



MAKERERE UNIVERSITY

PROPOSAL FOR

OPERATIONALISATION OF MAKERERE UNIVERSITY COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES (CAES)

NOVEMBER 2010

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EXECUTIVE SUMMARY

The Makerere University Strategic Plan 2008-2018 requires that the University moves towards becoming a research-led institution. This calls for major reforms in the University's governance, financial and administrative structures, with the purpose of making them leaner and more efficient.

Makerere University Council has approved the College statute to guide units in the formation of colleges. At its meeting held on 4th November 2010, the Makerere University senate approved the formation of the College of Agricultural and Environmental Sciences (CAES). The College comprises of the current Faculties of Agriculture and Forestry and Nature Conservation, Makerere University Institute of Environment and Natural Resources and Department of Geography.

This proposal seeks to fulfill the requirements of the Strategic Plan of reforming the administrative structures of the merged units, improving the quality of teaching, learning and research, and harmonizing programmes with synergies, as well as elimination of duplication.

The College will comprise of three schools, i.e. School of Agricultural Sciences, School of Food Technology, Nutrition and Bioengineering and **School of Forestry, Environmental and Geographical Sciences**.

The College will be managed by an administrative team led by a College Principal. Each of the Schools shall initially comprise of departments which will administer and deliver academic programmes at undergraduate and graduate level. Two institutes will handle research aspects of the college, and nine centres will serve as a base for knowledge transfer partnerships.

1.0 Introduction

In 2004, Makerere University Council approved formation of colleges in the university, with the aim of improving operational efficiency, reduce duplications and rationalize use of resources. This would enable the University improve services and core functions of teaching and learning, research and innovation, and knowledge transfer partnerships and networking. Following the resolution above, the University underwent structural reformation and in 2008, the University Council advised Faculties and Schools to voluntarily form colleges and the College of Health Sciences started its operations. At the Senate meeting held on 4th November 2010, it was recommended that a College of Agricultural and Environmental Sciences be formed from the following units:

- The Faculty of Agriculture
- The Faculty of Forestry and Nature Conservation
- The Makerere University Institute of Environment and Natural Resources (MUIENR)
- The Department of Geography

Consequent to the Council approval, the Vice Chancellor appointed Prof. Samuel Kyamanywa, Dean Faculty of Agriculture to constitute a Committee to work out the structure of the proposed College. The terms of reference for the committee were:

- 1) To come up with the draft proposal of the College of Agriculture and Environmental Sciences
- 2) To get feedback from the staff of the above units on the draft proposal of the College of Agricultural and Environmental Sciences
- 3) To produce to the satisfaction of the College Formation Committee the proposal of the College of Agriculture and Environmental Sciences

A committee of 18 members drawn from the 4 units (see Appendix 1) was constituted to come with a proposal and structure of the college of Agriculture and Environmental Sciences. This proposal/report is an output of the committee, in line with the terms of reference. The proposal/report outlines the approach used as well as the principles that guided the committee to reach the recommendations provided.

Procedures followed to come up with College Structure

Three committee meetings were held to discuss the formation of the College. The first meeting was introductory and members were informed of the task (Appendix 7). A work plan was also drawn. At the second meeting, a detailed analysis of the current programmes, infrastructure and Staff was carried out. Furthermore, Departments and Schools within the proposed College were mapped out. (Appendix 8...). The final meeting was held after sharing the committee proposals with members of staff and gathering suggestions. Minutes of the meeting are appended. During the meetings reference was made to documents from the units and from the Senate and

Council documents. The members of the Committee belonging to the University Council and Senate provided guidance on University guidelines for College formation. The meeting drew widely from structures of other Universities in different parts of the world with Colleges covering disciplines related to agriculture, forestry, environment, food and geographical sciences.

1.2 Analysis of current status

The four units merging to form the College of Agricultural and Environmental Sciences are made up of 13 different Departments and one Institute with three units.

1.2.1 Faculty of Agriculture

The current programmes within this faculty are:

1. Agricultural Economics and Agribusiness
2. Agricultural Engineering
3. Agricultural Extension and Education
4. Animal Science
5. Crop science
6. Soil Science
7. Food Science and Technology

1.2.2 Faculty of Forestry and Nature Conservation

The current departments within this faculty are:

1. Community Forestry and Extension
2. Forestry Biology and Ecosystems Management
3. Forest Management
4. Forest Products Engineering

1.2.3 Makerere University Institute of Environment and Natural Resources (MUIENR)

The Institute has the following Units:

1. Biodiversity Conservation Unit
2. Rural and Urban Environmental Management Unit
3. Environmental Information Management Unit

1.2.4 Department of Geography

During the time when Makerere University was in the process of restructuring its programmes, the Department of Geography was in advanced stages of forming an Institute of Geographical Sciences (MIGS). MIGS was supposed to have the following units:

1. Human and Regional Geography
2. Earth Resources and Atmospheric Sciences

3. Hospitality and Tourism
4. Urban and Regional Planning

The Makerere University Adhoc Committee on Academic Programmes Restructuring at recommended the Department of Geography and MUIENR be merged into one administrative unit at the level of faculty and the recommendation was approved by the University Council.

After a series of meetings, the Department of Geography and MUIENR formed a School of **Environmental and Geographical Sciences** consisting of the following Departments:

1. Geography and Geo-Informatics
2. Rural and Urban Management
3. Biodiversity Conservation and Tourism Management
4. Earth and Climatic Sciences

1.2.5 Research Institutes and Centres within the current Faculties / Department / Institute

There are also two Research Institutes and five Centres:

Research Institutes:

1. Makerere University Agricultural Research Institute- Kabanyolo (MUARIK)
2. Makerere University Biological Field Station (MUBFS)- located in Kibale National Park

Centres:

1. Centre for Waste Management – *Faculty of Agriculture*
2. Mountain Resources Centre - *Department of Geography,*
3. Food Technology and Business Incubation Centre – *Department of Food Science & Technology*
4. CAEC – *Faculty of Agriculture*
5. Agricultural Policy Analysis Centre – *Faculty of Agriculture*
6. The National Bio-Diversity Bank at MUIENR

1.3 Current Programs offered in the units under the proposed College

The units offer a total of 46 programs. These are listed below under the units in which they are offered.

1.3.1 Faculty of Agriculture

1. Bachelor of Agribusiness Management
2. BSc Agricultural Land Use and Management

3. BSc Horticulture
4. BSc Food Science and Technology
5. Bachelor of Agriculture and Rural Innovations
6. BSc Agriculture with options: Crop, Animal, Soil, and Agricultural Economics
7. BSc Agricultural Engineering
8. Bachelor of Agricultural Extension Education
9. BSc Human Nutrition
10. Servicing Rural Economy in Faculty of Social Sciences
11. Master of Agribusiness Management
12. MSc Agricultural and Applied Economics
13. MSc Agricultural Economics
14. Master of Agribusiness
15. MSc Agricultural Engineering
16. MSc Agricultural Extension and Education
17. MSc Animal Science
18. MSc Food Science Technology
19. M.Sc. Applied Human Nutrition
20. MSc Soil Science
21. MSc Crop Science
22. MSc Plant Breeding
23. PhD Plant Breeding and Biotechnology
24. PhD in Agriculture
25. PhD in Food Science and Technology
26. PhD in Human Nutrition

1.3.2 Faculty of Forestry and Nature Conservation

1. Bachelor of Social and Entrepreneurial Forestry with options: Community Forestry, Commercial Forestry and Forestry and Environmental Governance
2. BSc in Conservation Forestry and Products Technology with options: Tropical Forestry and Forest Products Engineering
3. MSc Forestry
4. MSc Agroforestry
5. PhD Forestry

1.3.3 Department of Geography

1. Bachelor of Tourism
2. Bachelor of Urban and Regional Planning
3. Bachelor of Arts in Environment Management
4. BSc Meteorology
5. MSc Geography
6. Postgraduate Diploma in Integrated Rural Planning
7. Postgraduate Diploma in Meteorology
8. MSc Land Use and Regional Development (LURD)
9. PhD in Geography
10. Servicing the Faculties of Arts, Social Sciences, Science and School of Education.

