

UNIVERSITY OF AGRICULTURE, ABEOKUTA



ANNUAL REPORT 2010

Packaged by: Academic Planning Unit

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1.0 INSTITUTIONAL INFORMATION

1.1 UNIVERSITY LOGO



DESCRIPTION OF LOGO

WHEAT:	Symbolizes agricultural products
ROCK:	Symbolizes Olumo Rock of Abeokuta
OPEN BOOK:	Symbolizes knowledge
WATER:	Symbolizes water resources/fisheries
GOLD COLOUR:	Symbolizes excellence
GREEN COLOUR:	Symbolizes agriculture
MOTTO:	Knowledge for Development

1.2 UNIVERSITY'S VISION

The University of Agriculture, Abeokuta shall evolve as a foremost institution in the triad of teaching, research and extension by attracting, managing and retaining appropriate human and material resources for the pursuit of the desired creative, imaginative and innovative change for sustainable agriculture and rural development in Nigeria.

1.3 UNIVERSITY'S MISSION

- (i) To provide a conducive environment for the achievement of the University's tripodal mandate for teaching, research and extension
- (ii) To develop relevant academic programmes
- (iii) To produce high-level manpower with the capacity for self employment in agriculture and allied professions
- (iv) To effectively disseminate and utilize research results through invigoration of extension services for improved agricultural production and food sufficiency.
- (v) To continuously enhance and effectively utilize resources and facilities
- (vi) To recognize and adapt to changes in the Nigerian environment

1.4 BRIEF HISTORY OF THE UNIVERSITY

The University of Agriculture, Abeokuta is one of the three specialized Universities of Agriculture in Nigeria. It was established by the Federal Government in January, 1988, its foundation day being the 28th of January, 1988. The establishment of the Universities of Agriculture was an entirely new concept for promoting agricultural education and services for agricultural development and attainment of self-sufficiency in food and fibre.

The University of Agriculture, Abeokuta started at its mini campus in Isale-Igbehin in the centre of Abeokuta, the capital of Ogun State. The University moved in October, 1995 to its permanent site, which is located next to the Ogun-Osun River Basin Development Authority (OORBDA), off the Abeokuta-Ibadan road in the North-Eastern end of the city.

Previously, the University of Agriculture, Abeokuta had been under the leadership of three Vice-Chancellors. The Pioneering Vice-Chancellor was Professor Nurudeen Olorunnimbe Adedipe, a professor of Plant Physiology who assumed duty as Vice-Chancellor on the foundation day. Professor N. O. Adedipe was succeeded by Professor J. A. Okojie, a professor of Forest Management & Biometrics. Professor J. A. Okojie is currently the Executive Secretary, National Universities Commission, Abuja. The exit of Professor J. A. Okojie as Vice-Chancellor of UNAAB brought in Professor I. F. Adu who came into office in September 2001. Professor I. F. Adu is a successful professor of Small Ruminant Production. These great icons created indelible marks on the face of this unique institution.

The University has from its inception consistently witnessed tremendous and remarkable growth and development under its past and present Vice-Chancellors who have immeasurably contributed to setting the institution on a landmark of success. In 2002, the University won its first major award by being adjudged the best overall University in Nigeria in terms of organisation and quality of programmes. In 2003 and 2004, the University won the best specialized University award and its Vice-Chancellor, Professor I. F. Adu won the best Vice-Chancellor award in Nigerian Universities consecutively in addition to winning the maiden edition of research fair organised by the National Universities Commission (NUC) in 2004. A short interregnum brought in an Acting Vice-Chancellor in person of Professor Ishola Adamson, a Professor of Biochemistry between August, 2006 and May, 2007.

