

3. TIMING OF PLANNED ACTIVITIES FOR ENTIRE PROJECT PERIOD (Gantt chart)

Table 4: Work plan for the ACE Impact project period

Code	Result/Activity/Task	Estimate US \$																			
		2019				2020				2021				2022				2023			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Action Plan 1	Establishing structures and facilities for good governance and administration																				
	Remodel and furnish existing building to set up the central ACE administration offices.																				
	1.1 Build the core ACE administrative team through competitive hiring of new staff and secondment of existing UG staff.																				
	1.2 Develop manuals for financial management, and procurement. Establish and operationalize management and leadership of WAGMC and set up Management Committee with appropriate subcommittees.																				
	1.4 Refurbish and upgrade ICT infrastructure, website design, and hosting, purchase software, and launch the WAGMC website.																				
	1.5 1.6 Constitute Sectoral Advisory Board. Set up International Scientific Advisory Board and expand the international faculty.																				
	1.7																				
Action Plan 2	Improving the infrastructure and environment for teaching, learning and research																				
	Upgrade lecture/seminar rooms and laboratories; purchase cytogenetics analyser, and vehicles.																				
	2.1 Acquire the land and complete the architectural planning for the construction of the ACE building.																				
	2.2 Set up telehealth education platform and acquire appropriate software.																				
	2.3 Develop a student handbook containing policies and procedures of admission, fellowships and scholarships, anti-sexual harassment, gender equality and student citizenship and publish the handbook on the Centre website.																				
	2.4 Engagement of international faculty for teaching courses and workshops, and co-supervision of students.																				
	2.5 Faculty Exchange programs with regional and national academic partners.																				
	2.6 Construct the ACE building																				
	2.7																				
Action Plan 3	Enhancing postgraduate training to achieve excellence with increasing quantity of students and a focus on gender and regionalization																				
	Upgrade the curriculum of an existing Master's degree in counselling psychology to meet international standards, and develop curricula for new postgraduate programmes in genetic counselling and human genetics.																				
	3.1 Obtain approval for upgraded and new degree programmes.																				
	3.2 Enroll students into MSc/MPhil training Programme.																				
	3.3 Enroll students and run PhD programme.																				
	3.4 Conduct national and regional outreach events targeting women and minorities																				
	3.5 Develop new curricula for short courses (topics include: precision medicine, prenatal diagnosis, targeted therapy, genetic counselling).																				
	3.6 Run short courses in genetic counselling for mid-career health professionals.																				
	3.7																				
Action Plan 4	Promoting innovative and translational research with increasing research publications																				
	Build a research support unit (RSU) to provide data management, regulatory and compliance support to faculty and students to accelerate research and research training outputs, with competitive hiring of a bioethicist and clinical research associates.																				
	4.1 Support short training visits for faculty and students outside WAGMC.																				
	4.2 Initiate a study to determine the birth frequency, and the molecular bases of sickle-beta thalassemia (sickle-beta zero, and sickle beta-plus) in Ghana.																				
	4.3 Initiate joint genomics research projects with regional and national partners.																				
	4.4 Recruit two full time research fellows to focus on mentoring Centre masters and PhD student research project development, grant applications and scientific writing.																				
	4.5 Begin a study to investigate the molecular basis of rare genetic disorders in Ghana																				
	4.6 Support Centre projects in laboratories that provide students high quality experience in research and mentoring.																				
	4.7																				
Action Plan 5	Affirming relevance of education and research through externally generated revenue, internships, and entrepreneurship																				
	Support faculty to work together with regional and international partners to sustain collaborative extramural funding to support genomics research.																				
	5.1 Support faculty to submit at least 3 investigator-initiated grant applications.																				
	5.2 Support PhD and Masters students to apply for small student grants from international agencies to support their research, attendance & presentations at scientific meetings.																				
	5.3 Secure internships for Centre graduates to receive practical training with sectoral partners.																				
	5.4 Set up a DNA diagnosis confirmation unit for sickle cell disease.																				
	5.5 Register a start-up research and development genetics company																				
	5.6																				
Action Plan 6	Promoting timeliness and quality of fiduciary management																				
	Publish the approved budget, annual work plan and the financial and procurement manuals of the Centre on the center's websites to demonstrate transparency of expenses.																				
	6.1																				
Action Plan 7	Enhancing the impact of the University of Ghana																				
	Develop a regional strategy for improved access to the NIH and increase research income to West Africa.																				
	7.1 Recruit a new head of the Department of Medical Laboratory Sciences through an open merit-based competition																				
	7.2 Merit-based selection of UG Vice Chancellor																				
	7.3																				