AFRICA CENTRE OF EXCELLENCE FOR SUSTAINABLE POWER ENERGY AND DEVELOPMENT (ACE-SPED) UNIVERSITY OF NIGERIA, NSUKKA

Innovation Seed Grants Call for APPLICATIONS 2023–2024



OVERVIEW

ACE-SPED seed grants for sustainable energy and power development innovation will provide significant commercialization assistance to African innovators creating scalable solutions to address energy and power problems in the sub-region. The ACE-SPED seed grants for sustainable energy and power development innovation seek to encourage, honor, and promote entrepreneurship and innovation across sub-Saharan Africa.

OBJECTIVE

The principal aim of the ACE-SPED Innovation Seed Grants is to furnish monetary backing for research endeavours that correspond with the innovation objectives of the centre, specifically in domains like electric power system development, renewable energy, waste-to-energy conversion, energy conservation, energy management, energy resource assessment and forecasting, and sustainable energy materials.

DETAILS OF CONTACT

For more details, visit our website at

This offer is open to only University of Nigeria and ACE-SPED students

https://acespedunn.edu.ng/news/innovation-seed-grants-call-for-applications-2023%E2%80%932024

for more inquries: contact +2348028433576, +2348036295738

Eligibility Criteria Students who have created a novel product or service that may provide scalable answers to energy and power problems are encouraged to apply, with a focus on sustainable social and economic development. Regardless of their own technical expertise, applicants from all disciplines are encouraged to submit their ideas. Female applicants with less developed entrepreneurial ecosystems are especially encouraged to apply.

Funding is in two categories: ACE-SPED students (10 teams of not less than two students per team) and other UNN students (10 teams of not less than two students per team). The award grant is N1m for each team of all the categories. Innovative ideas selected for the grants will be funded for a period of six months. It is recommended that applicants should properly budget their ideas and provide justification for the funds they are requesting. NO INDIVIDUALAPPLICATION WILL BEACCEPTED.

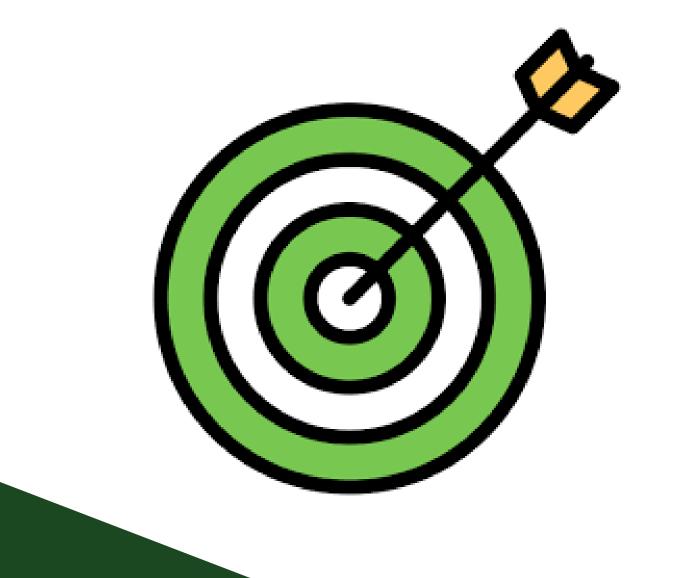


Notification of the Award By March 15th, 2024, successful candidates will receive notification of the grant award. Grant recipients will be made public via official means of communication and on the ACE-SPED website.



At the conclusion of their project, recipients of the ACE-SPED Innovation Seed Grant will be expected to submit a final report as well as a mid-term progress report.

Requirements for Reporting



Procedures for
Applications

Interested candidates should send their proposals to **researchgrant@acespedunn.edu.ng** on or before 20th February 2024. The following should be properly addressed in the proposal: the goals of the project, the methodology, the anticipated results, any prospective innovations, a schedule, a budgetary explanation outlining the intended use of the funds, and two(2) letters of recommendation (One from the Head of Department/Centre/institution, and another from any staff of the University - Senior Lecturer and above) all in PDF Format.

Visit: https://acespedunn.edu.ng/news/innovation-seed-grants-call-for-applications-2023%E2%80%932024 FOR PROPOSAL TEMPLATES

DEADLINE FOR SUBMISSION 20th FEBRUARY, 2024.



MINUTES OF THE ACE-SPED SEED GRANTS COMMITTEE HELD ON 13TH DECEMBER, 2023.

- 1. ATTENDANCE:
- i. Engr. Prof. V. S. Aigbodion (chairman)
- ii. Engr. Prof. C. N. Anyanwu
- iii. Engr Prof. E. C. Ejiogu
- iv. O. Ojike (Secreatary)
- 2. PREAMBLE: The meeting was called to order at 3:21p.m. by the chairman with an opening prayer said by Ojike. He welcomed and thanked all for attending the meeting and said that the meeting have basically two agenda which are: call for ACE-SPED Innovation Seed Grants and the amount to be allocated to each award winner.