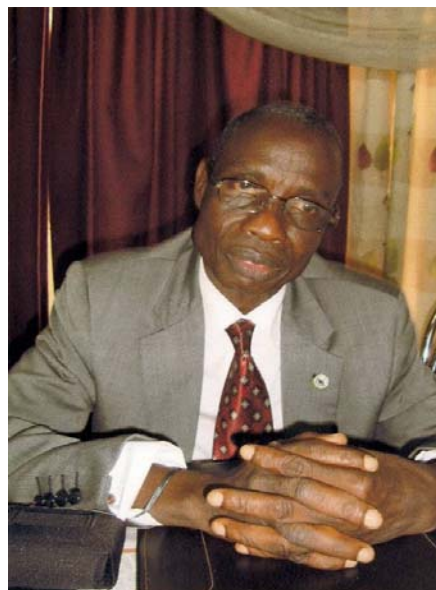
Presently, the Vice-Chancellor of the University is Professor Oluwafemi Olaiya Balogun, a seasoned professor of Animal Biochemistry and Nutrition. Professor O. O. Balogun was appointed the fourth Vice-Chancellor of this great University on the 24th of May, 2007. The University had witnessed significant expansion in physical facilities and academic programmes during his tenure.

The University of Agriculture, Abeokuta in its tradition of excellence has continued to produce, through its endowed human and material resources quality graduates who are well skilled and adequately furnished with the comprehensive information required for engaging in economic agricultural production. To date, the University has produced a total number of 11,849 graduates.

