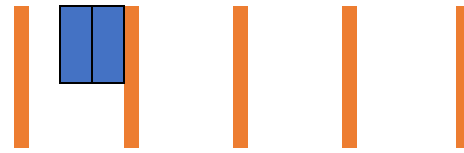


Name of Centre: CAPIC-ACE Institution: Covenant University, Ota Country: Nigeria Center Leader: Prof. Ezekiel F. Adebisi		CAPIC-ACE Covenant University, Ota Nigeria Prof. Ezekiel F. Adebisi		<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 10px; background-color: #0070C0; margin-right: 5px;"></div> On Schedule <div style="width: 15px; height: 10px; background-color: #FF8C00; margin-left: 20px; margin-right: 5px;"></div> Behind Schedule </div>																	
Annual Workplan (January - December, 2023)		January 01 - December 31, 2023																			
Work Plan Activities	Description	Partner Contribution (if relevant)	2023 Y2Q1			2023 Y2Q2			2023 Y2Q3			2023 Y2Q4			Milestone/Output	If NEW, Provide Justification	Estimated Budget(\$)	Estimated Revenue (\$)	Contribution from Partner (\$)	Person Responsible	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
Action 1: Centre Admin Readiness for Year 4																					
Sub-Action 1a: Attendance of trainings and ACE workshops																					
Activity 1: Arrange for 25 Faculty and Staff to participate in special training and AWP 2024 Retreat	To have both Faculty and Staff in the Centre to attend relevant trainings to enhance the quality of their delivery and effectiveness. These trainings can either be virtual	Not applicable														Increased number of faculty and staff trained in the centre opera	Regular training of Faculty and Staff in the Center is recurring activity for us in order to enhance their effectiveness and understanding of the Center's activities	12,050	0	0	Centre Leader and Deputy Centre Leaders, M&E Officer, Project Accountant, Project Manager
Activity 2: Arrange for Selected Faculty and Staff to attend ACE Impact workshops (virtual & onsite) and relevant workshops & conferences	Plan to have the relevant Faculty and Staff attend all ACE Impact workshops (virtual and onsite).	Not applicable														Number of centre faculty and staff trained in ACE Impact Work	Attendance of the ACE Impact Workshops is compulsory for all Centers in the project	90,000	0	0	Centre Leader and Deputy Centre Leaders, Communication Officer, M&E Officer, Head Admin, Project
Activity 3: Arrange for Faculty, Staff and Students to attend trainings on sexual harassment, environmental management and safeguard (onsite)	Plan to have all the Center's Faculty, Staff and Students to attend training sessions on sexual harassment, environmental management and	Not applicable														Everyone in the Center is updated on its sexual harassment pol	Both old and new personnel on the project must be up to date as regards the approved policies of Center especially sexual harassment	750	0	0	ESM Officer, Communication Officer, Project Manager and Head Admin
Activity 4: Issue periodic press releases and put online the Center's activities and major events	The Center plans to issue periodic press releases as text stories or photostories in at least 5 or less reputable or most preferred national	All partners are expected to provide the needed info														Increased presence of the Center's activities in the press and oth	In order to effectively communicate the Center's activities, there is need to budget for various initiatives in this regard.	1,000	5,000	0	Communication Officer, Admin Head, Project Manager, Project Accountant, Procurement Officer
Activity 5: Arrange a training on result verification for Center personnel	In order to ensure smooth compliance with AAU and World Bank report, the Center will arrange a biannual session for all the	Not applicable														Better understanding of reporting results on the project by every	To organise the two physical sessions in the year, there is need to budget for the logistics in this regard.	1,500	0	0	M&E Officer, Communication Officer, Project Manager and Head Admin
Sub-Action 1b: Procurement of essential office equipment and stationery																					
Activity 1: Provision of monthly running cost (imprest)	In order to ensure smooth running of the Centre Admin office, we plan to allocate money for imprest each	Not Applicable														Effective centre administrative operational structure	Monthly imprest is required to effectively run the Center Admin	2,900	0	0	Head Admin, Project Accountant, Project Manager & Procurement Officer
Activity 2: Purchase and distribution of essential office equipment and stationery	To purchase all the required office equipment and stationery	Not Applicable														A well furnished and equipped Secretariat.	Basic office items to be provided on a regular basis to aid the operations of the Center	970	0	0	Procurement Officer, Project Manager, Head Admin & Project Accountant
Sub-Action 1c: Periodic meetings with partners, SAB and ISAB																					
Activity 1: Arrange regular meetings (hybrid) with partners, SAB and ISAB as necessary	To hold periodic meetings with all our partners (national and regional) and the members of SAB (online and onsite).	Not applicable														Recordings and minutes of meetings of the SAB and partners.	Regular meetings with our partners is a recurrin	500	0	0	Center Director, Deputy Center Directors, M&E, Project Manager, Admin Head and Centre Website Master
