



African University of Science and Technology [AUST]
Knowledge is Freedom

To Whom It May Concern

19th September, 2025

Letter of Support and Commitment

African University of Science and Technology (AUST), Abuja, Nigeria is pleased to express its commitment to participate in the NASENI Research Commercialization Grants Programme (NRCGP) to foster industrialization and economic growth through innovations. The title of the project with Dr. Vitalis Anye as Principal Investigator is ***The Smart Portable Ventilator: Integrating IoT and Mobility for Equitable Respiratory Care***

This project aims at developing a Smart Portable Ventilator that increases accessibility to reliable respiratory care in underserved and resource-limited areas. Some of the key objectives are to design a lightweight, portable device with solar-powered battery backup, integrate IoT sensors for real-time patient monitoring and telemedicine connectivity and ensure simplified maintenance for use in diverse health settings. This project will bridge the healthcare gap, improve patient outcomes through timely intervention, and provide a cost-effective solution that empowers caregivers and reduces economic burdens.

The university is fully committed in supporting the team to achieve the set objectives.

Sincerely,

Professor Azikiwe Peter Onwualu, FAS

President AUST