1.5 UNIVERSITY COUNCIL



Chief L.A.O. Osayemi
Pro-Chancellor/Chairman of Council



Prof O.O. Balogun
Vice Chancellor/Member



Prof. C.F.I. Onwuka
Deputy Vice Chancellor (Academic)/Member



Prof. S.T.O. Lagoke
Deputy Vice Chancellor (Development)/Member



Mr. Olu Lajuwonri
Member



Bishop B.W. Degi
Member



Dr. Solomon Oladiti
Member



Mrs. Mabel Ozumba
Member, Rep. Fed. Ministry of Education



Dr. Ben Efiemokwu
Member,
Rep. Fed. Ministry of Agric & Natural Resources



Prof. T.A. Arowolo
Member, Rep. Senate



Prof. F.O. Bamiro
Member, Rep Senate



Prof. (Mrs.) Daisy Eruvbetine
Member Rep. Senate

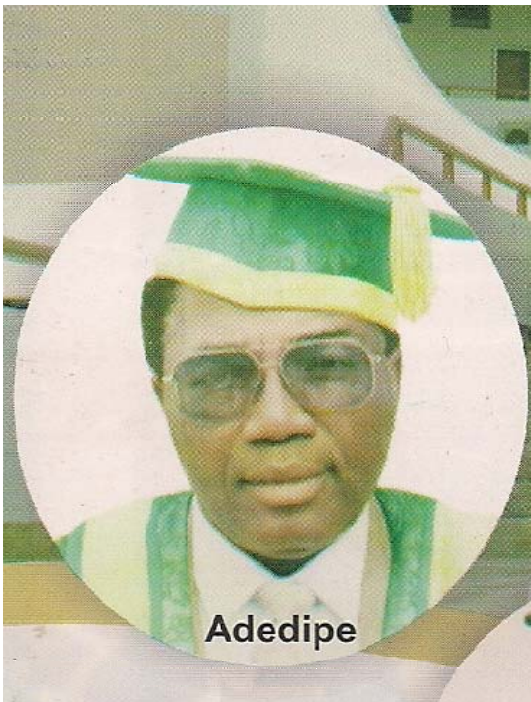


Prof. O.B. Kehinde
Member, Rep. Senate

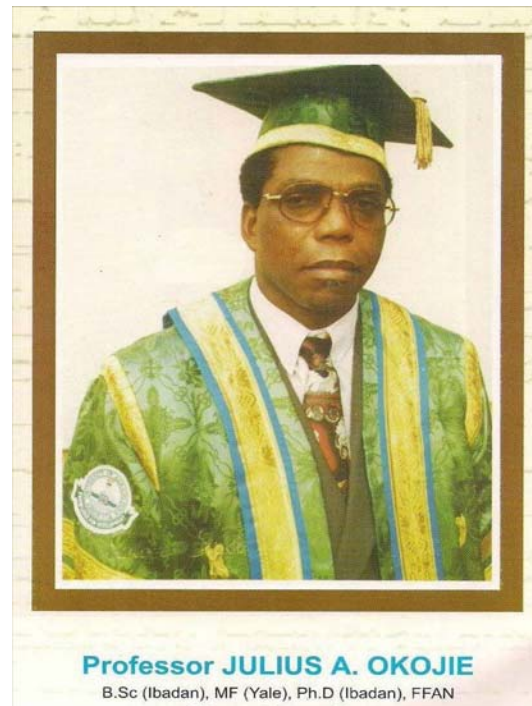


Mr. A.O. Adeboye
Acting Registrar

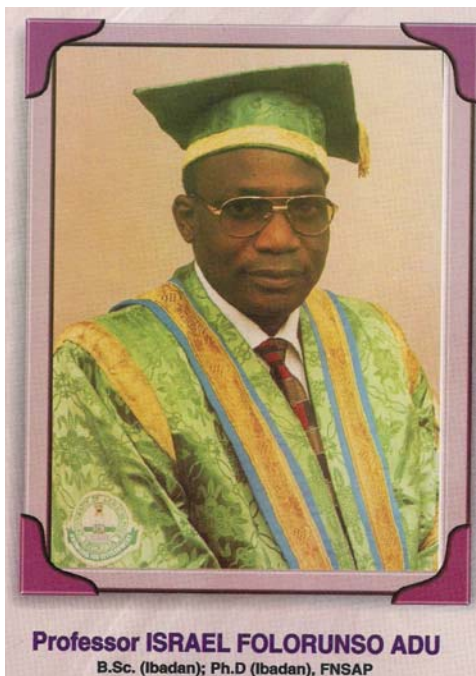
1.6 PAST AND PRESENT VICE-CHANCELLORS



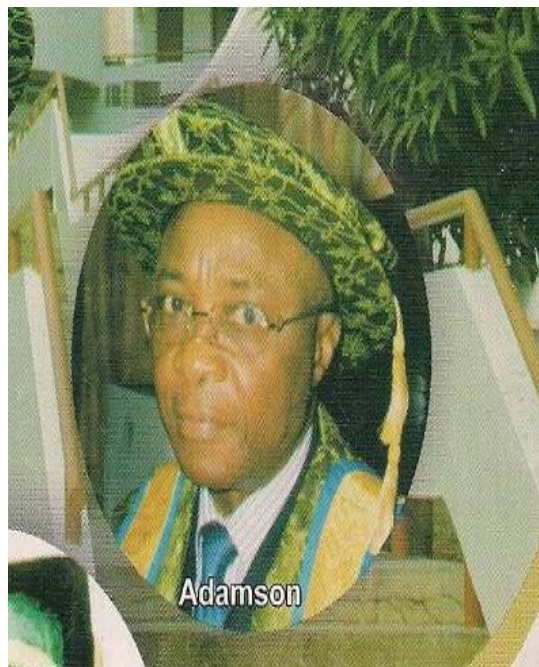
Professor Nurudeen O. Adedipe
B.Sc. Agric., Ph.D (Brit. Columb.)
January, 1988 -1995



Professor JULIUS A. OKOJIE
B.Sc (Ibadan), MF (Yale), Ph.D (Ibadan), FFAN
Acting Vice-Chancellor: 1995-1996
Vice-Chancellor: 1996 – August, 2001



