

Name of Center:  
ACE-SPED  
Institution:  
University of  
Nigeria, Nsukka  
Country: Nigeria  
Center Leader:  
Engr. Prof. Emenike  
C. Ejiohu  
Annual Workplan  
(January 1 -  
Decemehr 31, 2023)

On  
Schedule

Behind  
Schedule

Work Plan Activities	Description	Partner Contribution (if relevant)	2021 Y2Q1			2021 Y2Q2			2021 Y2Q3			2021 Y2Q4			Milestone/Output	If NEW, Provide Justification	Estimated Budget(\$)	Estimated DLI Revenue (\$)	Contribution from Partner (\$)	Person Responsible
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
<b>Action 1: DLI 1 Basic Operations</b>																				
Activity 1: Maintenance of ACE-SPED website	To develop a customized web-site for easy access and dissemination of Centre activities														ACE-SPED website operationalized		1,000.00	1,000.00	0	Inf. Officer
Activity 2: Production and signing of MoUs/Launch of Center	To establish strong partnership with Institutions and smooth take off of the center.														A robust and benefit-oriented MoUs with partners signed and center launched.		12,000.00	12,000.00	0	CL
																0	0	0		
																0	0	0		
<b>Action 2: DLI 2; Development Impact of ACE-SPED</b>																				
Activity 1: Securing University Senate recognition of ACE-SPED as a statutory University unit	For recognition of ACE-SPED as a statutory unit for budgetary purposes														Recognition, visibility, ownership and sustainability achieved		1,000.00	1,000.00	0	CL
Activity 2: Attendance to ACE-related meetings and events outside the University	To attend ACE related meetings outside the University.														Information exchange and reports on project development objectives accomplished.		95,000.00	75,000.00	20,000.00	CL
																0	0	0		
																0	0	0		
<b>Action 3: DLI 3; Quantity of Students</b>																				
Activity 1: Advertisement, recruitment drive for intake of students	Adverts are made for the intake of students for the M.Eng and Ph.D programs.														Adverts for intake of students are made.		4,000.00	4,000.00	0	CL/APC
Activity 2: Selection and admission of M.Eng/MSc and PhD candidates.	Candidates who applied to the various programs of the ACE-SPED are screened for admission.														Qualified students are admitted based on merit.		3,000.00	3,000.00	0	CL/APC
																0	0	0		
																0	0	0		
<b>Action 4: DLI 4: Quality of Education and Research</b>																				
<b>Sub-activity 1: Education</b>																				
Activity 1: Vocational outreach educational programs for secondary school students	To undertake vocational outreach educational program to select secondary and primaries schools														Vocational outreach educational program conducted.		5,000.00	4,000.00	1,000.00	APC
Activity 2: Outreach educational program for females and underserved communities	To conduct outreach educational programs for females and underserved communities														Outreach programs are conducted		7,000.00	5,000.00	2,000.00	APC
Activity 3: On-site workshops and short trainings at ACE-SPED partner sites	To conduct on-site workshops and trainings at partner sites.														Workshops and short training conduct at partner sites		48,000.00	30,000.00	18,000.00	APC/ILO
Activity 4: Staff exchange for sabbatical and visiting lectureship and Postdoctoral fellowships	To draw highly qualified manpower to teach and supervise students at the ACE-SPED														Highly skilled and competent manpower attracted to the ACE-SPED		125,000.00	75,000.00	50,000.00	CL/ILO
Activity 5: Training of Faculty on the use of multimedia teaching aids	To train faculty on use of multimedia teaching aids														Faculty are trained to use multimedia teaching aids		16,000.00	11,000.00	5,000.00	CL/APC
Activity 6: Faculty and students' support	To support faculty and students through conference/workshop/seminar attendance, research publications, internet access, scholarly visits and development of lecture materials, patents, internships, etc.														Support provided to staff and students.		190,000.00	150,000.00	40,000.00	CL