Action 2: DLI 3 Quantity of Students																					
Sub-Action 2a: DLI 3.1 (PhD students), DLI 3.2 (Masters students)																					
Activity 1: Recruit students for postgraduate programs (20 PhD and 10 Masters), covering stipends, tuitions, etc	To recruit postgraduate students in the following programme: Biochemistry, Computer Science, Microbiology, Bioinformatics, Chemoinformatics & Information and Communication Engineering(ICE)	To assist in attracting qualified students especially in the region.														Increased number of postgraduate students enrolled for Masters and PhD programs of the centre.	Students recruitment is a recurring activity in the course of this project. We intend to engage both Masters and PhD students (National & Regional) using the two admission windows at Covenant University	150,000	0	0	Centre Leader and Deputy Centre Leaders, Dean School of Postgraduate Studies, M&E Officer, Project Manager & Admin Head
Sub-Action 2b: DLI 3.3 (Short Term Courses)																					
Activity 1: Organize both onsite & online short professional courses (5) on malaria genomics with National Malaria Elimination Agency (NMEA) for about 100 W/C Africa mid-career professionals, students, university staff and faculty members	To organise a CADD and NMR workshop to train industry professionals, scientists, lab technologists, students, staff and faculty with interest drug discovery and structural characterization.	This will involve all our partners in Nigeria (selected ones), Ghana, Mali, Senegal, DRC and Cameroon. They will be our main contact to their NMEA and as hosts, will constitute the LOC for the														Increased number of researcher in drug design and development in malaria endemic region	This will provide avenue for short term training for the professionals in the endemic communities. This will provide training for personnel needful in our future outlook.	0	0	25,000	Centre Leader and Deputy Centre Leaders, M&E Officer, Communication Officer, Project Accountant, Project Manager & Admin Head
Activity 2: Provide public health education/awareness on new malaria diagnostic kits, antimalarial drugs, insecticides development and development of mathematical models toward malaria elimination.	Organize social media and mass media enlightenment on infectious diseases, health walks on world malaria day, world health day etc	Selected partners to assist in hosting, logistics and execution of the activities as appropriate. This activity will involve specifically our partners from Mali and														Increase public health awareness on malaria drug and insecticide use and reduce malaria infection and development of resistance to drugs and insecticides	This will provide avenue for short term training for the professional in the endemic communities. This will provide training for personnel needful in our future outlook.	0	0	5,000	Communication Officer, Project Accountant, Malaria Research Group (MRG) Team Members, M&E Officer, Project Manager & Admin Head
Activity 3: Organize three (3) short professional courses on cancer genomics for about 60 medical students, resident doctors and researchers	To continue to train in cancer genomics to investigators from across Africa	Not Applicable														Increase in the number of cancer genomics researchers	This will provide avenue for short term training for the professional in the endemic communities. This will provide training for personnel needful in our future outlook.	24,000	50,000	0	Cancer Research Group (CRG) Team Members, M&E Officer, & Project Accountant
Activity 4: Training of partners at national and regional partner Cancer Research Group(CRG)	Resource persons, transport, feeding, accommodation, honorarium, materials	Relevant partners to assist in preparation and logistics														Improve the capacity of partners to process good quality biospecimen for genomic studies.	This will provide needed hands-on training for partner to run the research required in uniform to our aims for the project in concern	0	0	31,000	Cancer Research Group (CRG) Team Members, M&E Officer, Communication Officer, Project Accountant, & Admin Head
Activity 5: Organize short-term professional training on Edge AIoT at Regional Partner Site (CEA-MITIC Senegal) for about 20 postgraduate students and practitioners	To empower research students and professionals with state-of-the-art skills and expertise in Edge Computing(Edge AI and IoT).This training targets participants in the West and Central Africa region	Relevant partners to assist in preparation and logistics. The training will be hosted by CEA-MITIC at Senegal with full funding for participants from the DSTN ACEs to be														Increased number of Edge AIoT researchers	This will provide needed hands-on training for practitioners to run the research required in alignment with the project goals. Professionals in the industry will also acquire requisite state-of-the-art skill in Edge AI and IoT.	0	0	40,000	FEDGEN Research Group (FRG) Team Members, M&E Officer, Communication Officer, Project Accountant, Project Manager & Procurement Officer.
