Future plans of units from Grad inputs

Faculty of Agriculture
Introduced MSc in Plant breeding and Seed Systems and a PhD in Plant Breeding and Biotechnology, which are regional programs addressing the issues of quality – seed and planting materials in the region.
Department of Food Science has developed several products from our local foods which are now under incubation; we are now looking for industrial partners to commercialize them.
Presidential Initiative Research Fund supported and continues to support a patent for developing a process for mechanical extension of banana juice. These activities will further be expanded by funds, (Shs. 4.5 million) from the Government of Uganda.
In June, faculty will be show casing all its products to the public through its Kabanyolo Day.

Faculty of Economics and Management
The faculty now offers the prestigious Collaborative MA Programme in Economics, sponsored by the African Economics Research Consortium (AERC). The first intake of the programme, with students from Uganda, Rwanda and Burundi is has completed the first year of study, and 15 students have been admitted for the second cohort.

A modern state-of-the-art video conferencing facility has been set up by the faculty at a cost of USD$ 224,849 sponsored by African Capacity Building Foundation (ACBF)

Faculty of Technology
Cutting edge research has been conducted in the areas of energy, ICT, engineering materials and environmental pollution. The Makapads project, which produces sanitary towels for rural school girls, using locally available materials is now well known in Uganda and beyond. The Vehicle Design Summit (VDS) electric car project helped propel Uganda into the international motor vehicle design fraternity. In June 2010, design of the car is expected to be completed and a prototype will be available in December 2010, if funds are available. The iLABS@MAK project continues to use LabVIEW; a virtual lab facility, to enable students share modern lab equipment over the Internet. The Academic Records Management System (ARMS) project also continues train students to develop custom systems to relevant to the needs of the community.

Faculty of Veterinary Medicine
A National Animal Disease Diagnostic Centre is to be set up at the Faculty of Veterinary Medicine as part of the National Diagnostic System. The Ministry of Agriculture, Animal Industry and Fisheries signed a Memorandum of understanding with Makerere University on 25th January 2010 specifically for the two parties to develop this Centre. The Initiative is funded by Japanese Government through JICA, the Japanese International Cooperation Agency to a tune of USD $4.5million over a period of three years. This partnership will also help to build academic exchange and Research between Makerere University and Nihon University of Japan. Already, 3 staff short term training visits at Nihon University have been undertaken.

Government Initiative to Establish a Joint Institute for Strategic Animal Resource Services was part of a Presidential initiative for skills development for production, employment and development of the animal industry, with special emphasis on the youths. It was initiated in 2007 as part of upgrading the veterinary faculty to offer more strategic and transformative services in the nation and region. Under this partnership,

- The president allocated Nakyesasa farm to the faculty of Veterinary Medicine.
- The Ministry of Agriculture, Animal Industry and Fisheries has allocated Ranch 16 in Kiboga to the faculty of Veterinary Medicine, to be used for research, technology production, and training as part of the overall service delivery to the nation.
- The Ministry of education has allocated funding for skills development Institute / centre for production, employment and development of the animal industry

Faculty of Computing & IT (FCIT)
Makerere University publishes a bi-annual journal 'The International Journal of Computing and ICT Research (IJCIR)'. In 2009, two issues were published Volume Issue 1 and 2 in the months of June and December respectively. In addition a Special Issue was published in October to cater for the best papers presented at the 5th Annual International Conference on Computing and ICT Research (ICCIR'09).
Business Incubation: National Software Incubation Centre (NSIC) - CIT set up a NSIC initially supported by Rockefeller Foundation to develop software solutions relevant to the needs of society.
NPT Project on 'Strengthening ICT Training and Research Capacity in the Four Public Universities in Uganda' to be implemented in a period of four (4) years and it commenced on 1st June 2007 with a maximum Nuffic grant of **Euro 5,700,000.**
OMEVAC (Open Mobile Electronic Vaccine Trials) – An interdisciplinary project to improve quality of vaccine trials in low-resource settings
Connecting the EU & sub-Saharan Africa for ICT Partnerships (**EuroAfriCa-ICT**)
AVOIR KEWL. NextGen E-Learning Project for African Universities
UNESCO-HP Brain Gain Initiative Project 'Towards *Fostering Localized Innovative ICT Solutions*'
OpenXdata – Is a generic data collection tool that uses low cost mobile devices for collecting data.
Creating Digital Content for Secondary Schools through implementation of a Pan-African E-Network Project on Tele-Education.