1.3.4 MUIENR

1. Bachelor of Environment Science
2. MSc Environment and Natural Resources
3. Post Graduate Diploma in EIA
4. Post Graduate Diploma in Environmental Information Management
5. PhD in Environment and Natural Resources

1.4 Process undertaken to assign Schools and Departments in the College

It was noted that some programmes cut across Units and this formed the basis for merging departments within the existing faculties. All the degree programmes were assigned a unit where they will be anchored (Table 1). The Committee finally agreed on 8 Departments/Units down from the (original 12 and One Institute) and the corresponding number of running programmes (Table 1)

A relationship analysis of the proposed departments/units was also undertaken and the committee came up with three clusters from the 8 departments/units based discipline relatedness as follows:

- Cluster 1 comprising of three Departments of Forestry Science & Biodiversity Management (3) Rural and Urban Environment Management (7) and Geography, Geo-Informatics and Climate Sciences (8)
- Cluster 2 comprising Departments of Environmental Community Education and Extension (2), Agribusiness and Natural Resource Economics (4) and Plant and Animal Sciences (6)
- Cluster 3 comprising Department of Forestry and Agricultural Engineering (1) and Food Technology and Human Nutrition (5).

An evaluation of the 3 groups was then undertaken to gauge the potential for sustainability as stand-alone units within the college. This analysis considered the degree programs, student enrolment, strategic importance and available physical resources (lecture space, laboratories, office space, library and ICT facilities) (Table 2).

From this analysis, it was clear that three major clusters emerged which constitute the proposed three schools in the College of Agricultural and Environmental Sciences and this guided the committee to take a decision of having the following schools, Departments, Research Institutes and Centres (Figure 1):

1. The School of Agricultural Sciences
2. The School of Forestry, Environmental and Geographical Sciences
3. The School of School of Food Technology, Nutrition and Bio-engineering.

Table 1: Schools and Departments proposed to constitute the College based on the respective degree programmes offered

	Proposed School / Departments	Current Units merged	Degree Programmes Offered	
	School of Agricultural Sciences			
1	Agricultural Production (AP)	Crop Science, Soil Science, Animal Science	B. Sc. Horticulture, B. Sc. Agriculture, MSc Crop Science, MSc Animal Science, MSc & PhD Plant Breeding, MSc Soil Science, PGD in Animal Production	9
2	Agribusiness and Natural Resource Economics (Ag&NRE)	Agric. Econ. & Agribusiness, Commercial Forestry, and Environmental Economics	Bachelor of Agribusiness Management, MSc Agribusiness, B. Sc. Agric. (Econ.) MSc. Agricultural Economics, MSc Agric and Applied Economics	5
3	Extension & Innovations (EI)	Agric. Ext / Education, Community Forestry & Extension, Environ. Inform. Management.	Bachelor of Agriculture and Rural Innovations, Bachelor of Agricultural Extension Education, Bachelor of Social and Entrepreneurial Forestry, MSc Agroforestry, MSc Agricultural Extension/Education.	4

	School of Forestry, Environmental and Geographical Sciences			
4	Forestry, Bio-Diversity and Tourism (F, B & T)	For. Biology & Ecosystem mgt, For. Mgt, Part of For. Pds Engineering, Biodiversity Conservation & Tourism mgt.	Bachelor of Tourism, BSc Conservation Forestry: Option of Tropical Forestry, MSc Forestry, PhD Forestry	4
5	Environmental Management (EM)	Part of Soil Science, Rural & Urban Management, Urban and regional planning	MSc LURD, PG Integrated Rural Planning, BSc Land Use & Management, Bachelor of Environment Science, MSc Environment and Natural Resources, Post Graduate Diploma in EIAs, PhD in Environment & Natural	6

			Resources	
6	Geography, Geo Informatics and Climatic Sciences (GGCS)	Human and regional geography, Earth resources and Atmospheric Sciences, Geo -informatics	BSc Meteorology, MSc Geography, Post Grad Diploma in Meteorology, Post Graduate Diploma in Environmental Information Management, Ph D Geography	5

	School of Food Technology, Nutrition and Bioengineering			
7	Agricultural & Biosystems Engineering (ABE)	Agricultural Engineering Part of Forest prdts Engineering,	BSc Agricultural Engineering, : Forest Engineering Option, MSc Agricultural Engineering	2
8	Food Technology and Human Nutrition (FT&HN)	Food Science & Tech., Human Nutrition	BSc FST, BSc Human Nutrition, MSc and PhD in FST & Human Nutrition,	6

Table 2: A situation Analysis of the units based on the set criteria by members

	Cluster 1	Cluster 2	Cluster 3
Criteria	3,7,8	2,4,6	1,5
1. Degree Programmes anchored	15	16	7
2. Student Enrollment	1482+(385 Service Students from BA and Bsc	1028+(40 Service Students from Rural Economy)	450 + (160 Service Students from Agriculture)
3. Staffing	50	113	33
4. Strategic Importance	All	All	All
5.Facilities:			
▪ Lecture Space	1	2	3
▪ Laboratory Space	1	2	3
▪ ICT	2	3	3
▪ Office Space	1	2	3
▪ Library	1	2	2

Note:

- All- implies that all units host programmes of strategic importance to the nation
- Facilities were ranked as: 1- Inadequate, 2-Average, 3-Adequate

2.0 Academic Structure of Proposed CAES

The CAES College shall be composed of three Schools with eight departments offering both undergraduate and graduate programmes in the fields of Agriculture, Forestry, Environment and Geography. Details of programmes proposed in each School are given below and in the Organisational structure (Fig. 1).