Activity 6: Organise short-term professional training on Cloud Federation for about 20 postgraduate students and practitioners onsite	The training is on foundation knowledge of cloud federation. It will be hybrid (online and onsite) with facilitators drawn from global IT giants. The target participants are research students, researchers and	INRIA in France through the Digital Science and Technology Network (DSTN) - ACE Partner, will provide Facilitators for the short-term training														Improve the capacity of students and practitioners on HPC and Cloud computing	This will provide needed hands-on training for postgrad students and researchers to run the research required in alignment with the project goals. Professionals in the industry will also acquire requisite skills on Cloud federation.	0	0	20,000	FEDGEN Research Group (FRG) Team Members, M&E Officer, Communication Officer, Project Accountant, Procurement Officer.
Activity 7: Organise public health education and outreach programmes on prostate and breast cancer	Programmes to create awareness about prostate cancer will be planned and implemented	Qualified partners to serve as resources persons														Increase public health awareness on prostate and breast cancer	This will help reduce the burden of prostate and breast cancer	5,000	0	0	Cancer Research Group (CRG) Team Members, M&E Officer, Communication Officer, Project Accountant, & Admin Head

Activity 8: Organise IBM professional training/certification on Cloud computing for about 20 postgraduate students and regional partners	Interns, Masters and Ph.D students in the FEDGEN group will be required to do the virtual training on Cloud Computing by IBM.	Industry partners (IBM) to provide online training materials													Improve the capacity of students and researchers on Cloud computing	This will provide needed hands-on training and industry certification for students both onsite and partner sites.	0	0	0	FEDGEN Research Group (FRG) Team Members, IBM, M&E Officer, Communication Officer, Project Accountant, Project Manager, Procurement Officer.
Activity 9: Six-month Research fellowship for 3 Ph.D students at selected partners' sites.	The research fellowship for the Ph.D students in FEDGEN group will take place after the completion of their course works and presentation of departmental and college proposals in their. Hosting	Network partners (DSTN and INRIA) to host Ph.D students. The Digital Science and Technology Network (DSTN) ACE Partner funded by France Development Agency													Improve the capacity of Ph.D students and industry practitioners on Cloud computing	This will provide needed hands-on training, research internship and industry certification for Ph.D students.	0	0	30,000	FEDGEN Research Group (FRG) Team Members, IBM, M&E Officer, Communication Officer, Project Accountant, Project Manager
Activity 10: Outreaches to the Stakeholders inHealth Sector within the W/C Africa region on the Public Health Information System (FEDGEN-PHIS) App - A Component of the FEDGEN_HealthEduApp.	The FEDGEN-PHIS App is an online knowledge base for public health information on malaria and cancer(prostate and breast). Awareness and usage outreaches for the App will be conducted to ensure	In collaboration with CEA-MITIC, Sengal - A DSTN partner. CEA-MITIC will provide personnel, local transportation, flyers and other necessary logistics for this													Improve public health knowledge on malaria, prostate and breast cancer	This will create awareness on how the public health knowledge base on the PHIS App can impact the public with respect to malaria, breast and prostate cancer.	0	0	15,000	FEDGEN Research Group (FRG) Team Members, IBM, M&E Officer, Communication Officer, Project Accountant, Project Manager
Activity 11: Outreaches to 20 researchers and students within the W/C Africa region on the FEDGEN DataHub - A Component of the FEDGEN_HealthEduApp	The FEDGEN-DataHub is an online repository where "omics" datasets from the Malaria and Cancer Groups' research subjects within Africa are archived. The outreach will create awareness among	In collaboration with CEA-MITIC, Sengal - A DSTN partner.CEA-MITIC will provide the necessary logistics such as local transportation, flyers and personnel for the													Improve access to "omics" dataset on malaria, cancer (prostate and breast) for researchers, students and Health Apps developers.	This will provide needed "omics" dataset curated from African subjects for reserach on malaria and cancer(prostate and breast).	0	0	15,000	FEDGEN Research Group (FRG) Team Members, IBM, M&E Officer, Communication Officer, Project Accountant, Project Manager
Action 3: DLI 4 (Quality of Education)																				
Sub-Action 3a: DLI 4.2a ACE International research publication with national partners & DLI 4.2b ACE International research publication with regional partners																				