September, 2001 – August 2006

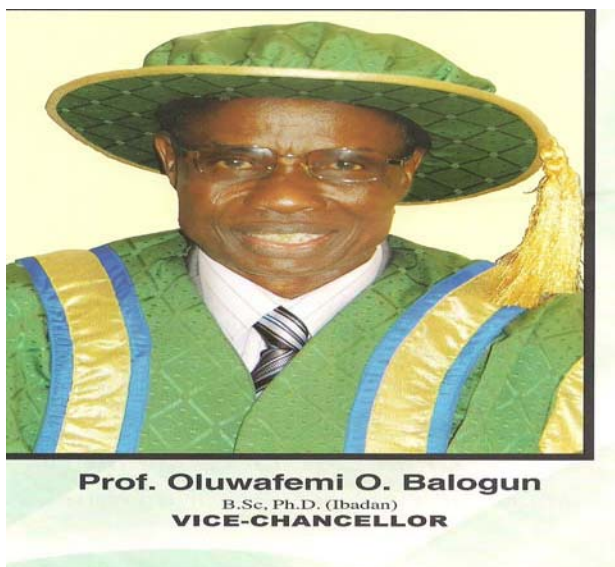
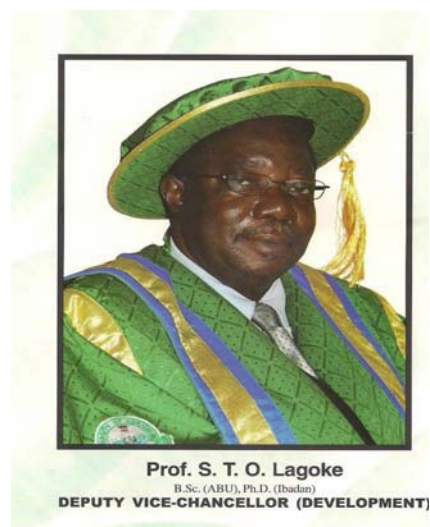
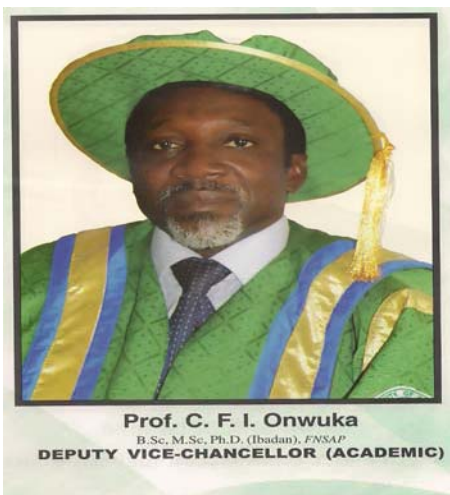


Professor Ishola Adamson (Ag.)
B.Sc. (Ibadan), M.Sc., Ph.D (Rutgers)
September, 2006 – May, 2007

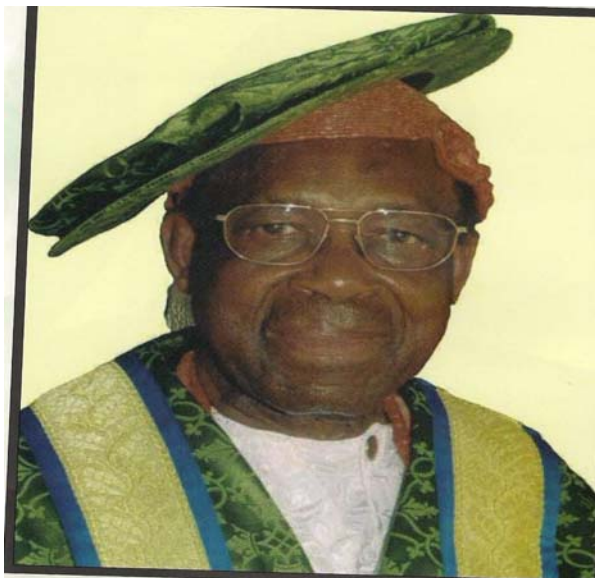


Professor Oluwafemi Olaiya Balogun
B.Sc., Ph.D (Ibadan)
Vice Chancellor – May, 2007 till date

1.7 PRINCIPAL OFFICERS OF THE UNIVERSITY



1.8 UNIVERSITY CHANCELLOR



**Obi (Professor) Joseph Chike Edozien
Asagba of Asaba
Chancellor**

PROFILE OF HIS ROYAL MAJESTY OBI (PROFESSOR) JOSEPH CHIKE EDOZIEN THE ASAGBA OF ASABA AND CHANCELLOR, UNIVERSITY OF AGRICULTURE, ABEOKUTA

His Royal Majesty, Obi, Professor Joseph Chike Edozien, C.F.R., was born on July 28, 1925 at Asaba. He started his primary education at the Catholic School, Warri in 1933 and completed it in 1937. Between 1938 and 1941, His Royal Majesty, Obi (Professor) Chike Edozien, was at the Christ the King College Onitsha, for his post primary education. He attended the Higher College, Yaba, Lagos in 1942 and the Achimota School, Accra, Gold Coast from 1942 to 1943.

