STEM UNIVERSITY

Our Vision:
To Bring Innovations and Practical Solutions To Human Problems.

Our Motto: Become Problems Solver

Our Mission Statement: Think Solutions

Our Core Values:
From Knowledge To Impact. Developing Paradigm Shifts
To Solve Diverse Global Challenges.

The Objectives and Mission Approach:

STEM stands for Science, Technology, Engineering & Mathematics. STEM University Founded by Bishop Julius Peter Oyet is part of Kingdom International Group of Companies (KIGOC) with 125 Companies. STEM University will help Uganda to move from Subsistent Agriculture to Commercial and to Precision Agriculture (Farming) within 5-10 years and help to increase household income in real time. STEM University will do this by giving free Agricultural Degree Training to 3-5 selected students per district in Uganda.

STEM subjects are at the heart of a very wide variety of jobs and professions. Studying these subjects in college will give you the skills you need to take part in building the world of our future. Transforming Uganda, East Africa and Africa at large through quality productive Education, during their 3-year University Training, **STEM University** will purchase at least 10 to 20 acres of land in every district of Uganda for a District Demonstration Farm where the sponsored Graduates will come to employ more people from the districts and train them Mechanized, Commercial and Precision Agriculture.

Each district farm is further divided into Counties and further into sub counties, Parish and finally to Village Farms where the households will copy the same practice to transform Uganda from subsistent agriculture to commercial and finally to Precision Agriculture and fulfilling the Dream of Uganda Government to bring the Country to Middle income status even faster than 2040.

STEM University is a new paradigm Education in Uganda and Africa at large. These are the subjects that have been proven to drive the economy of any Nation if Governments and Universities intentionally work together towards development. STEM Graduates create instant jobs not only for themselves but for many other citizens right from their completion of the courses. In most cases, it's also easier to immigrate to another country if you studied a STEM subject at degree level and are looking for work in that field.

The recent prediction is that the "Future of The World Economy Is in STEM" because Science, Technology, Engineering and Mathematics Graduate programs offer the next level of academic preparation. Professionals in these occupations use scientific research methods, computing and statistics to solve real-world problems. STEM is a curriculum based on the idea of educating students in four specific disciplines — Science, Technology, Engineering and Mathematics — in an interdisciplinary and applied approach. Rather than teach the four disciplines as separate and discrete subjects, STEM integrates them into a cohesive learning paradigm based on real-world applications.

Uganda's competitiveness in Science and Technology is under significant pressure due to the stymied supply of adequately trained workforce in STEM (Science, Technology, Engineering, and Mathematics) & Innovation. Creating high wage–high value jobs for the 21st century

requires a workforce that is nationally and globally competitive. Eighty percent of such jobs require the knowledge and skills taught in Science, Technology, Engineering, Mathematics & Innovation.
Recent studies have found that emerging technologies (including mechanical science, natural science, medical science, health care, computer science/information technology, and associated technologies) are major drivers of economic growth and workforce development. Those studies also identified critical educational needs and gaps in Science, Technology, Engineering & Mathematics (STEM) as the major culprit exacerbating those needs.

For Africa, those studies echoed all too well a vexing national issue, and that is that for Africa to be competitive, it must produce more professionals in the STEM disciplines and assure that a large majority of the secondary school graduates are engaged in STEM disciplines at an early age.

In Uganda about 80 percent of those seeking admission to the Universities want to go into the humanities especially business management and political science. The country cannot sustain this trend. It is noted in Uganda that the number of students who choose subjects in the STEM areas has been dwindling over the past decade in favour of subjects in business, the liberal arts, the humanities, and related areas (Note that both English and Mathematics are mandatory subjects for all candidates because they are entry requirements) and the statistics for women are even more dismal. This suggests that the pool that makes up the population from which STEM faculty (academic staff) ranks are filled and will continue to get smaller each year while at the same time the average age of the faculty (academic staff) continues to increase. In other words, the STEM pipeline is highly constricted, which implies that there are fewer people in the pipeline to replace those who would eventually retire from the faculty or teaching ranks in the STEM areas. This poses a significant problem of national concern and requires concrete and innovative steps to reverse the trend lines.

ASET (Alliance for Science, Engineering and technology) is under STEM University is to be a nationwide initiative that brings together critical stakeholders in a collaborative partnership aimed at reinvigorating STEM & Innovation at the primary and secondary levels. The first part of this initiative is a national dialogue that would critically examine ways to resuscitate and strengthen STEM & Innovation disciplines so that Uganda can key into the global trends and opportunities in STEM.

The next phase of ASET would be the development of the framework and the templates aimed at improving STEM education in primary and secondary schools by training future STEM teachers, supporting existing STEM educators, providing students with meaningful and engaging STEM learning opportunities, and involving current STEM professionals in the important work of educating the next generation of STEM leaders.

Proposed Courses at STEM University

SCIENCE COURSES: Biological, Chemical & Pharmaceutical Science; Integrating STEM into Practice; Science Learning in Laboratory and Inquiry Settings; Learning Sciences and Technology; Physics, Mathematics & Space Science; Functions and Modelling for Business and Social Science and Plane Geometry.

TECHNOLOGY COURSES: Biomedical Technologies & Medtech; Block Chain; Crypto Currency; Computer; Information; Software Networking; Improving Instructional Effectiveness: Clinical Experience; Earth & Environment that will Work with technologies which monitor and predict changes in our environment, the development of renewable energy sources, and the conservation of ecosystems.

ENGINEERING COURSES: Architecture, Construction & Property; Engineering & Manufacturing; Mechanical Engineering; Civil Engineering; Computer Engineering; Electrical & Electronics; Engineering Management, Engineering MBA and Project Management and Bio-Engineering. Agricultural Engineering: Under Bio-Engineering we have Agricultural Engineering which we believe can transform Uganda and move it to the middle income status sooner than anyone can believe. STEM University will offer: Associate Engineering, Bachelors in Engineering, Masters in Engineering and Doctorate in Engineering.

MATHEMATICS COURSES: Bridge to College Maths; Precalculus; Trigonometry with Applications; College Algebra for STEM Majors; Discrete Structures; Multivariable Calculus; Linear Algebra; Ordinary Differential Equations; Intermediate Algebra for Statistics and Finite Mathematics; Mathematics as Problem Solving; Probability & Statistics; Linear Algebra; Introduction to Mechanics; Actuarial Science; Neuronal Dynamics; Matlab.

A dream world Class Education is within reach in Uganda and Africa with multiple instant worldwide jobs through STEM University. We want to shape Uganda from a developed country to a stronger and developed nation and to remain truly "The Pearl of Africa."

Kingdom International Group of Companies is seeking to enter into Engagement Plan and MoU with Development Partners, Sponsors, Donors, Individuals and Universities to develop and run STEM University, Kingdom City, Kingdom Stadium or any of our projects in Uganda and around Africa. The Engagement Plan will outline diverse strategies, terms and conditions, and the rules of engagements.

For Serious Interested Parties Contact Us:

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