3. AGENDA and RESOLUTIONS

i. Call for ACE-SPED Innovation Seed Grants: The house agreed that there should be a call for ACE-SPED Innovation Seed Grants. The opening date and deadline for submission of proposal slated as 2nd January to 20th February, 2024. There after the qualified applicants will be invited for oral interview and defence of their proposals. By March 15th, 2024, successful candidates will receive notification of the grant award. Grant recipients will be made public via official means of communication and on the ACE-SPED website. ACE-SPED seed grants for sustainable energy and power development innovation will provide significant commercialization assistance to driven African innovators creating scalable engineering solutions to address energy and power problems in the sub-region. The ACE-SPED seed grants for sustainable energy and power development innovation seek to encourage, honor, and promote entrepreneurship and innovation across sub-Saharan Africa.

ii. The principal aim of the ACE-SPED Innovation Seed Grant is to furnish monetary backing for research endeavours that correspond with the innovation objectives of the centre, specifically in domains like electric power system development, renewable energy, waste-to-energy conversion, energy conservation, energy resource assessment and forecasting, and sustainable energy materials.

iii. Equally, the call is only restricted students. To this end, the house agreed that there will be two categories: ACE-SPED and non-ACE-SPED students of the University of Nigeria, Nsukka. It was also agreed that there will be no individual student application only group applications. This is to encourage team work and collaborative engagement among students.

- iv. The amount to be allocated to each award winner: The award grant is N1m each award winner for all the categories. Grants that are received will be funded for a period of six months.
- v. The secretary was asked to develop the flyer for the call, and a bond letter to be signed by the award winners to show good behaviour in the management of the fund.
- 4. ADJOURNMENT: Prof Anyanwu seconded by Engr. Ojike moved the motion for the adjournment of the meeting.
- 5. The closing prayer was said by Engr. Dr Ojike and the meeting rose by 5:26p.m.

O. Ojike Secreatary Engr. Prof. V. S. Aigbodion Chairman



AFRICA CENTRE OF EXCELLENCE FOR SUSTAINABLE POWER AND ENERGY DEVELOPMENT (ACE-SPED) UNIVERSITY OF NIGERIA, NSUKKA

TEMPLATE FOR ACE-SPED SEED GRANT SCHEME

S/ N	Team lead	Dept	Title	Technical compete nce (30%)	Marketabili ty (30%)	Timeline ss (20%)	Local content (20%)	Total
1	AJAH Nnaemeka Genesis	EE	House Rental and Real Estate Applications (Easy Find a Home)					
2	Ibehika Sixtus Oluebube	ME	Fuel Cell Efficiency					
3	OKOLI CHINWEIKE CHUKWUDEBELU	EE	DESIGN AND IMPLEMENTATION OF FAULT LOCATION MANAGEMENT SYSTEM IN THE MAINTENANCE OF DISTRIBUTION NETWORK INFRASTRUCTURE					

4	NWOSUKELECHIPATRIC K	MME	AIR-NERGY - HarnessingThinAirforSustainableElectrici t			
5	Nwankwo, Stephen Chukwudubem	MTE	Design & Devt. Agric Robotic Arem for fruit picking			
6	NWAIGBO JOHN CHERECHIM	ME	Design of Portable Solar Generator			
7	Madueme Anointed Oluebube	MTE	Construction of a Prototype Solar Charger for Household Application			
8	Kaz-Wen Agrotech	Chemical Education & Electrical Engineerin g	Farm Fresh App			
9	Nwadike Ugochukwu	Biochem	THE UTILIZATION OF MUSHROOM TO ENHANCE PRODUCTION OF BIOGAS FROM ORGANIC WASTE			
10	Nwakozo Chibueze Emmanuel	ABE	THE MASS PRODUCTION AND DISTRIBUTION OF HAND-HELD WATERMELON RIPENESS DETECTORS TO NIGERIAN FARMERS			
11	Baruch OmaleBamiyo	Crop Sc	PoultryWaste-to-Energy			
12	Ugoji John Ugoji	Comp. &Robotic Edu.	Producing Charcoal Briquettes from Rice Husk and Saw Dust			
13	Madu solomon Chijioke	MMe	Devt of Biomass composit- based Electrical Insulator			

14	Ude Oluwatifunmilayo Chimdiomimi	ABE	PREDICTIVE MODELING OF THE BIOENERGY POTENTIAL OF SAWDUST USING MACHINE LEARNING (CASE STUDY: NSUKKA TIMBER SHED)			
15	Ukachukwu Jacinta Chioma	EE	GAS LEAKAGE DETECTOR SYSTEM WITH AUTO-CUTOFF REGULATOR			







MINUTES OF THE ACE-SPED SEED GRANTS COMMITTEE HELD ON 1st March, 2024.