Activity 1: Share Research Output and Generate Quality Publications in PubMed and SCOPS listed journals	We plan to prepare and submit some manuscripts for peer review and attend relevant conferences/professional meetings	Faculty members from partner institutions will co-supervise for students projects and co-authors in publications													Dissemination of knowledge and attend top rated conferences by Faculty members	It is an important aspect of research and the students are expected to publish in order to graduate	37,500	0	28,667	Malaria Reaserch Group (MRG), Cancer Research Group (CRG) & FEDGEN Research Group (FRG) Team Members, Procurement Officer, Project Accountant
Activity 2: Epidemiological study on malaria burden (Participants recruitment, Sample/data collection)	Conduct epidemiological studies on malaria infection rates and drugs resistance	Selected partners to assist in collection of blood samples													Assessment of public health burden of malaria infection rates and drug resistance	This is needful to gauge what exists in the field for our modelling and analysis	12,000	0	4,000	MRG Team Members, M&E, &Project Accountant
Activity 3: Initiation and maintenance of continuous parasite culture	Maintenance of continuous parasite culture for different strains of P. falciparum	Selected partners to assist in malaria parasite samples collection and blood donation													Establishment of parasite stocks for facilitating in vitro research	Not Applicable	7,000	0	3,000	MRG Team Members, M&E officer,&Project Accountant
Activity 4: DNA/RNA (cDNA synthesis), Protein extractions, samples processing and Sequencing	Genomic samples will be obtained from parasite samples for biobanking and genomics studies	Selected partners to assist in sequencing and genomic analysis													Procurement of outstanding equipment and consumables for students (drug sensitivity testing) existing Invitro lab	Not Applicable	10,000	3,000	6,000	MRG Team Members, M&E Officer, Project Manager & Project Accountant
Activity 5: Prediction and validation of genes, and essentiality studies	Setting up of computer laboratory for in-silico studies. Computer lab furniture (20 computer tables, 1 trainer station, smart board, internet facility, printer, PAS), 20 workstations with UPS, software licenses, 5 laptops	Not Applicable													Identification of resistance markers within the region	This is needful to provide drug targets needed in the follow up processing and analysis.	100,000	0	0	MRG Team Members, M&E, Procurement Officer & Project Accountant
Activity 6: Develop virtual and/or high throughput screening (HTS) and inhibitors design for drugs/insecticides discovery	We intend to carry out docking studies for the identification of potential ligands for novel anti malarial drug and insecticides discovery	Selected partners to provide support for bioinformatic analysis													Identification of lead anti-malarial compounds	This is an important step in turning our drug and insectidal targets into lead molecules for antimalarial drugs and insecticides development.	50,000	0	10,000	MRG Team Members, M&E, & Project Accountant
Activity 7: Anti-plasmodial drug validation, including synthesis, structure validation and biological assays	Purchase of in-vitro analysis software, NMR analysis software, reagents and consumables	Selected partners to provide Molecular biology research support													Development of new anti-malarial compounds	Not Applicable	8,000	0	7,000	MRG Team Members, M&E, &Project Accountant
Activity 8: Experimental prediction and validation of predicted targets e.g. inhibitor synthesis, structure validation, bioassay	Reagents and consumables, license fees for software analysis, drug design and chemoinformatics for insecticide development e.g. SIVA, Schrodinger software, AMBER software, Molsoft, etc	Selected partners to provide Molecular biology research support													New Drug discovery, validation of new drug targets	Not Applicable	100,000	0	30,000	MRG Team Members, M&E officer, &Project Accountant
Activity 9: Recruitment of two Research officers for malaria research and one for cancer research	The research officers will be recruited to help with sample collection from national partners' sites	The research assistants will work with our partners to recruit patients for malaria research and cancer research													Appointment of research assistants	The research officers will facilitate the continuous running of the in vitro laboratory and insectary for malaria research and facilitate the easy collection of biospecimen for cancer research at partner sites.	0	0	20,000	Cancer Research Group(CRG) & Malaria Research Group (MRG) Team Members, M&E Officer & Project Accountant
Activity 10: Revise and modify Information and Communication Engineering (ICE) postgrad curriculum	We intend to revise & enhance ICE postgrad curriculum to reflect IoT, Cloud Computing and Big Data Analytics	The following partners will be involved:IBM, Landmark University, ABUAD,UPLGL, IP, Senegal													The revision will help develop&strengthen research capacity of	Not Applicable	500	0	0	FEDGEN Research Group Team Members, HOD Electrical and Information Engineering (EIE), Director, Academic Planning Unit (DAPU) & M&E Officer