Table 3: Academic Programmes in the proposed Schools and Departments of CAES

1. School of Agricultural Sciences

Departments	Undergraduate Programmes	Graduate Programmes
Agricultural Production	B. Sc. Horticulture, B. Sc. Agriculture with 5 options (Crop, Animal, Soil, Econ. and Agric. Ext. Educ.) BSc Agric. Land Use & Management,	MSc Crop Science, MSc Animal Science, MSc. Soil Science, MSc Plant Breeding & Seed Systems PhD Plant Breeding & Biotechnology, PhD MSc Land Use & Rural Development, PGD in Animal Production.
Agribusiness and Natural Resource Economics	Bachelor of Agribusiness Management	MSc Agribusiness, MSc. Agricultural Economics, MSc Agric and Applied Economics.
Extension / Education	Bachelor of Agriculture and Rural Innovations (BARI), Bachelor of Social and Entrepreneurial Forestry,	MSc Agricultural Extension/Education, MSc Agroforestry

2. School of Forestry, Environmental and Geographical Sciences

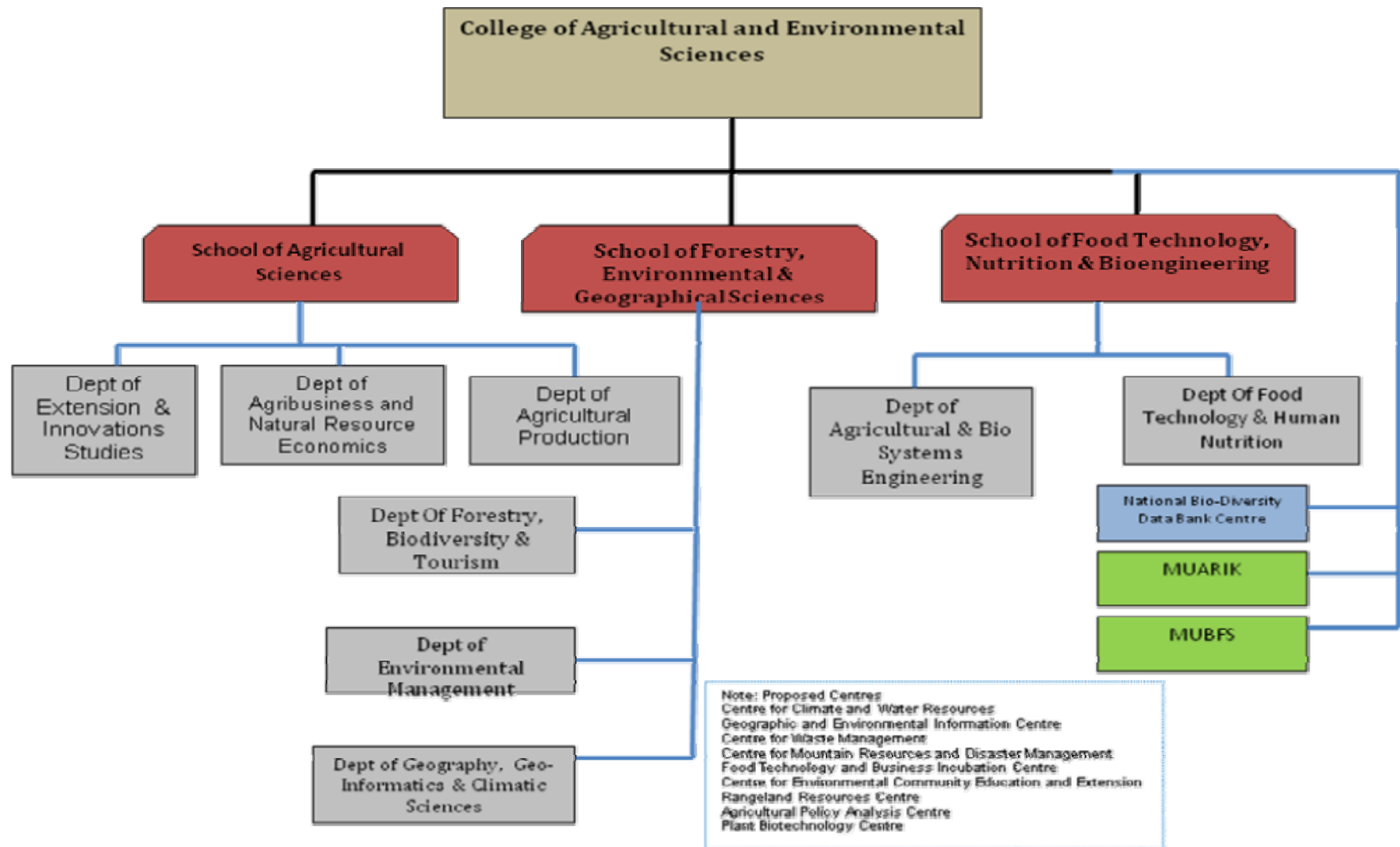
Departments	Undergraduate Programmes	Graduate Programmes
Forestry, Bio-Diversity & Tourism	Bachelor of Tourism, BSc Conservation Forestry and Products Technology (2 options; Tropical Forestry and Forest Products Engineering) Bachelor of Social and Entrepreneurial Forestry (3 options: Community Forestry, Commercial	MSc Forestry, PhD Forestry.

	Forestry and Forestry and Environmental Governance)	
Environmental Management	Bachelor of Environment Science	MSc Environment and Natural Resources, Post Graduate Diploma in EIAs, PG Integrated Rural Planning, PhD in Environment & Natural Resources.
Geography and Climate Sciences	BSc Meteorology	MSc Geography, Post Grad Diploma in Meteorology, Post Graduate Diploma in Environmental Information mgt, PhD Geography.

3. School of Food Technology, Nutrition and Bioengineering

Departments (Re-structured)	Undergraduate Programmes	Graduate Programmes
Agricultural & Biosystems Engineering	BSc Agricultural Engineering, BSc. Conservation Forestry (Forest Engineering Option).	MSc Agricultural Engineering
Food Technology and Human Nutrition	BSc FST, BSc Human Nutrition	MSc Food Science & Tech. MSc Human nutrition & PhD in FST & Human Nutrition,

The Organizational Structure of the College of Agricultural and Environmental Sciences



2.1 Justification for schools / Departments in the College of Agriculture and Environmental Sciences

2.1.1 Diversity of Programmes being offered

The units that are forming the CAES offer a number of programmes and covering a number disciplines; Agriculture, Food Science, Forestry, Environment, Natural Resources, Geography and emerging themes like Climate Change and Biodiversity Management. Programmes outlined in section were approved by Council and are now operational. Other programmes are being revised and new ones are being developed and will be submitted to senate for approval. Plans are under way to start other graduate programs in the fields of Disaster Risk Reduction and Management, Tourism Management, Urban Planning and Management and Integrated Water Resources Management.

2.1.2. Teaching and Research

The College will consolidate the teaching and research that has been on-going in the different units. The vision of the proposed College is: "To be a leading college in Agriculture and Environmental Sciences". It is encouraging to note that most of the researches in the units have resulted in many publications in refereed international journals. It is important to note that our graduate students complete their studies in stipulated time. However, to sustain its teaching and research mandate, the proposed college will need to have sufficient staff establishment in all units.

2.1.3 Staffing in the units

The units proposed in the collage of Agriculture and Environmental Sciences have multi-disciplinary staff and currently stands at about 190 academic staff (Table 4). The details of specialties are summarized in Appendices 4-6.

Table 4: Current staffing in the units/Departments forming the college of Agriculture and Environmental Sciences

Unit	Professor	Associate Professor	Senior Lecturer	Lecturer	Assistant Lecturer	Teaching Assistant
Faculty of Forestry & Nature Conservation	03	04	04	11	13	04
Faculty of Agriculture	07	06	23	28	25	28
MUIENR	02	01	03	01	04	
Department of Geography	01	02	01	03	16	

2.1.4 Physical Facilities and Equipment

The College of Agriculture and Environmental Sciences has reasonable teaching, research and outreach facilities that will need improvement and enhancement (Table 1).

2.1.5 Student Numbers

The units merging to form the college of Agriculture and Environmental Sciences are given in Table 5. These numbers are expected to increase with restructuring of the programmes.