- 1. ATTENDANCE:
- i. Engr. Prof. V. S. Aigbodion (chairman)
- ii. Engr. Prof. E. C. Ejiogu
- iii. Engr Prof. C. N. Anyanwu
- iv. O. Ojike (Secreatary)
- 2. PREAMBLE: The meeting was called to order at 9:00 a.m. by the chairman with an opening prayer said by Prof Anyanwu. He welcomed and thanked all for attending the meeting and said that the meeting is to interview and select applications for award of the grant.
- 3. AGENDA and RESOLUTIONS

i. A total of twenty-seven applications were received and all were invited for interview that was held immediately. The criteria for the examination of the applicants were: Technical competence (30%); Marketability (30%); Timeliness/duration of the project execution (20%); and Local content (20)%.

ii. At the end of the exercise, the under listed applicants (12 in number, see attached) seed grants proposals were selected and recommended to ACE-SPED Center Leader/Director for funding. are hereby notified that their funds are ready for disbursement. This fell below twenty expected. This was due to performance of the applicants.

- iii. It was agreed that the amount to be released in the first instance is 60% of the total cost of the grant. The second tranche payment of 40% will only be released when the team must have completed, evidence of which should be submitted to the IETTO, ACE-SPED.
- iv. Furthermore, ACE-SPED should be acknowledged as the sponsor of the project in any publication that emanates from it.
- v. Monthly progress reports by the team be forwarded to the IETTO, ACE-SPED for monitoring purposes. The monthly reports should be regularly submitted until the entire intervention is completed and closed out.

- vi. Upon completion of the projects, you are expected to forward to the IETTO, ACE-SPED close out/completion report. The award recipients are also required to forward three (3 Nos.) bound copies of the project Report for the project within two (2) months of completion.
- vii. Equally, the recipients should please insert in the application for release of approved fund a statement of commitment to fully comply with the above stated conditions.
- 4. ADJOURNMENT: Prof Anyanwu seconded by Engr. Ojike moved the motion for the adjournment of the meeting.
- 5. The closing prayer was said by Engr. Prof. Aigbodione and the meeting rose by 6:25p.m.

O. Ojike Secreatary Engr. Prof. V. S. Aigbodion Chairman

DISBURSEMENT OF FUNDS FOR ACE-SPED CALL for SEED GRANTS PROPOSAL

S/No	Proposal	No. of	Duration	Team Lead	Amount
	Title/Topic(s)	Team	of		Approved for
		members	Project		Project(s)
1	THE CONSTRUCTION OF FIXED AND	4	6 Months	CHIEDOZIE OVERCOMER C.	N 1,000,000.00
	MOBILE SOLAR POWER STATIONS FOR SHOP'S AND EVENT.				
2	DESIGN AND CONTRUCTION OF AN AFFORDABLE AND A PORTABLE SOLAR KIT FOR REMOTE AREAS.	3	6 Months	NKINYAM CHARITY MOKOM	N 1,000,000.00
3	Hydro-Thermal Generator Pressure Varying (HTPV-G)	4	6 Months	SODOKIN N'DEDJI RODOLPHE	N 1,000,000.00

AWARDEES OF INSTITUTION BASED RESEARCH (IBR) FUND (2022)

4	Development of a Multipurpose Robot for Automated Solar Panel and Lithium Battery Assembly Line	3	6 Months	EMMANUEL AYEGBA	₩1,000,000.00
5	MOBILE SOLAR WAGON	3	6 Months	TITUS, JOHN MAIBUGU	₩1,000,000.00
6	THE MASS PRODUCTION AND DISTRIBUTION OF HAND-HELD WATERMELON RIPENESS DETECTORS TO NIGERIAN FARMERS	3	6 Months	NWAKOZO CHIBUEZE EMMANUEL	₩1,000,000.00
7	Design of Portable Solar Generator	4	6 Months	NWAIGBO JOHN CHERECHIM	₩1,000,000.00
8	THE UTILIZATION OF MUSHROOM TO ENHANCE PRODUCTION OF BIOGAS FROM ORGANIC WASTE	5	6 Months	NWADIKE UGOCHUKWU	₩1,000,000.00
9	Producing Charcoal Briquettes from Rice Husk and Saw Dust	2	6 Months	UGOJI JOHN UGOJI	₩1,000,000.00
10	Computer-Vision Based Occupancy Detection Approach for Smart Lighting Systems	3	6 Months	Okonkwo Chinonso Theresa	№ 1,000,000.00
11	PoultryWaste-to-	2	6 Months	Baruch	₩1,000,000.00

	Energy			OmaleBamiyo	
12	Devt of Biomass composit- based Electrical Insulator	2	6 Months	Madu solomon Chijioke	₩1,000,000.00