Activity 11: Research visit for researchers to INRIA for implementation enhancement of FEDGEN Testbed and Cloud Datacenter	Selected FEDGEN group members will embark on scientific/research visit to sites within the INRIA network that are working on distributed cloud testbeds. The	Network partners (DSTN, INRIA) will host the researchers.													Upgraded version of the existing system design documents for	Not Applicable	0	0	7,200	Center Director, Deputy Center Director II, FRG Team Members, Network partners
Activity 12: Further requirements elicitation and experimental works on Cloud Apps, FEDGEN Testbed and Cloud Datacenter	We intend to conduct further requirements elicitation and necessary experimentations to evolve novel algorithms and methods on Cloud & High	The academic partners for the FEDGEN will be involved;ABUAD, Landmark University, UPLGL at DRC, IPD, Senegal and NIMS-													Dissertations/Theses by Masters/Ph.D students in Computer Sc	Not Applicable	0	0	7,200	Center Director, Deputy Center Director II, M&E Officer, Project Accountant, Procurement Officer, Admin Head, Project Auditor &
Activity 13: Preparation of Cancer research global research protocol and NHREC/IRB approvals	A global research proposal will be submitted to CHREC/NHREC for approval	The partners will contribute in the preparation of the proposal													Approved IRB/research protocol	The approved IRB is required for cancer research	5,000	0	5,000	Cancer Research Group(CRG) Team Members, M&E Officer & Project Accountant
Activity 14: Participant recruitment and collection of participants' clinical, demographic, behavioral data and biospecimen	Prostate and breast cancer patients will be recruited from partners sites and their clinical data and biospecimens collected	Our partners will help to identify appropriate patients to be recruited and obtain biospecimens from them													Number of patients recruited	The patients will provide the biospecimens required for cancer research	20,000	0	5,000	Cancer Research Group(CRG) Team Members, M&E Officer & Project Accountant

Activity 15: Bio-banking of biospecimen from Cancer patients	The biospecimens for cancer research obtained from recruited patients will be stored under appropriate conditions	Biospecimens will be handled by our partners at their sites before transportation for further analysis														Number of biospecimen stored	Biospecimen are required to be stored at appropriate conditions to preserve their quality prior to analysis	10,000	0	15,000	Cancer Research Group(CRG) Team Members, M&E Officer & Project Accountant
Activity 16: Sample processing, PCR Identification and validation	Biospecimens collected from patients will be processed and subjected to PCR	Our partners will assist in minimal processing of biospecimen														Gene variants of prostate and breast cancer patients	PCR is a method required for genomic profiling	20,000	0	5,000	Cancer Research Group(CRG) Team Members, M&E Officer & Project Accountant
Activity 17: Investigate treatment regimen and response in prostate and breast cancer	We intend to study the current treatment regimen and response in cancer patients	Some of our qualified partners will co-supervise the research														Improved treatment and response in prostate and breast cancer patients	Improvement in treatment of cancer pateint will reduce the burden of cancer	18,000	0	7,000	Cancer Research Group(CRG) Team Members, M&E Officer & Project Accountant
Activity 18: Genomic analysis of biospecimen for early detection of cancer	This analysis will be done on biospecimen obtained from cancer	Some of our qualified partners will co-supervise the research														Generate genomic profile of prostate and breast cancers of West/Central Africans	This will identify possible biomarkers for early detectionof prostate and breast cancer	18,000	0	7,000	CRG Team Members, M&E Officer and Project Accountant
Activity 19: Sequencing of biospecimen	This involves sequencing	Not Applicable														Generate gene sequences from biospecimen	Gene sequences will validate other genomic data	11,000	0	0	CRG Team Members, M&E Officer & Project Accountant
Activity 20: Develop bioinformatics pipelines for variant calling, differential expression analysis and ancestry informative markers	This involves development of bioinformatics pipelines	Some of our qualified partners will contribute in the development of the bioinformatics pipelines														Bioinformatics pipelines adapted to African ancestry	The pipelines will be used for analysis of data	2,000	0	0	CRG Team Members, M&E Officer & Project Accountant
Sub-Action 3b: DLI 4.3a Infrastructure improvement for research and learning (procurement and civil works)																					