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East African School of Library and Information Science (EASLIS)
114 students were admitted under the new Bachelor of Records and Archives Management (BRAM), a course designed to address concerns of;

- Building Human Resources capacity for the various government and private sector records and archives management institutions
- Equipping students with knowledge and skills for managing different types of records, archives and information institutions.
- Preparing students for further professional growth in records, archives and information management.

Koha Integrated Library Management System software was installed and is now running and used for teaching purposes.

The School is developing a Model Teaching Library (MTL) which will provide practical training to reinforce the theoretical knowledge and professional skills taught in the programmes offered by EASLIS. The proposed MTL will play a dual role; while it will transform into a model teaching laboratory, it will also continue to offer some library services to its users. A proposal to UNESCO through the National Book trust of Uganda (UNATCOM) to support equipments for Model Teaching Lab was approved and EASLIS together with UNATCOM is the process of furnishing the model teaching lab.

EASLIS is organizing a Library and Information Science education career week scheduled for 5th to 9th April 2010.

Copyright Management: EASLIS, Makerere University in partnership with the Berkman Centre for Internet & Society, Harvard Law School, USA and Electronic Information for Libraries (elFL) last year organized a three days seminar on copyright management. This Seminar was a resultant of the workshop on "Copyright for Librarians" held in the Harvard Law School, USA in April 2009. The seminar discussed how to integrate copyright for librarians into the EASLIS curriculum and strategies on how to implement the course in their countries with elFL-IP librarians/library school contacts.

Projects include **JUBA UNIVERSITY LIBRARY AUTOMATION PROJECT (JULAP): TRAINING PROGRAMME COMPONENT.** The University of Juba in partnership with Bergen University Library, Oslo University College-Faculty of Journalism, Makerere University Main Library and EASLIS are working together towards the implementation of Juba Library Automation Project. The project is funded by the Norwegian Ministry of Foreign Affairs, NUCOOP, aimed at automating the Library in University of Juba which was exclusively paper based.

CAPACITY BUILDING FOR LIBRARIANS OF SOUTHERN SUDAN: EDUCATING LIBRARIANS FOR SOUTHERN SUDAN (EDLIB) PROJECT: EASLIS, Makerere University Library, Universities in Southern Sudan (University of Juba, Bahr El Ghazal University and Upper Nile University) together with University of Bergen and University College Oslo. The project funded by the Norwegian Ministry of Foreign Affairs, NUCOOP will involve development of tailor learning training programmes for Librarians in Southern Sudan

School of Education

E-learning and teacher education (ELATE): This £60,000 collaborative project between the School of Education and The Open University (UK) seeks to empower both pre-service and in-service teachers to improve their functional ICT knowledge and skill through training development and provision of Open Educational Resources. As a result electronic materials for eight core secondary school subjects (Biology, Chemistry, Mathematics, Physics, English, Geography History and Entrepreneurship) have been developed and availed online. In addition to subject content, sample schemes of work, lesson plans, lesson notes, activities as well as past papers are provided.

School is conducting a needs assessment of current and potential managers in Ugandan Universities. This is funded by the National Council for Higher Education.

The Department of Curriculum, Teaching and Media is working with the Law Development Centre in re-designing their curriculum as well as training academic staff in pedagogy.

School has also established a lecturer-student exchange programme with Gothenburg University, Sweden.

Margaret Trowell School of Industrial and Fine Arts (MTSIFA)

School developed two courses, namely, *Bachelor of Arts in Applied and Design, and Bachelor of Fine Arts* aimed at decongesting the current BIFA Programme as well as address more competently the changing demands and taste of the labour market. Masters in Fine Arts is also under review to make it richer and raise its status to address local and international challenges.

Dr. Kwesiga is looking at ways of adapting modern ceramics techniques and procedures to local pottery, while Dr, Kyeyune is exploring ways of adding value to the local foundry products such as aluminium sauce pans, ladles etc by improving them technically and aesthetically.

There is a proposed project for MTSIFA to collaborate with Swedish Universities namely; Vaxjo/Linnaeus University and the School of Management and Economics/Linnaeus School of Business in Sweden. This seeks to foster exchange of ideas and experiences in art between different cultures.