His Royal Majesty was at the University College Dublin, Republic of Ireland, from 1944 to 1951, where he obtained in 1948 the B.Sc. Hons. Degree in Physiology. In 1958, he obtained the M.Sc. (NUI) in Physiology and in 1961, he bagged the M.B.B.ch.B.A.O. (NUI) with honours, also from the famous University College, Dublin.

In 1954, Professor Obi Chike Edozien was admitted as a Member of the Royal Council of Physician, M.R.C.P. (Edinburgh). He became a Fellow of the Royal Council of Physician, F.R.C.P. (Edinburgh) in 1963. He was awarded the Honorary Doctorate Degree of Science, D.Sc. (Hon) of the University of Rio de Janeiro, Brazil. He became a Fellow of the Royal Council of Pathologist, F.R.C. Path (London) in 1967, and in 1980, he was made a Fellow of the Nigeria Academy of Science (F.A.S.).

His Royal Majesty, Obi, Professor Joseph Chike Edozien, has had varied work experience beginning with that of Lecturer in Clinical Biochemistry, Middlesex Hospital Medical School, University of London (1951 – 1952) Lecturer in Chemical Pathology University College, Ibadan (1952 – 1957), Senior Lecturer in Chemical Pathology, University College, Ibadan (1957 – 1961).

He was a Professor of Chemical Pathology, University of Ibadan and Dean, Faculty of Medicine, University of Ibadan (1961 – 1967). He was also a Special Adviser on Higher Education to the Military Governor of Midwest Region of Nigeria from 1966 – 1967.

Between 1967 and 1971, he served as Professor of Nutrition, Massachusetts Institute of Technology (MIT) Cambridge, Mass, USA. He was also, Professor and Chairman, Department of Nutrition,

School of Public Health, University of North Carolina from 1971 – 1991. Between 1988 – 1991, His Royal Majesty was the Chairman, Governing Board, National Institute of Medical Research, Yaba, Lagos.

From 1991 till the present day, he has been a Professor Emeritus of the University of North Carolina, Chapel Hill, NC, United States of America.

By the grace of the almighty God, Professor Joseph Chike Edozien ascended the throne of his forefathers, when he was crowned as the Asagba of Asaba in 1991. He remains so till date.

A very versatile and brilliant academic, His Royal Majesty had served as the Chairman, Delta State Council of Traditional Rulers (1997 – 1999). He became a Justice of Peace (JP) in September, 1996, and was honoured with the distinguished award of the Commander of the Federal Republic, (C.F.R.) in November, 2000.

He became the Chancellor of the University of Agriculture, Abeokuta, in 2004. Prior to this he had served as the Chancellor of the University of Benin, Benin City, Edo State.

His Royal Majesty, Obi (Professor) Joseph Chike Edozien had served on several Advisory Committees of International agencies. Notable among which are the World Health Organization (WHO), Food and Agricultural Organisation (FAO), the United Nations Committee on the Application of Science and Technology for National Development as well as many other several Committee of American Government Agencies, concerned with Technical Assistance to developing countries, such as USIAD etc.

He was the Chairman, Delta State Elders Forum that made recommendations on the resolution of the Warri crisis in 1997.

He is currently, the Chairman of the Forum of Chancellors of Nigerian Universities.

He is happily married to Olori Modupe Edozien and the marriage is blessed with wonderful children.

1.9 UNIVERSITY PRO-CHANCELLOR



CHIEF LAWRENCE AYINDE OLAKUNLE OSAYEMI
Chairman of Council

Chief Osayemi was born on June 7, 1945 at Abeokuta.

He had his primary and secondary education in Abeokuta. He completed his secondary school education in 1962, bagging the West African School Certificate in the first division grade.

He is a foremost accountant who is a member of many professional bodies. He became a member of the Chartered Institute of Cost Accountants, London (ICMA) in 1969 and an Associate of the same body (ACMA) in 1971. In 1975, he became an Associate of the Institute of Chartered Accountants of Nigeria (ICAN) and rose to become a Fellow of the institute (FCA) in 1981. He has also being an Associate of the Nigerian Institute of Management (ANIM) since 2001.