Activity 1: Purchase of equipment (CRG partner sites)	We plan to purchase of Centrifuges, freezers etc and install at partners	Selected partners to provide the space for the installations														Equip the partner sites for short term biospecimen storage	Not Applicable	0	50,000	24,300	CRG Team Members, M&E Officer, Procurement Officer,
Activity 2: Purchase of consumables (for cancer research)	We intend to buy DNA/RNA extraction, PCR, Bisulphite	Not Applicable														Increase cancer genomics data of Africans	Not Applicable	50,000	100,000	0	CRG Team Members, M&E Officer, Procurement Officer,
Activity 3: Purchase of equipment (for cancer research)	We plan to purchase and install additional equipment such as UV/Visible spectrophotometer, refrigerated and table top centrifuges, freezers, speedVac and others for cancer genomics lab	Not Applicable														Additional cancer genomics lab equipment for research activities and services	This milestone is relevant for genomic research, student training and services	100,000	200,000	0	CRG Team Members, M&E Officer, Procurement Officer, Project Accountant
Activity 4: Maintenance of cancer genomics laboratory and other laboratories in the center	genomics lab and procure relevant and up-to-date software for the equipment in the lab	Not Applicable														Improved cancer genomics lab and equipment with relevant software	This activity is relevant for genomic research, student training and services	22,000	0	10,000	CRG Team Members, MRG Team Members, M&E Officer, Procurement Officer, Project
Activity 5: Upgrade and Maintenance of HPC Infrastructure for FEDGEN Data Center and Maintenance of existing Datacenter and Testbeds Infrastructure.	We plan to procure additional high performance servers and networking equipment for the FEDGEN Datacenter and Testbeds. This is to	Collaborating centers that are hosting FEDGEN Testbed region to work with the group for desired upgrade and														Increase in capacity of computational Resources	Not Applicable	100,000	50,000	20,000	Deputy Director II and Director CSIS Covenant University
Activity 6: Recruitment of 2 DevOps Engineers for FEDGEN Datacenter and Testbed	We plan to recruit the two DevOps Engineers to maintain the FEDGEN infrastructures, and support researchers and students on implementations	Not Applicable														Training, Support and maintenance of FEDGEN Infrastructure	Need to maintain the newly installed HPC and to provide necessary support to students and researchers who will be using the infrastructure	0	0	1,200	Deputy Director II and Director CSIS Covenant University
Activity 7: Procurement of Multimedia Equipment Language: Translation and Digital Video Camera	We plan to procure the multimedia equipment for online streaming to the FEDGEN Youtube Channel during Short Term Professional	Not Applicable														Language translation of hosted international training and Video coverage	Not Applicable	10,000	5,000	0	Deputy Director II, Procurement Officer and Project Manager
Activity 8: Continue the expansion of the existing Insectary laboratory	We need to bring the current insectary and laboratory up to semi-final, that will allow us for example, to infect mosquitoes with the	Not applicable														The establishment of a functional insectary for assist in biodiversity studies. In addition, it will enhance our insecticide efficacy testing	Not Applicable	250,000	0	0	MRG Team Members, M&E Officer, Procurement Officer, Project Accountant
Activity 9: Continue the expansion of the existing Invitro lab	At the moment, there are other key equipment (some not available and one borrowed) that need to be bought to fully allow the	Not applicable														Acquisition of the key equipment that are not yet available will enhance drug sensitivity and parasite clearance determination and result reliability	Not Applicable	150,000	0	0	MRG Team Members, M&E Officer, Procurement Officer, Project Accountant
Activity 10: Procurement and installation of solar power back up for the Center's laboratories	We plan to purchase and install a solar power back-up for all the laboratories in the Center	Not Applicable														Constant power supply in all the labs to improve the efficiency of equipment already in use	Not Applicable	80,000	200,000	0	Center Leader, Deputy Center Leader II, Director PPD, Procurement Officer and Project Manager
Sub-Action 3c: DLI 4.1a (National and International Accreditations)																					
Develop and strengthen the research capacity of W/C African students and researchers in Chemoinformatics (a special branch in Chemistry)	We intend to obtain National accreditation for Chemoinformatics program	Not Applicable														It will help to train and recruit more students and researchers from W/C Africa	The accreditation will enhance the quality of teaching and learning of the Chemoinformatics Postgraduate programme.	500	0	0	Centre Leader, HOD Chemistry Dept, DAPU and Deputy Centre Leaders