Table 5: Current Student Enrolment in the Units forming the College of Agricultural and Environmental Sciences

Unit	Bachelors	Masters	PhD	Diplomas	Total
Faculty of Forestry & Nature Conservation	212	64	06	0	282
Faculty of Agriculture	1,200	449	55	0	1,704
MUIENR	200	180	18	0	398
Department of Geography	963	10	4	0	977
Service to other Units	3,822	0	0	0	3,822
TOTAL	6,397	703	83	0	7,183

2.1.6 Other reasons for having three schools:

The schools will be offering programmes that:

1. Contribute to solving National and Global environmental problems like Climate Change, Biodiversity Conservation, and water Resources.
2. Contribute to attainment of Millennium Development Goals (MDGs) and the National Development Plan.
3. Will integrate related disciplines of Agriculture, Environment, Geography and Forestry hence reducing duplication of courses while maximizing the use human resources.
4. Promote Value addition and agro- processing that are strategic national areas. The school of Food Technology, Nutrition and Bio-engineering will enable Makerere University take a lead in this area. In this way, the University will contribute to

modernization of Agriculture which is an important national development objective. The current department Food Science and Technology has started providing technology incubation services. The department also provides support services to the food industry and this contributed to major changes in food industry such as the introduction of fortification of flour and oil. The school of Food Technology, Nutrition and Bio-engineering will provide a structure for increased delivery of these services. The department of FST has also been offering short skills development in agro-processing attracting over 100 participants per session and usually two sessions per year. so there is room that the proposed school Food Technology, Nutrition and Bio-engineering of will coordinate these Programmes The activities proposed under this school has approved government funding of about UGX 25 Billion over the next five years. The area of human nutrition is rapidly growing in importance and this field will be housed in the School of Food Technology.

3.2 Proposed Centres and the host Units

In addition 9 Centres are proposed to address strategic areas:

1. Centre for Climate and Water Resources - *Department of Geography, Geo-Informatics and Climate Sciences*
2. Geographic and Biodiversity Information Centre – *Department of Forestry Sciences, Biodiversity Conservation and Tourism Management*
3. Centre for Waste Management - *Department of Plant and Animal Science*
4. Centre for Mountain Resources and Disaster Management - *Department of Geography, Geo-Informatics and Climate Sciences*
5. Food Technology and Business Incubation Centre - *School of Food Technology and Human Nutrition*
6. CAEC - *Department of Environmental Community Education and Extension*
7. Rangeland Resources Centre - *Department of Plant and Animal Science*
8. Agricultural Policy Analysis Centre - *Department of Agribusiness and Natural Resource Economics*
9. Plant Biotechnology and
10. The National Biodiversity Data Bank Centre which exists

3.3 College Administration

The administration of the CAES is outlined below:

1. Principal and Deputy Principal; the CEAS will be headed by the Principal and assisted by the Deputy Principal.
2. Deans: The Schools will be headed by Academic Deans who shall be appointed by the Appointments Board on the recommendation of the College Establishment and Appointments Committee from among the Academic Staff at the rank of at least Senior Lecturer. There will be no Deputy Deans.

3. Departmental Chairs: The Departments will be headed by Chairs who will be assigned academic duties by the Dean. They do not have any administrative role.
4. Field Stations and Research Centers: These will be headed by Coordinators supported by the respective centres and will have no additional cost implications from the college.
5. College Board: All important Academic matters of the College (details of undergraduate courses, syllabi, examinations, postgraduate studies, etc) are discussed and decided upon by the College Board, which is composed of members appointed from amongst the Academic Staff of the College, Students and representatives of other Faculties. The College Board is responsible to the Senate of the University. All College Board decisions of general University interest have to be approved by Senate.
6. The College shall have an Administrative Board which shall consist of: The Principal; Deputy Principal; College Bursar; College Registrar; Dean of Students; Human Resource Manager; A student Representative; A representative of Senior Administrative Staff; Two representatives of Academic Staff The College Administrative Board shall establish committees responsible for: Finance; Planning, Estates and Security; Students Welfare and any other matters as may be determined from time to time.
7. The College shall have a Contracts Committee which shall be a Subcommittee of the University's Contracts Committee. The College Contracts Committee shall be guided by University Guidelines on Procurement and Disposal as well as any law and regulations governing Procurement and Disposal.

3.4. Additional Proposals

In view of forming strong and efficient units with clear mandates and to avoid duplications in the University, the members of CAES recommend that:

- The Bachelor of Urban and Regional Planning housed in the Faculty of Technology should be brought to the College under the proposed School of Forestry, Environmental and Geographical Sciences.
- The Proposed Food Processing (M. Sc. in Food Animal Health and Production) under the Faculty of Veterinary Medicine be halted with view of having all food processing issues under the School of Food Technology, Human Nutrition and Bioengineering.
- The Master of Wildlife, Tourism and Recreational Management; and related post graduate diploma which are currently housed in Faculty of Veterinary Medicine be brought under the college under the Proposed School Forestry Environmental and Geographical Sciences –Department of Forestry, Biodiversity Conservation and Tourism Management.
- The current two degree programmes 1. Bachelor of Animal Production Technology and Management and 2. M. Sc. in Livestock Development Planning and

Management; and related post graduate diploma which are housed in Faculty of Veterinary Medicine be brought to the college under the Proposed School of Agricultural Sciences –Department of Agricultural Production.

APPROVED AND PROPOSED ACADEMIC STAFF ESTABLISHMENT IN THE SCHOOLS AND DEPARTMENTS OF THE COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

1. School of Agricultural Sciences

a) Establishment in the Department of Agriculture Production

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment*
Professor	7	4	3	5
Associate Professor	6	4	2	5
Senior Lecturer	12	16	-4	12
Lecturer	16	10	6	18
Assistant Lecturer	12	9	3	16
Teaching Assistant	6	4	2	8
Total	59	47	4	64
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

b) Establishment in the Department of Agribusiness and Natural Resource Economics

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor	1	2	-1	2
Associate Professor	2	3	-1	2
Senior Lecturer	4	2	2	6
Lecturer	6	6	0	8
Assistant Lecturer	4	5	-1	8
Teaching Assistant	2	4	-2	5
Total	19	22	-3	31
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

c) Establishment in the Department of Extension / Education

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor	1	0	1	1
Associate Professor	2	0	2	2
Senior Lecturer	3	4	-1	3
Lecturer	4	8	-4	5
Assistant Lecturer	4	3	1	5
Teaching Assistant	2	3	-1	3
Total	16	18	-2	19
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

2. School of Forestry, Environmental and Geographical Sciences

Establishment in the Department of Forest and Tourism

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor	1	2		
Associate Professor		4		
Senior Lecturer		4		
Lecturer		9		
Assistant Lecturer		11		
Teaching Assistant		3		
Total		33		
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

b) Establishment in the Department of Environmental Management

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor		2		
Associate Professor		1		
Senior Lecturer		1		
Lecturer		6		
Assistant Lecturer		7		
Teaching Assistant		1		
Total		18		18

Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

c) Establishment in the Department of Geography and Climatic Sciences

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor		1		
Associate Professor		2		
Senior Lecturer		1		
Lecturer		3		
Assistant Lecturer		2		
Teaching Assistant		0		
Total		18		32
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

