

Attachment 14 – Program Logic Model

AIMS-MCF PARTNERSHIP PROGRAM LOGIC MODEL

IMPACT	Increased number of African male and female STEM scholars leading technological innovations that can address development challenges and drive wealth creation in Africa					
INTER-MEDIATE OUTCOME 5 years	<ul style="list-style-type: none"> Improved transition of female and male AIMS scholars to progressive careers in relevant fields of science and technology in Africa 		<ul style="list-style-type: none"> Enhanced quality of secondary school math education in Cameroon 		<ul style="list-style-type: none"> Increased investment in mathematical sciences in AIMS operating countries 	
IMMEDIATE OUTCOMES 2-3 years	<ul style="list-style-type: none"> Increased number of high calibre STEM scholars graduating from AIMS centres Increased number of STEM scholars placed in skilled jobs in industry, academia and government 		<ul style="list-style-type: none"> Enhanced capacity of secondary school math teaching in Cameroon 		<ul style="list-style-type: none"> Increased understanding and appreciation of mathematical sciences by policy makers and general public 	
OUTPUTS	<ul style="list-style-type: none"> AIMS Master’s Program upgraded and implemented AIMS Co-op Program implemented 		<ul style="list-style-type: none"> Teacher Training program implemented in Cameroon Mathematics curricula and teaching resources improved AIMS Secretariat efforts to influence education policy in Cameroon specific to teacher training and qualification executed 		<ul style="list-style-type: none"> AIMS advocacy strategy implemented to improve coordination of STEM activities and win support and promotion of mathematical sciences AIMS Communication strategy to promote mathematical sciences for development implemented AIMS operational procedures are enhanced to drive, promote and support the advancement of STEM education in Africa. 	
ACTIVITIES	<ul style="list-style-type: none"> Revise and enhance key elements of the AIMS Master’s Degree Provide bursaries to promising maths and sciences students Implement Give Back program Develop and validate AIMS Co-op pilot strategy Identify key industry and government partners and establish sustainable partnerships 		<ul style="list-style-type: none"> Launch (kick off) Teacher Training pilot Establish Steering Committee Curriculum Development Implement training & continued professional development (HTCC, Pre-service & in-service teachers) Advocate policy, mobilise stakeholders & revise Mathematics policy within Education sector in Cameroon Develop Community of Practice and ICT platform for teachers Develop & implement National Awards Program 		<ul style="list-style-type: none"> Develop AIMS Advocacy strategy to influence policy related to the promotion of mathematical sciences for development Develop Communications strategy to promote the value and benefits of mathematical sciences for development Strengthen AIMS operations policies including RBM, partnership and gender equity strategies Hire relevant resources to lead on strategic areas Develop & implement Monitoring & Evaluation and Knowledge Management frameworks 	
INPUTS	Talent (Lecturers, tutors,, specialists, partners, industry partners) Information (curriculum, financial, course requirements, MOU’s) Infrastructure (ICT platforms, buildings) Financial (bursaries, industry partnerships)		Talent (teachers, lecturers, curriculum specialists, partners, government) Information (curriculum, course structure, policy inputs, award prog, CoP) Infrastructure (ICT platforms) Financial (running costs, ICT costs, Awards prog costs)		Talent (Key staff, experts) Information (Policy inputs, monitoring data, strategy documents) Infrastructure (ICT platforms, Training venues) Financial (running costs, ICT costs, consultancy costs)	
KEY STAKE HOLDERS	AIMS MCF Academics		AIMS MCF Academics		AIMS MCF Specialists &Staff	
Obj.	Project Objective 1: Advanced Training for Employment		Project Objective 2: Improved Quality of Mathematics Education		Project Objective 3: Coordination and Advancement of STEM for Development	