Sub-Action 4a: DLI 5.1a External generated revenue from private sector																					
Activity 1: Grant development and writing retreat for MRG, CRG & FRG (Cloud & High Performance Computing with DSTN Partners)	We plan to have at least two grant development and writing retreat in the year for the members of CAPlC-	Selected national and regional partners will be involved by providing relevant details and														Number of research grants attracted to the Center and the amount of grant funds in the IGR	This will generate income for sustainability of the centre and harmonisation of research goals	20,000	2,500,000	6,750	MRG Team Members, CRG Team Members, FRG Team Members, M&E Officer,
Activity 2: Provide research and related laboratory services for diagnosis the different types of cancer	This activity will involve provision of paid laboratory and diagnostic services to the public	Selected partners to provide logistics for paid laboratory services														Record of paid laboratory services provided	This will generate income for sustainability	5,000	100,000	5,000	CRG Team Members, M&E Officer, Project Accountant & Admin Head
Activity 3: Provide research and related laboratory services for diagnosis and precision oncology	analysis for early detection of Cancer and provide support for student/investigator research. We	Not applicable														Provide laboratory service to support precision diagnosis of cancer.	This will generate income for sustainability of the centre and provide services to the community	5,000	500,000	0	CRG Team Members, M&E Officer, Project Accountant & Admin Head
Activity 4: Support for students & investigators research	We intend to provide the needed support for Faculty and Students who will be working on Genomic	Not applicable														Capacity building for research	Not Applicable	10,000	0	0	MRG Team Members, M&E Officer, Project Accountant, Project Manager & Admin
Activity 5: Provide research and related laboratory services for malaria diagnosis (improved sensitive and specificity)	We intend to provide diagnostics and treatment services to the public and support student/investigator	Not applicable														Provide laboratory service for diagnosis and treatment of malaria	This will generate income for sustainability of the centre and provide services to the community	5,000	50,000	0	MRG Team Members, M&E Officer, Project Accountant & Admin Head
Activity 6: Support for students/investigators research for acquisition of hardware devices for data acquisition, cloud federation using RF	We intend to procure necessary hardware devices(RF front-ends, Edge AIoT DevBoards, Sensors	Not applicable														Capacity building for research	Not Applicable	50,000	0	0	FRG Team Members, M&E Officer, Project Accountant & Admin Head
Sub-Action 4b: DLI 5.2a Number of students with at least 1-month internship or staff with placement nationally & DLI 5.2b Number of students with at least 1-month internship or staff with placement regionally																					
Activity 1: Internship placement for all the students and at least 6 Faculty staff (at partners' labs & company in Europe like DKFZ)	Professional development for faculty, staff and students	Industry partners like DKFZ, Ingaba Biotech, IBM etc will provide host laboratories and facilitators for the internship														All the Center Faculty Staff and students are expected to have a first-hand experience of the industry during the period	The 1-month internship program will enable the participants to apply their research to the relevant industry	50,000	0	0	Center Director, Deputy Center Directors, M&E Officer, Project Manager, Admin Head
Activity 2: Meeting with Industry partners on internship placement for students and faculty	This will involve scheduled meetings with relevant industries to facilitate internship	Not Applicable														Number of meetings with industries	Not Applicable	2,000	0	0	Center Director, Deputy Center Directors, M&E Officer, Project Manager, Admin Head
Sub-Action 5a: DLI 7.1 University-wide regional strategy																					
Activity 1: Management and governance of ACE project	We intend to further improve the ICT facilities in the University	Not Applicable														Increased efficiency of Center, University Management and Governance	Not Applicable	100,000	250,000	0	VC, Registrar, CSIS Director, Center Director, Deputy Center Directors, M&E Officer
Sub-Action 5a: DLI 7.6 ICT Services for Innovation in Teaching and Research																					

Activity 1: Purchase of 10 Smart screen stands We intend to purchase 10 smart screen stands for the screens to be supplied under the DLI Not Applicable



The installation of the 10 smart screens for classroom purpose is achieved Not Applicable

19,500 0 0
1,741,670 4,063,000 415,317

Registrar, Director CSIS,
Procurement Officer, Project
Manager and Admin Head