3. School of Food Technology, Nutrition and Bioengineering

a) Establishment in the Department of Agricultural & Bio-systems Engineering

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor	1	0	1	1
Associate Professor	1	1	0	2
Senior Lecturer	4	2	2	4
Lecturer	4	3	1	4
Assistant Lecturer	4	7	-3	4
Teaching Assistant	2	4	-2	2
Total	16	17	-1	17
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

b) Establishment in the Department of Food Technology and Human Nutrition

Post	Current approved Establishment	Filled	Vacant	Proposed Establishment
Professor	1	2	-1	1
Associate Professor	1	1	0	1
Senior Lecturer	4	5	-1	3
Lecturer	5	3	2	4
Assistant Lecturer	4	4	0	4
Teaching Assistant	2	0	2	2
Total	17	15	2	15
Chief Technician				
Principal Technician				
Senior Technician				
Technician 1 & 2				

* Proposed establishment is based on FTSE and WKLD with day and evening programmes

PROPOSED CENTRES FOR CAES AND THEIR ESTABLISHMENT

The College is starting off with eight (9) centres that will take care of groups of scientists coming together with interests for service and knowledge-transfer partnerships in strategic areas of the college or the their respective departments. Given the proposed nature of their services, college centres shall be self sustaining. The centre will be headed by a Director and shall be accountable to the College Principal through their respective heads/chairs of departments

1) Proposed Structure of the Centre for Climate and Water Resources

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

2) Proposed Structure for Geographic and Biodiversity Information Centre

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

3) Proposed Structure of the Centre for Waste Management

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

4) Proposed Structure of the Centre for Mountain Resources and Disaster Management

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

5) Proposed Structure for Food Technology and Business Incubation Centre

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

6) Proposed Structure for CAEC

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

7) Proposed Structure for Rangeland Resources Centre

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

8) Proposed Structure for Agricultural Policy Analysis Centre

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

9) Proposed Structure for centre for Plant Biotechnology

Post	Qualifications	No. of Positions
Director	PhD	1
Research Coordinator	PhD	1
Research Fellows	MSc	3
Total		5

APPENDICES

Appendix 1: Members of the Draft Committee for the college of Agriculture and Environmental Sciences

Name	Department/Unit	Email address
Prof. Samuel Kyamanywa (Chair)	Agriculture	skyamanywa@agric.mak.ac.ug
Dr. Nelson Turyahabwe (Secretary)	Forestry	turyahabwe@forest.mak.ac.ug
Prof. E.N Sabiiti	Agriculture	esabiiti@agric.mak.ac.ug
Dr. James Okot-Okumu	MUIENR	jokotokumu@muienr.mak.ac.ug
Ass. Prof. Philip Nyeko	Forestry	nyeko@forest.mak.ac.ug
Dr. Denis Mpairwe	Agriculture	dmpairwe@agric.mak.ac.ug
Dr. Jim Ayorekire	Geography	jayorekire@arts.mak.ac.ug
Dr. F.R.Tumwine	Geography	tumwrug@arts.mak.ac.ug
Dr. Eliezer Kateyo	MUIENR	ekateyo@muienr.mak.ac.ug
Prof. F. Kansiime (Vice Chair)	MUIENR	fkansiime@muienr.mak.ac.ug
Prof. JB Nyakaana	Geography	dr_nyakaana@arts.mak.ac.ug
Dr. R. Twinomuhangi	Geography	levtwin@arts.mak.ac.ug
Assoc. Prof. Najjingo Mangheni	Agriculture	mnmangheni@agric.mak.ac.ug
Dr. Vincent Muwanika	MUIENR	vmuwanika@muienr.mak.ac.ug
Dr. Hosea Muhanguzi	DOSATE	hmuhanguzi@dosate.mak.ac.ug
Dr. Gorettie Nabanoga	Forestry	nabanoga@forest.mak.ac.ug
Dr. John Muyonga	Food Science	muyongaj@agric.mak.ac.ug
Ass. Prof. CPK Basalirwa	Geography	cbasalirwa@arts.mak.ac.ug

Appendix 2: Current Academic Staff In The Faculty Of Agriculture Proposed Allocation To New Departments Under CAES

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
1	Hyuha T.S	PhD	A. Econ. & ABM	Assoc. Professor	Marketing/Rural Dev't	ANRE
2	Bonabana J.	PhD	A. Econ. & ABM	Lecturer	Macroeconomics	ANRE
3	Kiiza B.	PhD	A. Econ. & ABM	Senior Lecturer	Rural Finance / Econometrics	ANRE
4	Serunkuma D.	PhD	A. Econ. & ABM	Senior Lecturer	Resource & Envir. Econ.	ANRE
5	Ekere W.	PhD	A. Econ. & ABM	Lecturer	Prod.Econ/Marketing	ANRE
6	Balirwa E	MSc.*	A. Econ. & ABM	Lecturer	Farm Management	ANRE
7	Epelu G.	PhD	A. Econ. & ABM	Lecturer	Agri-business	ANRE
8	Mugisha J.	PhD	A. Econ. & ABM	Assoc. Professor / Head	Agricultural Marketing/ Policy	ANRE
9	Bashaasha B.	PhD	A. Econ. & ABM	Assoc. Professor	Resource & Eviron. Econ.	ANRE
10	Walekhwa P.	PhD	A. Econ. & ABM	Assistant Lecturer	Agribusiness	ANRE
11	Bagamba Fred	PhD	A. Econ. & ABM	Lecturer	Production Econ. / Farm Mgt	ANRE
12	Katungi Enid	PhD	A. Econ. & ABM	Lecturer	Institutional Econ. / Macroeconomics	ANRE
13	Diirro G.	MSc	A. Econ. & ABM	Asst. Lecturer	Production Economics	ANRE
14	Omiat G.	MSc	A. Econ. & ABM	Asst. Lecturer	Econometrics	ANRE
15	Turinawe A.	MSc	A. Econ. & ABM	Teaching Assistant		ANRE
16	Isoto R.	MSc	A. Econ. & ABM	Teaching Assistant	Environmental & Resource Economics	ANRE
17	Alobo S.	Msc	A. Econ. & ABM	Teaching	Environmental & Resource	ANRE

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
				Assistant	Economics	
18	Nsereko F. N.	B. Agribusiness		Teaching Assistant	Agribusiness	ANRE
19	Kasisira L. L.	PhD	Agric. Eng.	Sen. Lecturer/Head	Farm Power & Machinery	ABE
20	Sewanyana P.	MSc	Agric. Eng.	Assistant Lecturer	Farm Power & Machinery	ABE
21	Iwadra M.	MSc	Agric. Eng.	Lecturer	Soil & Water Engineering	ABE
22	Sendagi S.M.	MSc	Agric. Eng.	Assistant Lecturer	Environmental Engineering	ABE
23	Kawongolo J.B.	MSc	Agric. Eng.	Senior Lecturer	Agric. Processing for Engineering	ABE
24	Kiggundu N.	PhD	Agric. Eng.	Lecturer	Soil & Water Engineering	ABE
25	Mulamba P.	PhD	Agric. Eng.	Lecturer	Bioengineering	ABE
26	Komakech A.	MSc	Agric. Eng.	Teaching Assistant	Bio-energy	ABE
27	Kabenge Isa	MSc	Agric. Eng.	Assistant Lecturer	Environ. Engineering	ABE
28	Ssegane Herbert	MSc	Agric. Eng.	Assistant Lecturer	Bioengineering	ABE
29	Wanyama Joshua	MSc	Agric. Eng.	Assistant Lecturer	Soil & Water Engineering	ABE
30	Kigozi L.B.	MSc	Agric. Eng.	Assistant Lecturer	Agric. Processing Engineering	ABE
31	Ayaa Fildah	B.Sc. Agric Eng	Agric. Eng.	Teaching Assistant	Environ. Engineering	ABE
32	Makumbi Thomas	B.Sc. Agric Eng	Agric. Eng.	Teaching Assistant	Farm Power & Machinery	ABE
33	Tumutegyereize Peter	B.Sc. Agric Eng	Agric. Eng.	Teaching Assistant	Agric. Processing Engineering	ABE
34	Mangheni M.N.	PhD	Agric. Ext. Educ.	Senior Lecturer	Agric. Ext./Educ & Gender Issues	ABE
35	Karuhanga M.	PhD	Agric. Ext. Educ.	Lecturer	Sociology / Gender Issues	EE
36	Seguya H.	PhD	Agric. Ext. Educ.	Lecturer	Sociology of Agric. / Research	EE

