAINS SPACE PROGRAMME IN NIGERIA

Abstract

Space engineering education through an innovative approach promotes proactive space activities to undergraduate career development. The aim is to responsibly sustains space programme in Nigeria. This fosters an environment where young people in poor nations can freely share ideas and expertise in space technology. This is achieved through deploying commercial off-the-shelf (COTS) parts in workshops and hands-on activities for space clubs. To design, build, assemble, and test payload subsystems intended for use in lean satellite applications and trainings. The outcome demonstrates a rise in students' enthusiasm for space science and technological courses, hence stimulating their career prospects. Encourage the Nigeria Space Agency and the University undergraduates to explore new research areas and collaborate on joint projects that results into an indigenous satellite development. The enterprise enhances research capabilities to bolster Nigeria's space programme. Consequently, raise public awareness of space technology and its significance to humanity, particularly among youth in Nigeria and around the globe.