Another collaboration in the pipe line is between MTSIFA and Penn State University under the theme "Transcultural Dialogues about Contemporary Visual Culture". The objective here is to explore possibilities of collaborating on issues of Art History, based on East Africa. Dr Karren Keifer-Boyd, Penn State University will be visiting MTSIFA in March 2010 for three weeks in relation to this

Prof. Jackie Guille, University of Northumbria at New Castle, Dr Venny and Mr Bruno are building on the recently concluded project *Design and Health* which was conducted at MTSIFA. In the new project under the banner "Knowlegde Transfer in Design Education for Creative Entrepreneurship in East Africa" the following institutions are involved: University of Northumbria at New Castle, Makerere University (MTSIFA) and Kenyatta University. The project is funded by Education Partnership in Africa (EPA).

School of Graduate Studies (SGS)

During 2009/2010, the total graduate admission was 3309 with 37% being female. The proportion of females admitted was higher in Humanities and Social Sciences (41%, N= 2251) compared to 28% (N= 1058) in science based disciplines

The total number of graduands for January 2010 was 1,318 with the highest number of (39) PhD graduands ever at a single graduation.

The Carnegie corporation-SGS sub-program: Carnegie funding Phase III (2008 - 2011)

Carnegie Corporation of New York has supported research at Makerere through one of the components coordinated at SGS titled: 'Further Strengthening Research Capacity at Makerere University'. This project is implemented under the theme of 'Food, Nutrition and Value Addition' now in Phase III. This on-going project supported by Carnegie Corporation of New York is to the tune of **USD 731,500** for the period 2008 - 2011. The release for the reporting period i.e. 2008-2009 was **USD 582,160.** The benefiting

Faculties are: Faculty of Forestry and Nature Conservation, Faculty of Science, Faculty of Agriculture and Faculty of Veterinary Medicine.

The Norwegian Institutional Development Programme – NORAD is supported a research sub program coordinated by SGS on 'Food, Nutrition and Value Addition' to the tune of **USD 904,000** for a four year period 2006 - 2009.

This sub program has provided research grants to 24 research teams headed by Senior researchers through a competitive process under this theme. So far 50% (12) projects have been completed and the rest are ongoing. The benefiting Faculties again science based, namely: Faculty of Forestry and Nature Conservation, Faculty of Science, Faculty of Agriculture and Faculty of Veterinary Medicine.

The PREPARE-PHD Project – The project encompassing the three East African Universities – Makerere University (Uganda), University of Nairobi (Kenya) and Sokoine University of Agriculture (Tanzania) in collaboration with the University of Copenhagen – Denmark under the STRAPA partnership is funded by EU to the tune of **600,000 Euros** for the period 2008 – 20011.

The project specific objective is to create efficient and effective Ph.D. training systems through strengthening local research capacity and regional networking in the participating Higher Education Institutions (HEI).

Makerere-Sida/SAREC Research support program – The Sida/SAREC Research support program that began in 2000 ended the Second Phase in December 2009. During the reporting period, SGS received slightly over USD 2 million towards research. The benefiting Units include: College of Health Sciences (CHS), Faculties of Technology, Social Sciences, Agriculture, The University Library, Department of Mass Communication, Directorate for ICT Support (DICTS), Gender Mainstreaming Division and SGS.

Summary of Research funding in the year 2009/2010

SOURCE OF FUNDS	FINANCIAL YEAR	FUNDS	
		Ug Shs	***USD $**
IGF	2009	482,416,662	242,420
SIDA/Sarec	2009	4,138,883,000	2,079,841
NORAD	2008/2009	155,878,300	78,331
CARNEGIE	2009/2009	1,106,104,000	582,160
CARNEGIE**	2009/2010	39,000,000	20,000
1@Mak	2009	10,710,000	5,382
Total		**5,932,991,962**	**3,008,134**

*Exchange rate – 1 USD = Ug Shs 1900
**Targeted Initiatives Program

Institute of Adult and Continuing Education (IACE)
Projects
Strengthening Parental/Community Participation in Enhancing Quality Education in Primary Schools in Uganda – Is a Development Partnerships in Higher Education (DELPHI) project funded by the British council in collaboration with DFID. It involves the Ministry of Education and Sports and the Open University UK as the partners. This

is a three year project that started in September 2008 and is expected to end in August 2011.