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
					design / statistics	
37	Matsiko F.	PhD	Agric. Ext. Educ.	Lecturer	Agricultural Educ. / Community development	EE
38	Kibwika P.	PhD	Agric. Ext. Educ.	Senior Lecturer / Head	Social Science / Competence and Innovation Development	EE
39	Miir R.	MSc	Agric. Ext. Educ.	Lecturer	Programme Planning / Institutional Development	EE
40	Obaa B.	MSc	Agric. Ext. Educ.	Teaching Assistant	Sociology / Community Development	EE
41	Okiror J.J.	MSc	Agric. Ext. Educ.	Assistant Lecturer	Agric Educ / Ext	EE
42	Bukenya C.	PhD	Agric. Ext. Educ.	Lecturer	Agric. Ext / Communication / Programme Planning	EE
43	Isubikalu P.	PhD	Agric. Ext. Educ.	Lecturer	Rural Sociology / Community Development / Participatory Extension	EE
44	Kyazze Birungi F.	PhD	Agric. Ext. Educ.	Lecturer	Agric Education / Research Design / Statistics	EE
45	Karubanga Gabriel	BAEE	Agric. Ext. Educ.	Teaching Assistant	Agricultural Extension / Educ.	EE
46	Mukebezi Rebecca	B.Sc. Agric.	Agric. Ext. Educ.	Teaching Assistant	Agricultural Extension / Educ.	EE
47	Bareeba F.B.	PhD	Animal Science	Professor	Ruminant Nutrition / Feeding Systems	AP
49	Mutetikka D.	PhD	Animal Science	Assoc. Professor	Animal Production / Pig, Rabbit & Fish Nutrition	AP
50	Tibayungwa F.	PhD	Animal Science	Lecturer	Ruminant Nutrition / Animal Systems Modeling	AP
51	Mpairwe D.	PhD	Animal Science	Senior Lecturer / Head	Animal Production / Beef Production, Forage & Range Sciences	AP
52	Kyarisiima C.	PhD	Animal Science	Senior Lecturer	Animal Production / Poultry Science	AP

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
53	Nambi J.	PhD	Animal Science	Lecturer	Dairy Systems	AP
54	Kabi F.	PhD	Animal Science	Senior Lecturer	Ruminant Nutrition / Biochemistry & Physiology of nutrition	AP
55	Kugonza D.	PhD	Animal Science	Senior Lecturer	Apiary/Animal Breeding	AP
56	Idibu Joachine	BVM (M.Sc. candidate)	Animal Science	Assistant Lecturer	Animal Health & Behavior	AP
57	Katongole Costantine	PhD	Animal Science	Lecturer	Animal Feeding Systems	AP
58	Tibezinda Mary	MSc	Animal Science	Assist. Lecturer	Animal Production / Crop-livestock interactions	AP
59	Walusimbi Sadhat	MSc	Animal Science	Assist. Lecturer	Animal Physiology / Reproductive Biotechnology	AP
60	Zziwa Emmanuel	MSc	Animal Science	Assist. Lecturer	Animal Production / Range Science	AP
61	Kamatara Kanifa	MSc	Animal Science	Teaching Assistant	Animal Production / Meat Science	AP
62	Magala Henry	B.Sc. Agric	Animal Science	Teaching Assistant	Animal Production / Poultry Science	AP
63	Osiru D.S.O.	PhD	Crop Science	Professor	Agronomy & Physiology	AP
64	Sabiiti E.N.	PhD	Crop Science	Professor	Pasture Agronomy / Seed Science Technology	AP
65	Kyamanywa S.	PhD	Crop Science	Professor	Entomology / IPM	AP
66	Sekabembe C.	PhD	Crop Science	Assoc. Professor	Agronomy / Agroforestry	AP
67	Ssebuliba J.	PhD	Crop Science	Senior Lecturer/ Head	Agronomy	AP
68	Ssonkko R.N.	PhD	Crop Science	Lecturer	Horticulture	AP
69	Bisikwa J.	PhD	Crop Science	Lecturer	Weed Science	AP
70	Tusiime G.	PhD	Crop Science	Senior Lecturer	Pathology / Bacteriology	AP
71	Ochwo M.K.	PhD	Crop Science	Assistant Lecturer	Horticulture	AP

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
72	Talwana H.	PhD	Crop Science	Senior Lecturer	Nematology	AP
73	Wanyama D.O.	MSc	Crop Science	Assistant Lecturer	Horticulture	AP
74	Karungi K.	PhD	Crop Science	Lecturer	Entomology	AP
75	Nabasirye M.	PhD	Crop Science	Senior Lecturer	Biometrics	AP
76	Okori P.	PhD	Crop Science	Senior Lecturer	Pathology / Mycology	AP
77	Mukasa B.	PhD	Crop Science	Senior Lecturer	Virology & Genetics / Tissue Culture	AP
78	Edema R.	PhD	Crop Science	Senior Lecturer	Virology / Biotechnology	AP
79	Tukamuhabwa P.	PhD	Crop Science	Senior Lecturer	Plant Breeding	AP
80	Odongo Thomas	MSc	Crop Science	Assistant Lecturer	Biometrics	AP
81	Mwije Anthony	BSc Agric	Crop Science	Teaching Assistant	Plant Physiology / Biotechnology	AP
82	Magala-Nyago N. C.	PhD	F S T	Lecturer	Home Economics & Nutrition	FT&HN
83	Kikafunda J.	PhD	F S & T	Professor	Nutrition	FT&HN
84	Dorothy Nakimbugwe	PhD	F S & T	Senior Lecturer	Food Science & Nutrition	FT&HN
85	Kyamuhangire W.	PhD	F S & T	Associate Professor	Food Engineering/ Processing	FT&HN
86	Serunjogi M.	PhD	F S & T	Senior Lecturer	Food Microbiology	FT&HN
87	Tumuhimbise G.A.	MSc	F S & T	Assistant Lecturer	Food Science & Nutrition	FT&HN
88	Muranga F.	PhD	F S & T	Lecturer	Food Science & Nutrition	FT&HN
89	Atukwase A.	MSc	F S & T	Assistant Lecturer	Food Science & Tech.	FT&HN
90	Kaaya A.	PhD	F S & T	Associate Professor	Post Harvest Technology	FT&HN