As a person who is interested in having a broad based knowledge, Chief Ayinde Olakunle Osayemi, at the peak of his professional, career enrolled as a student of Law in the University of Lagos and obtained a Bachelor of Law degree (LLB) in 2000. He became a Barrister at Law (BL) in 2001, having completed the Nigerian Law School programme. As if this was not enough, he went back to the University in 2006 to obtain a Master of Law Degree (LLM).

Apart from his academic pursuit, Chief Osayemi is a thorough breed professional who has undergone various advanced managerial training. In 1975, he took a course in Executive Management (LEP21) at the London Business School. He then proceeded to the Harvard Business School, Boston, Massachusetts, USA for Advanced Management Programme (AMP112) in 1993.

Chief Osayemi's professional career soared as the Factory Accountant with Phillips Nigeria Limited between 1970 and 1973 and Chief Accountant, Vegetable Oils Nigeria Limited from 1973 to 1976. He joined Thomas Wyatt Nigeria Plc in 1976 as Group Accountant. From here, he rose to become the Company's Commercial Manager between 1979 and 1981; Financial Director from 1981 to 1986 and Managing Director in 1986, a post he held until his retirement from the company in 2006. He is presently a Director of the company.

Chief L.A.O. Osayemi has over time, occupied several positions both in the private and public sectors. Since 1986 he has held various posts in the Manufacturers' Association of Nigeria (MAN) including the Chairman, Paper Sector, the Chairman, Apapa Branch, the Vice President, Lagos Zone and the National Treasurer. Also between 1986 and 2006, he was a Member of the Governing Council of the Nigeria Employers Consultative Forum and President, Paper and Paper Board Manufacturers and Converters Association. In the public sector, between 2000 and 2003, he was a Member of the Governing Council of the Nigerian Shippers Council. In 2003, he became a Member of the Board of Directors of the Bank of Industry, a position which he holds to date. He was also appointed a Member of the Technical Committee of the West African Monetary Zone in 2007 and also a Member of the Steering Committee of the Vision 20: 2020 in 2009. These two positions he also holds to date.

His diligence, profound sense of duty and utmost dedication to any assignment he handles culminated in his appointment as Pro-Chancellor and Chairman of Governing Council of the University of Agriculture, Abeokuta, in June, 2009.

Chief L.A.O. Osayemi is happily married to Chief (Mrs) Oluwayemisi A. Osayemi (Iya Ewe of Isaga) and blessed with children.

1.10 UNIVERSITY COUNCIL COMMITTEES

- 1. Board of Survey**
 - (i) Chairman (Council Nominee) -
 - (ii) 1 Rep. of Council - Mr. Olu Lajuwomi
- 2. Capital Development Committee**
 - (i) Chairman - Vice-Chancellor
 - (ii) 1 Rep., Ministry of Education - Mrs. Mabel Ozumba
 - (iii) 3 Reps of Council:
 - (a) Dr. Solomon O. Laditi
 - (b) Bishop B. W. Degi
 - (c) Barrister (Mrs.) Jamila Ahmed Salik
- 3. INHURD Management Board**
 - (i) Chairman - Mrs. Mabel Ozumba
 - (ii) 1 Rep. of Council - Vacant
- 4. Finance & General Purposes Committee (F & GPC)**
 - (i) Chairman - Pro-Chancellor
 - (ii) 3 External Council Members:
 - (a) Mr. Olu Lajuwomi
 - (b) Chief B. W. Degi
 - (c) Barrister (Mrs.) Jamila Ahmed Salik
 - (iii) 2 Senate Reps on Council:
 - (a) Prof. O.B. Kehinde
 - (b) Prof. F.O. Bamiro
 - (iv) 1 Congregation Rep. on Council - Vacant
 - (v) Rep. Federal Ministry of Agriculture – Dr. Ben Efiemokwu
- 5. Physical Planning and Capital Works Committee**

Chairman - Dr. Solomon O. Laditi
- 6. Royal Greens Guest House Management Board**