Activity 7: Provision of Scholarships for MEng/MSc and PhD students including research costs to regional students.	To provide fellowship, on competitive basis, to regional students to cover cost of studies and research															Regional students enrolled in the ACE are supported.		260,000.00	260,000.00	0	CL/APC
Activity 8: Organization of short courses and workshops to address specific skill needs for industry	To organize periodic short courses to address skill gaps in industry															Short courses conducted and qualified experts produced		215,000.00	185,000.00	30,000.00	CL/APC
Activity 9: Language course for non-English speaking students	To provide English language training for non-English speaking students															Non-English speaking students are taught English		7,500.00	7,500.00	0	DCL/APC
Activity 10: Development of educational materials for outreach programs.	To develop and produce educational materials for outreach programs.															Educational materials for the vocational outreach program developed		17,500.00	16,500.00	1,000.00	CL/APC
Activity 11: Regional workshops	To organize periodic regional workshops to promote inclusiveness in ACE-SPED academic and research programmes															Regional workshops organised		27,500.00	25,000.00	2,500.00	CL
																		0	0		
<b>Sub-Activity 2: Research</b>																		0	0		
Activity 1: Subscription to relevant international journals and databases.	To subscribe to relevant international journals and academic databases															Subscriptions are made to relevant international journals and academic databases		7,500.00	4,000.00	3,500.00	ARC/APC
Activity 2: Gap analysis survey to ascertain the research needs of the sector	To undertake gap analysis survey with a view to ascertaining the research needs of the sector															Existing gap in the sector is documented		36,000.00	26,000.00	10,000.00	CL/ILO
Activity 3: Fabrication of relevant state-of-the-art R & D equipment	To fabricate relevant R & D equipment															Relevant Research fabricated and operationalized		93,500.00	48,500.00	45,000.00	CL
Activity 4: Capacity building of core team of Research Leads to head the thematic areas	To strengthen the research capabilities of core Research Leads in the area of modern approaches to research to enhance productivity															Core team research leads developed for improved research delivery		55,000.00	45,000.00	10,000.00	CL/ARC
Activity 5: Training of faculty and technical staff on use of state-of-the-art equipment	To improve the staff proficiency in the use of state-of-the-art equipment															Training of faculty & technical staff for optimal utilization of state-of-the-art equipment completed		20,000.00	15,000.00	5,000.00	DCL
Activity 6: Development and review of research proposals in the thematic areas	To develop and review research proposals in the thematic areas in collaboration with the sector partners															Research proposals reviewed and gaps addressed		4,000.00	3,000.00	1,000.00	ARC
Activity 7: Training of safety and security personnel	To train safety and security personnel on the latest measures and counter treats strategies to life and property															Safety and security are assured		15,000.00	10,000.00	5,000.00	ESSO
Activity 8: Organisation of seminars/workshops and publication in journals	To document, disseminate, prototype and in extension patent research results															Research results are documented		10,500.00	7,500.00	3,000.00	DCL
Activity 9: Field trips	To expose students and staff to industry sector activities, on-site and data collection															Field tripS executed		15,000.00	10,000.00	5,000.00	ILO/ARC
Activity 10: Field trials	To ascertain the workability and performance of developed prototypes															Field trials executed		42,000.00	27,000.00	15,000.00	ILO/ARC
Activity 11: Software purchase and development	To purchase and develop relevant software required for energy and power research															Software is developed or procured		35,000.00	25,000.00	10,000.00	ARC/APC
Activity 12: Facilitate exchange and sharing of information and library resources between ACE-SPED and partners	To facilitate exchange of information and resources between ACE-SPED staff and partners															Information and library resources shared		6,500.00	3,500.00	3,000.00	ILO
Activity 13: Pursuit of International accreditation of M.Eng and Ph.D programs	To pursue International accreditation of M.Eng and Ph.D programs of the ACE-SPED															Internationally accredited Programs by HCRES		400,000.00	400,000.00	0	CL
Activity 14: Undertake industrial liaison visits	To promote effective engagement between ACE-SPED and partners															Industrial Liaison visits undertaken		34,000.00	15,000.00	19,000.00	ARC/ILO
																		0	0		
<b>Sub-Activity 3: Infrastructure</b>																		0	0		

