

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
In Orbit - Postgraduate Space Education (4)

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ARCSSTE-E'S EFFORTS IN PROMOTING SPACE EDUCATION THROUGH POSTGRADUATE
DIPLOMA PROGRAMME IN AFRICA

Abstract

Capacity building in Space Science and Technology is critical for developing competencies to efficiently respond to societal challenges and, addressing sustainable development. To this end, the African Regional Centre for Space Science and Technology Education in English (ARCSSTE-E) was inaugurated in November 1998. This is to enable the English speaking African countries develop indigenous skills, knowledge and capacity, through rigorous theory, research, applications, field exercises and pilot projects by running a nine-month Postgraduate Diploma (PGD) programme in the areas of Remote Sensing and Geographic Information Systems (RS/GIS); Global Navigation Satellite Systems (GNSS), Satellite Communications; Satellite Meteorology and Global Climate; and Basic Space Science Atmospheric Physics (BSA). This is with a view to ensure inclusive and equitable quality education in the area of Space Science and Technology in the region. In this paper is described therefore, the efforts made so far in delivering on the mandate over the last two decades in the region. It also discusses future outlooks and challenges in the area of SST education necessary for the attainment of the SDGs in the region.

Keywords: Capacity building, Regional Center, Postgraduate diploma, Ile-Ife, Nigeria