Chairman - Rep. Federal Ministry of Commerce & Industry
(Mr. F. O. Oloruntola)
- 7. Staff Disciplinary Committee (SDC)**
 - (i) Chairman - DVC (Development)
 - (ii) 3 Reps. of Council:
 - (a) Mr. Olu Lajuwomi
 - (b) Barrister (Mrs.) Jamila Ahmed Salik
 - (c) Dr. Ben Efiemokwu
 - (iii) Rep. Federal Ministry of Education, Mrs. Mabel Ozumba
- 8. UNAAB International School Board**
 - (i) Chairman -
 - (ii) 1 Rep. of Council - Dr. Solomon O. Laditi
- 9. UNAAB Staff School Board**
 - (i) Chairman - Mrs. Mabel Ozumba
 - (ii) Alternate Chairman - DVC (Academic)
 - (iii) 1 Rep. of Council - Bishop B. W. Degi
- 10. University Loans Committee**
 - (i) Chairman - Mr. Olu Lajuwomi
 - (ii) 2 Reps of Council:
 - (a) Prof. (Mrs.) Daisy Eruvbetine
 - (b) Prof. T. A. Arowolo

1.11 JOINT COMMITTEES OF COUNCIL AND SENATE

12. Appointments and Promotions Committee for Academic Staff (APCAS)

- (i) Chairman - Vice-Chancellor
- (ii) 1 Rep., Federal Ministry of Education – Mrs. Mabel Ozumba
- (iii) 4 Reps of Council (not Senate Members):
 - (a) Dr. Ben Efiemokwu
 - (b) Barrister (Mrs.) Jamila Ahmed Salik
 - (c) Bishop B. W. Degi
 - (d) Mr. Olu Lajuwomi

13. Appointments and Promotions Committee for Non-Teaching Staff (APCONTS)

- (i) Chairman - Vice-Chancellor
- (ii) 1 Rep., Federal Ministry of Education – Mrs. Mabel Ozumba
- (iv) 3 Reps of Council (not Senate Members):
 - (a) Rep., Federal Ministry of Commerce & Industries (Mr. F.O. Oloruntola)
 - (b) Dr. Solomon O. Laditi
 - (c) Mr. Olu Lajuwomi

14. Award of Honorary Degrees Committee

- (i) Chairman - Pro-Chancellor
- (ii) Alternate Chairman - Vice-Chancellor
- (ii) 3 External Council Members:
 - (a) Barrister (Mrs.) Jamila Ahmed Salik
 - (b) Bishop B. W. Degi
 - (c) Mr. Olu Lajuwomi

15. Selection Board for Other Principal Officers

- (i) Chairman - Pro-Chancellor
- (ii) Member - Vice-Chancellor
- (iii) 4 Reps. Of Council (not in Senate):
 - (a) Dr. Ben Efiemokwu
 - (b) Bishop B. W. Degi
 - (c) Barrister (Mrs.) Jamila Ahmed Salik
 - (d) Mr. Olu Lajuwomi

Membership of Council

Chief L. A. O. Osayem	i	-	Pro-Chancellor & Chairman
Professor O. O. Balogun		-	Vice-Chancellor & Member
Prof. C. F. I. Onwuka		-	Deputy Vice-Chancellor (Academic) & Member
Prof. S.T.O. Lagoke		-	Deputy Vice-Chancellor (Development) & Member
Mr. J. Olu Lajuwomi		-	Member
Barrister (Mrs.) Jamila Ahmed Salik			Member
Bishop B. W. Degi		-	Member
Dr. S. O. Oladiti		-	Member
Mrs. Mabel Ozumba		-	Member (Representing Federal Ministry of Education)
Dr. Ben Efiemokwu		-	Member (Representing Federal Ministry of Agriculture & Water Resources)
Mr. F. O. Oloruntola		-	Member (Representing Federal Ministry of Commerce & Industry)
Prof. T. A. Arowolo		-	Member (Representing Senate)
Prof. F. O. Bamiro		-	Member (Representing Senate)
Prof. (Mrs.) D. Eruvbetine		-	Member (Representing Senate)

Prof. O. B. Kehinde	-	Member (Representing Senate)
Vacant	-	Member (Representing Congregation)
Vacant	-	Member (Representing Congregation)
Vacant	-	Member (Representing Convocation)
Mr. A. O. Adeboye	-	Acting Registrar & Secretary to Council