Activity 1: Upgrading of Laboratory of Industrial Electronics, Power Devices and New Energy Systems	To furnish and equip the Industrial Electronics/New Energy Laboratory for practice orientation in energy and power research														Well-equipped and functional Industrial Electronics/New Energy Laboratory		290,000.00	250,000.00	40,000.00	CL
Activity 2: Provision of Equipment for ACE-SPED Fabrication Workshop	To furnish and equip the Fabrication Workshop														Well-equipped Fabrication Workshop		288,000.00	270,000.00	18,000.00	CL
Activity 3: Provision of Equipment for Renewable Energy Laboratory	To furnish and equip the Renewable Energy Laboratory														Well-equipped Renewable Energy Lab.		225,000.00	210,000.00	15,000.00	CL
Activity 4: Provision of Equipment for Advanced Materials Characterization Laboratory	To furnish and equip the Advanced Materials Lab														Well-equipped Energy Materials Laboratory		380,000.00	360,000.00	20,000.00	CL
Activity 5: Provision of Equipment for Electric Power Systems Laboratory	To furnish and equip Electric Power Systems Lab														Well-equipped Electric Power Systems Laboratory		610,000.00	600,000.00	10,000.00	CL
Activity 6: Procurement of Equipment for High Voltage Laboratory	To furnish and equip High Voltage Laboratory																160,000.00	150,000.00	10,000.00	CL
Activity 7: Procurement of Project Vehicles	To acquire vehicles that would enhance mobility in the Centre														2 No project vehicles procured		49,500.00	49,500.00	0	CL
Activity 8: Renovation of international scholars' hostels with appropriate furnishings, fittings and back-up power	To provide a conducive living environment for international students														International scholars' hostels renovated and furnished with back-up power supply.		52,000.00	40,000.00	12,000.00	CL
Activity 9: Preparation of Building Plan, award of contract and construction of ACE-SPED Service Core building complex	Preparation of Building Plans and Award of Contract and Commencement of Construction of ACE-SPED Service Core building complex														Land mark ACE-SPED service core building complex constructed and operationalized.		1,240,000.00	1,240,000.00	0	CL
Activity 10: Upgrading of facilities in the Seminar Room for visual learning, incl. video conferencing and webinars.	To provide visual learning facilities in the Seminar Room.														Facilities for virtual learning provided.		50,000.00	50,000.00	0	CL
Activity 11: Renovation and upgrading of 5 no. classrooms, including the provision of teaching aids and back-up power solutions.	To renovate and upgrade 5 no classrooms with modern teaching aids (multimedia facilities, white boards, overhead projectors) and back-up power solutions.														Five (5) classrooms upgraded and renovated		20,000.00	20,000.00	0	CL
																	0	0		
																	0	0		
<b>Action 5: DLI 5; Relevance of Education and Research</b>																	0	0		
Activity 1: Workshop with ACE-SPED partners on curricula	To review the developed curricula and receive inputs from stakeholders														Reviewed and acceptable curricula		21,000.00	12,500.00	8,500.00	CL
Activity 2: Securing approval of the M.Eng/MSc and Ph.D programs at the Postgraduate School and the University Senate.	To pursue the approval of the developed curricula for M.Eng/Msc and Ph.D at the Postgraduate school and the University Senate.														Approved programs		500.00	500.00	0	CL
Activity 3: Publication of ACE-SPED Journal, Bulletin and Newsletter.	Formation of the editorial board, production studio, material acquisition, production of the journal, bulletin, newsletter and promotion of the publication, feedback														ACE-SPED Journal, Bulletin and Newsletter		20,000.00	20,000.00	0	ARC
																	0	0		
																	0	0		
<b>Action 6: DLI 6; Timeliness of Fiduciary Management</b>																	0	0		
Activity 1: Development of Implementation and Annual Workplan	To produce a focused overall work plan to assist in accountability & smooth operations of project.														A detailed and focused work plan developed and produced		15,000.00	12,500.00	2,500.00	CL
Activity 2: Pre-bid Conference	To sensitize the potential bidders on WB procurement procedures & guidelines														Enhanced competitiveness of the bidding process achieved		6,500.00	5,000.00	1,500.00	CL/PMO/PO

Activity 3: Annual procurement, financial and external audit reports	To prepare annual procurement, financial and external audit reports										Annual procurement, financial & audit reports produced	20,000.00	20,000.00	0	CL
Activity 4: Organize regular planning meetings with ACE-SPED partners and major stakeholders	To organize consultative forums involving all major stakeholders in preparation for project take-off.										Meeting held and detailed project documents produced	13,500.00	12,500.00	1,000.00	DCL/ILO
Activity 5: Scheduled ACE meetings (Int'l Advisory Board, Industrial Advisory Board, Management Committee Research and Academic Co-ordination)	Scheduled ACE meetings (Int'l Advisory Board, Industrial/Sectoral Advisory Board, Management Committee Research and Academic Co-ordination)										Meetings held with documentary of proceedings.	62,000.00	50,000.00	12,000.00	CL
												0	0		
												0	0		
<b>Action 7: DLI 7; Institutional Impact</b>												0	0		
Activity 1: Upgrading of UNN internet network (Lionet) for ACE-SPED facilities	To provide unrestricted internet access for ACE-SPED facilities										LIONET Internet network is upgraded.	2,500.00	2,500.00	0	CL