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
91	Muyanja C.	PhD	F S & T	Senior Lecturer	Food Microbiology	FT&HN
92	Namutebi S.A.	PhD	F S & T	Senior Lecturer	Food Science	FT&HN
93	Byaruhanga Y.	PhD	F S & T	Senior Lecturer	Food Microbiology & Hygiene	FT&HN
94	Muyonga J.	PhD	FS & T	Professor/ Head	Meat Science	FT&HN
95	Banadda Noble	PhD	FST	Lecturer	Food Engineering Processing	FT&HN
96	Muzira I.	MSc	FS & T	Assistant Lecturer	Food Science & Tech.	FT&HN
97	Margaret Kabahenda	PhD	FS&T	Lecturer	Human Nutrition	FT&HN
98	Robert Mugabi	BSc	FS&T	Teaching Assistant	Food Engineering	FT&HN
99	Brany Lukwago	MSc	FS&T	Assistant Lecturer	Human Nutrition	FT&HN
100	Tumuhairwe J.K.	MSc	Soil Science	Senior Lecturer	Soil Pedology/ Classification	AP
101	Ssessanga S.	MSc.	Soil Science	Lecturer	Soil Physics	AP
102	Tenywa J.S.	PhD	Soil Science	Senior Lecturer	Soil Fertility / Chemistry	AP
103	Nkwiine C.	MSc	Soil Science	Senior Lecturer	Soil Biology & Agricultural Biodiversity	AP
104	Tenywa M.M.	PhD	Soil Science	Assoc. Prof./ Director MUARIK	Soil Physics/Conservation	AP
105	Ebanyat P.	PhD	Soil Science	Lecturer	Soil Chemistry / Production Ecology	AP
106	Basamba Twaha	PhD	Soil Science	Senior Lecturer	Soil Survey/Land Evaluation	AP
107	Tumuhairwe J.B.	PhD	Soil Science	Assistant Lecturer	Soil Fertility / Microbiology	AP
108	Olupot G.	MSc	Soil Science	Assistant Lecturer	Soil Biophysics	AP

No	Name	Highest Qualification	Former Department	Position	Specialty	New Department (Under CAES)
109	Mulumba L.N.	PhD	Soil Science	Lecturer	Soil Physics	AP
110	Amoding A.K.	PhD	Soil Science	Lecturer	Soil Fertility	AP
111	Ochwoh V.A.O.	PhD	Soil Science	Ass. Prof.	Soil Chemistry	AP
112	Musinguzi Patrick	MSc		Assistant Lecturer	Soil Pedology / Classification	AP

Appendix 3: Current Staff Establishment In The Faculty Of Forestry And Nature Conservation And Proposed Allocation Of Staff To New Departments Under CAES

No	Name	Highest Qualification	Former Department.	Rank	Specialty	New Department (Under CAES)
1	Banana Yabezi Abwoli	PhD	Forest Products Engineering	Professor	Wood Science and Technology	Forestry, Bio-Diversity & Tourism
2	Gombya-Ssembajjwe William	PhD	Forest Management	Professor	Forest Economics, Policy and Institutional Analysis	Agribusiness and Natural Resources Economics
3	Buyinza Mukadasi	PhD	Community Forestry & Extension	Professor	Forest Economics & Community Forestry	Agribusiness and Natural Resources Economics
4	Kaboggoza John Robert Sonko	PhD	Forest Products Engineering	Ass. Professor	Wood Science and Technology	Forestry, Bio-Diversity & Tourism
5	Nyeko Philip	PhD	Forest Biology & Ecosystems Management	Ass. Professor	Applied forest pathology & Entomology	Forestry, Bio-Diversity & Tourism
6	Tweheyo Mnason	PhD	Forest Biology & Ecosystems Management	Ass. Professor	Tropical forest Ecology and Wildlife biology and conservation	Forestry, Bio-Diversity & Tourism
7	Eilu Gerald	PhD	Forest Biology & Ecosystems Management	Ass. Professor	Forest Ecology & Biodiversity Conservation	Forestry, Bio-Diversity & Tourism
8	Nabanoga Gorettie	PhD	Community Forestry & Extension	Senior Lecturer	Gender in NRM	Extension Education
9	Bahati Joseph	PhD	Forest Biology & Ecosystems Management	Senior Lecturer	Forest Silviculture and GIS	Forestry, Bio-Diversity & Tourism
10	Okullo John Bosco Lamoris	PhD	Forest Biology & Ecosystems	Senior Lecturer	Tree seed and Reproductive Biology	Forestry, Bio-Diversity & Tourism

No	Name	Highest Qualification	Former Department.	Rank	Specialty	New Department (Under CAES)
			Management			
11	Turyahabwe Nelson	PhD	Community Forestry & Extension	Senior Lecturer	Forest Extension & Communication, Community Bases Natural Resources Management	Extension Education
12	Balaba Susan Tumwebaze	PhD	Forest Management	Lecturer	Biometrics, Environmental sampling and Growth Modeling, Above and below ground carbon estimation	Forestry, Bio-Diversity & Tourism
13	Mwavu Edward Nector	PhD	Forest Biology & Ecosystems Management	Lecturer	Rangeland Ecology and Management	Forestry, Bio-Diversity & Tourism
14	Namaalwa Justine	PhD	Forest Management	Lecturer	Biophysical modeling , Forest Resource Assessment, Forest Management, Forest Economics,	Environmental Management
15	Mugabi Paul	PhD	Forest Products Engineering	Lecturer	Wood Science	Forestry, Bio-Diversity & Tourism
16	Babweteera Fred	PhD	Forest Biology & Ecosystems Management	Lecturer	Forest Ecology and Forest policy	Forestry, Bio-Diversity & Tourism
17	Balimunsi Hussein Kivumbi	PhD	Forest Products Engineering	Lecturer	Forest Engineering	Agricultural and Forest Engineering
18	Nakabonge Grace	PhD	Forest Biology & Ecosystems Management	Lecturer	Forest Pathology & Genetics	Forestry, Bio-Diversity & Tourism

No	Name	Highest Qualification	Former Department.	Rank	Specialty	New Department (Under CAES)
19	Okia Akai Clement	PhD	Community Forestry & Extension	Lecturer	Agroforestry	Extension Education
20	Mbogga Michael	PhD	Forest Management	Lecturer	Forest Genetics, Land cover change, climate change, GIS	Forestry, Bio-Diversity & Tourism
21	Nyombi Kenneth	PhD	Forest Management	Lecturer	Plant-Soil environment Interactions, modeling, systems analysis	Environmental Management
22	Agea G. Jacob	PhD	Community Forestry & Extension	Lecturer	Forestry & Food Security, Honey Production , Forestry for Rural Development	Food Technology and Nutrition
23	Nakakaawa Charlotte	MSc (PhD Student)	Community Forestry & Extension	Asst. Lecturer	Resource Economics, Carbon sequestration	Agribusiness and Natural Resources Economics
24	Kambugu Robert	MSc (PhD Student)	Forest Products Engineering.	Asst. Lecturer	Sawmill Machinery	Agricultural and Forest Engineering
25	Zziwa Ahamed	MSc (PhD Student)	Forest Products Engineering.	Asst. Lecturer	Wood Structures	Agricultural and Forest Engineering
26	Waiswa Daniel	MSc (PhD Student)	Forest Management	Asst. Lecturer	Resource Assessment, Geo-informatics	Geography, Geo-informatics and Climate Sciences FBM/GCI
27	Jackson B. Tumwine	(PhD Student)	Community Forestry & Extension	Asst. Lecturer	Sociology	Extension Education
28	Bukenya Mohamed	MSc	Forest Management	Asst. Lecturer	Forest Business and Economics	Agribusiness and Natural Resource Economics
29	Mwesisgye Rutabatiina Abraham	MSc	Forest Biology & Ecosystems Management	Asst. Lecturer	Wetland resources conservation and Watershed Management	Forestry, Bio-Diversity & Tourism