Learning for Empowerment Through Training in Ethnographic Research – A DELPHI project funded by the British council in collaboration with DFID. The partners are: Kings College London, Institute of Education London, University of Kwa-zulu Natal, SA and University of Addis Ababa. This is also a three year project running from 2009 to 2012.

Teacher Education in Sub Saharan Africa (TESSA) – A project that brings together many teachers in Sub Saharan Africa and has as one of its major outputs, Open Educational Resources (OERs) that focus on the teaching of Numeracy, Literacy, Science, Social Studies and Life Skills in primary schools. This project is spearheaded by the Open University UK.

Master of Science in Development Management – A programme being offered and run at Agder University College Norway but in collaboration with six other universities including Makerere University. This programme is funded by NORAD under the NORAD Programme for Masters (NOMA).

Pan African Research Agenda on Pedagogical Uses of ICTS – A project involving a number of countries in Sub Saharan Africa, including Uganda and is funded by the IDRC. The project aims at establishing "…how the pedagogical integration of ICT can enhance the quality of teaching and learning in Africa…"

Makerere Institute of Social Research (MISR)

Institutional Capacity Building: MISR competed and won a bid from the IDRC to transform the institute into one of the Think Tanks on the African continent. The Think Tank Initiative aims at enabling policy research institutions in the developing world to provide objective and high-quality research outputs that inform and influence national policies.

In order for MISR to achieve its overall goal [i.e. to be a leading centre for social research, training and policy analysis in the region], the following strategic objectives will be pursued: Excelling in multidisciplinary research; Strengthening the organizational and management structures of MISR; Scaling up training programs in Research Methodologies and techniques; Broadening MISR's outreach activities; Maintaining an adequate research infrastructure; Buttressing our linkages and research networks; Enhancing MISR's information systems and publications; Strengthening MISR's resource base; and Instituting a mechanism for monitoring and evaluation.

Makerere University, Institute of Environment & Natural Resources (MUIENR)
Research Projects
EU Contrast support for Capacity Building in Control and Schistosomiasis Transmission
ARCOS towards a Data Base for the Albertine Rift
DANIDA/ENRECA sponsoring 4 PhDs in Wild life – Livestock diseases interaction
MACARTHUR Foundation is sponsoring 8 MSc Student and 1PhD in Capacity Building and Conservation Training in Uganda
BIO-EARN through sponsoring 1PhD and 1MSc student in Development of technologies to treat abattoir Waste water
Rockefeller Foundation is sponsoring 1PhD in GIS Capacity Building

UNESCO-IHE is sponsoring 3PhDs and 1MSc in research on the Sanitation Crisis in Mega cities of Africa
UNESCO-IHE is also sponsoring 1 MSc in research on Ground Water Dependent Ecosystems
FURC is supporting Plants/ Biodiversity Research
Trinity College, Dublin is sponsoring 1PhD in Wetlands and Carbon sequestration
Agro-Biodiversity is sponsoring 2PhDs in Agriculture and Biodiversity
RUFORUM is sponsoring 8 MSc students' research in Integrated Watershed Management
Research findings have resulted into six peer reviewed scientific publications.

Makerere University Library (MULIB)
Commenced the **procurement process of the equipment** for the planned information commons in the Main Library extension building.
Procured and installed one sun fire server in the main library. The server powers the OPAC terminals and provides users with multiple access to the Online Public Access Catalog (OPAC).
Carnegie Corporation of New York approved a $1.5 million grant for the Library Collection Development. (Prescribed textbooks, e-journals and relevant furniture) Part of this money has already been released to the Library.
Launched the newly established Music Archive in the Library extension building. The Archive's main objective is to preserve and promote access to sound and moving image heritage of Uganda.
Plan to **further strengthen security for the library books** through use of the recently purchased and installed 2 electronic book check machines in the Main Library.
The Library and UNICEF (Uganda) formed a new partnership under which 5,155 (Five thousand one hundred and fifty five) publications and 266 (Two hundred and sixty six) audiovisual materials on the rights of children and women (The entire UNICEF Uganda Country Office Resource Center Collection) was integrated into the University Library System

RUFORUM
Makerere University on behalf of 25 Universities in Africa, will in November this year host an Africa wide Ministerial Conference on Higher Education in Africa, aimed at mobilizing international and African government policy support especially to Agricultural tertiary education. Prior to this, in September 2010, Makerere University will host an International Conference on building scientific and technology capacity to support agriculture and rural development.