

**AFRICA CENTRE OF EXCELLENCE ON NEW PEDAGOGIES IN ENGINEERING
EDUCATION (ACENPEE)**

AHMADU BELLO UNIVERSITY, ZARIA NIGERIA

LIST OF APPLICANTS: ACENPEE SEED GRANT 2024

1. Ahmad Salisu Ahmad- Mechanical Engineering
Title: Design and Construction of A Coffee/Tea Mug Warmer
2. Musa Zidan Modibbo- Mechanical Engineering
Title: Development of Advanced Accident and Theft Detection System
3. Zikrah Aminu Ismail Ahuoiza – Chemical Engineering
Title: Citric Acid Enhanced Mechanical Pressing for Peanut: Oil Extraction, Optimization and Evaluation.
4. Nasir Ismail- Mechanical Engineering
Title: Development of an automatic pill dispensing and health vitals measuring system
5. Umar Ali Umar- Mechanical Engineering
Title: Development of an Automatic Fish Feeding System for Aquaculture Efficiency and Growth
6. Ibraheem Kazeem Ajadi- Chemical Engineering
Title: Design and Fabrication of High-Efficiency Open-System Tomato Dryer Using a Water Bath
7. Alim Sabur- Mechanical Engineering
Title: Design and fabrication of an electricity data logger
8. Rukayat Tijani Ibrahim- Library and Information Science
Title: Sensitization of Staff and Students on Economic and Health Benefits of proper and systematic waste Disposal Behaviour.
9. Joseph Oluwole Ayodele- NAPRI
Title: Revamping and Commercialization of the Existing University Animal Farm
10. Binta Zakari Bello- Chemical Engineering
Title: Innovative Sustainable Solutions for Postharvest Storage of Perishable Materials
11. Isah Garba- Civil Engineering
Title: Performance of Self-Compacting concrete with cement kiln dust and bacillus Pasteurii (Sporosarcina Bacteria)

12. Muhammad Mujahid- Water Resources and Environmental Engineering
Title: Development of Optimized Flow Attenuation Module for use in Bioecological Drainage System to Mitigating Flood
13. Mohammed Shafie- Department of Computer Engineering
Title: My Vote Count (MVC)- Ai Model Apps
14. Retplang Hephzibah Dafwang- Library and Information Science
Title: Development and Population of Research Database for Ahmadu Bello University, Zaria.
15. Faith James – Water Resources and Environmental Engineering
Title: Eco-Friendly Roof Solutions: Innovating Corrosion-Resistant Coatings for Sustainable Healthy Rainwater Harvesting
16. Odili, U. Cynthia- Water Resources and Environmental Engineering
Title: Production of bio-filters from the valorization of waste cassava peels for water filtration applications.
17. Owoseni Yusuf- Water Resources and Environmental Engineering
Title: Eco-Friendly Plastic Wastes Recycling Machine for The Production of Building Bricks
18. Wanjuu Assumpta- Mechanical Engineering
Title: Design, Fabrication and Testing of Cold Sintering Device
19. Kanyi I. Morris- Civil Engineering
Title: Fabrication of multifunctional erosion testing device for measuring erodibility coefficient of soil
20. Onah Keziah Ehi- Chemical Engineering
Title: Development of Freeze-Dried Polymeric Hydrogel for Wound Dressing
21. Alayande Daniel- Computer Engineering
Title: Development of On-Campus Drone Delivery System