No	Name	Highest Qualification	Former Department.	Rank	Specialty	New Department (Under CAES)
30	Orikiriza Lawrence	MSc (PhD Student)	Forest Biology & Ecosystems Management	Asst.Lecturer	Dry land forest restoration and biodiversity conservation	Forestry, Bio-Diversity & Tourism
31	Tumsiime David	MSc (PhD Student)	Forest Management	Asst.Lecturer	Political ecology	Environmental Management
32	Byakagaba Patrick	MSc (PhD Student)	Forest Management	Asst.Lecturer	Natural Resource Policies, Biophysical modeling and Environmental management	Environmental Management
33	Kizito Simon	MSc	Forest Products Engineering.	Asst.Lecturer	Wood science	Forestry, Bio-Diversity & Tourism
34	Sseremba Owen	MSc	Forest Products Engineering.	Asst.Lecturer	Wood science	Forestry, Bio-Diversity & Tourism
35	Nagawa Christine Betty	MSc	Forest Products Engineering.	Asst.Lecturer	Wood science	Forestry, Bio-Diversity & Tourism
36	Fred Yikii	MSc	Community Forestry & Extension	T/Assistant	Common Property Resources Management, Sustainable Land Management	Environmental Management
37	Lucy Were	MSc	Community Forestry & Extension	T/Assistant	Community Forestry, Rural Education and Outreach	Extension Education
38	Syofuna Agatha	BSc	Forest Products Engineering.	T/Assistant	Wood science	Forestry, Bio-Diversity & Tourism
39	Ssekubwa Enock	BSc	Forest Biology & Ecosystems	T/Assistant	Wildlife Ecology and management	Forestry, Bio-Diversity & Tourism

No	Name	Highest Qualification	Former Department.	Rank	Specialty	New Department (Under CAES)
			Management			
40	Wathum Gilbert	BSc (Msc.Training)	Forest Management	T/Assistant	Plantation Silviculture	Forestry, Bio-Diversity & Tourism
41.	Obua Joseph	PhD	Forest Biology & Ecosystems Management	Professor	Environmental Forestry and Conservation	Forestry, Bio-Diversity & Tourism

Appendix 4: Current Staff Establishment In The Department Of Geography And Proposed Allocation Of Staff To New Departments Under CAES

No	Name	Highest Qualification	Rank	Specialty	Current Department	Proposed Department in College
1	Nyakaana Jockey Baker	PhD	Professor	Tourism	Geography	FBCTM
2	Sengendo Hannington	PhD	Associate professor	Urban Geography	Geography	LPEM
3	Basalirwa Charles P.K.	PhD	Associate professor	Meteorology/Climate Sciences	Geography	GGC
4	Tumwine Fredrick Ruguma	PhD	Senior Lecturer	Population Geography	Geography	GGC
5	Adomati Ben Aluma	PhD	Lecturer	Bio-Geography	Geography	GGC
6	Twinomuhangi Revocatus	PhD	Lecturer	Geographical Information Systems/ Human Geography	Geography	GGC
7	Ayorekire Jim	PhD	Lecturer	Tourism	Geography	FBCTM
8	Musali Paul	PhD	Lecturer	Environment Management	Geography	LPEM
9	Lwasa Swaibu	PhD	Lecturer	Urban Planning/ Geographical Information Systems	Geography	LPEM
10	Nakileza Bob	PhD	Lecturer	Environment Management	Geography	LPEM
11	Muhwezi Derek	MSc	Lecturer	Urban Planning/ Geographical Information Systems	Geography	LPEM
12	Ddumba, Daniel Saul	MSc (PhD student)	Assistant Lecturer	Meteorology/Climate Sciences	Geography	GGC
13	Bamutaze,Yazidni	PhD	Assistant Lecturer	Geomorphology/ Geographical Information Systems	Geography	

No	Name	Highest Qualification	Rank	Specialty	Current Department	Proposed Department in College
14	Natenza Jamiat	MSc	Assistant Lecturer	Meteorology/Climate Sciences	Geography	GGC
15	Nimusiima, Alex	MSc	Assistant Lecturer	Meteorology/Climate Sciences	Geography	GGC
16	Sabiiti, Geoffrey	MSc (PhD student)	Assistant Lecturer	Meteorology/Climate Sciences	Geography	GGC
17	Wasswa Hannington	M.A	Assistant Lecturer	Human Geography	Geography	GGC
18	Turyomurugyendo Penninah Mugisha	MPhil.	Assistant Lecturer	Regional Geography	Geography	GGC
19	Ndyabahika, Matete Micheal	MSc (PhD student)	Assistant Lecturer (Temporary)	Quantitative Geography/Remote Sensing	Geography	GGC
20	Muhwezi Deus	MSc (PhD student)	Assistant Lecturer	Tourism/Hospitality Management	Geography	FBCTM
21	Ahebwa Wilber	MSc (PhD student)	Assistant Lecturer	Tourism/Tour and Travel Management	Geography	FBCTM
22	Karungi Doreen	MPhil.	Assistant Lecturer (Temporary)	Urban Planning	Geography	LPEM
23	Muggaga Frank	MPhil. (PhD student)	Assistant Lecturer (Temporary)	Environment Management	Geography	LPEM
24	Nalwanga Faridah	MPhil.	Assistant Lecturer (Temporary)	Environment Management	Geography	LPEM
25	Semambo Joseph	MA	Assistant Lecturer (Temporary)	Urban Planning	Geography	LPEM
26	Mugizi Frank	MSc	Teaching Assistant (Temporary)	Tourism/Tour and Travel Management	Geography	FBCTM

CAES = Makerere University, College of Agricultural and Environmental Sciences; GGC = Geography, Geo-Informatics and Climatic Sciences; EM = Environment management; FBCTM = Forestry Sciences, Biodiversity Conservation and Tourism Management

Appendix 5: Current Staff Establishment In MUIENR And Proposed Allocation Of Staff To New Departments Under CAES

	Name	Highest Qualification	Rank	Specialty	Former Unit	New Department (Under CAES)
1	Kansiime Frank	PhD	Professor	Environmental Ecotechnology	RUEM	EM
2	Tabuti John R. S	PhD	Professor	Ethanobotany	BCM	EM
3	Majaliwa Mwajololo Jackson	PhD	Associate Professor	Geo-informatics	EIM	GGC
4	Okot Okumu James	PhD	Senior Lecturer	Water Quality , Waste management and Impact Assessment	RUEM	EM
5	Kateyo Eliezer	PhD	Senior Lecturer	Water and Wetlands Biodiversity	BCM	FBCTM
6	Muwanika,Vincent	PhD	Senior Lecturer	Molecular Genetics/Biodiversity	BCM	FBCTM
7	Lwanga Jeremiah	PhD	Lecturer	Mammals and Plant Biodiversity	BCM	FBCTM
8	Natumanya Ezra	MSC	Assistant Lecturer	Integrated Water Resources Management	RUEM	RUEM
9	Kayendeke Ellen	MSC	Assistant Lecturer	Geo-informatics /Ecological modeling	EIM	RUEM
10	Mfitumukiza, David	MSC	Assistant Lecturer	Geo-informatics /Range land Management	EIM	GGC
11	Erima Godwin	MSC	Assistant Lecturer	Earth and Geological Processes	RUEM	RUEM