In Attendance

Mr. M. O. Ilesanmi	-	Ag. Bursar
Mrs. C. B. Kuforiji	-	Director (Executive Affairs), VCO

2.0 VICE CHANCELLOR'S REPORT



Professor Oluwafemi Olaiya Balogun
Vice-Chancellor

2.1 PERFORMANCE APPRAISAL OF THE UNIVERSITY IN TEACHING, RESEARCH AND EXTENSION

The University has continued to witness quantitative and qualitative improvement in the facilities for teaching, research and extension in our resolve to make the University one of the top 10 Universities in Africa and among the top 100 Universities worldwide in terms of quality of our products and impact on national development. Giant strides have been achieved in the tripodal mandate of the University that is in teaching, research and extension services.

2.1.1 Teaching

The University hosted the National Universities Commission (NUC) for Resource Verification of two (2) new Programmes: the Agricultural Administration, and Foodservice and Tourism. The University is adequately prepared for the visitation of twelve Academic Programmes due for re-accreditation during the year under review. These are Biochemistry, Biological Sciences, Chemistry, Computer Science, Mathematics, Microbiology, Physics, Statistics, Civil Engineering, Electrical/Electronics Engineering, Aquaculture and Fisheries Management, and Food Science and Technology Programmes. All the Programmes in the College of Engineering are also awaiting the re-accreditation of the Council for Registered Engineers of Nigeria (COREN).

Major improvements in the teaching environment continue to be of priority to the management of the University. Consequently, two (2) lecture theatres: a two thousand and five hundred (2,500) and a two thousand (2000) capacity-size lecture theatres are under construction and when completed, would be equipped with the state-of-the art ICT and air-conditioning facilities with stand-by generating sets.

Our examination system continues to be improved upon especially with the introduction of Computer Based Test (CBT) for large classes, which replaced the Optical Mark Reader (OMR) examinations earlier introduced. The CBT and has proved to better facilitate early processing and release of examination results.

The totality of the University's efforts to normalize the academic calendar has yielded the desired results with the completion of the 2010/2011 Session on. The Academic Calendar had earlier been disrupted in 2009 due to the prolonged industrial dispute between Government and University-based Staff Unions.

2.1.2 Academic Programmes and Their Accreditation Status

All the academic programmes run in the University are approved and are accredited by both the National Universities Commission (Table 1) and the relevant professional bodies including the Council for the Regulation of Engineering in Nigeria (COREN), Veterinary Council of Nigeria and Nutrition Society of Nigeria.

NUC ACCREDITATION STATUS OF ACADEMIC PROGRAMMES

S/ NO	DEPARTMENT / PROGRAMME	ACCREDITATION STATUS
	COLLEGE OF AGRICULTURAL MANAGEMENT AND RURAL DEVELOPMENT	
1	Department of Agricultural Economics and Farm Management. (B. Agric)	Full Accreditation
2	Department of Agricultural Extension and Rural Development. (B. Agric)	Full Accreditation
3	Department of Agricultural Administration (B. Agric)	Visited for Resource Verification
	COLLEGE OF FOOD SCIENCE AND HUMAN ECOLOGY	
4	Department of Home Science Management. (B.Sc.)	Full Accreditation
5	Department of Nutrition and Dietetics. (B.Sc.)	Full Accreditation
6	Department of Food Science and Technology. (B.Sc.)	Full Accreditation
7	Department of Foodservice and Tourism (B.Sc.)	Visited for Resource Verification

S/ NO	DEPARTMENT / PROGRAMME	ACCREDITATION STATUS
	COLLEGE OF ANIMAL SCIENCE AND LIVESTOCK PRODUCTION	
8	Department of Animal Breeding and Genetics. (B. Agric)	Full Accreditation
9	Department of Animal Nutrition. (B. Agric)	Full Accreditation
10	Department of Animal Production and Health. (B. Agric)	Full Accreditation
11	Department of Pasture and Range Management. (B. Agric)	Full Accreditation
12	Department Animal Physiology. (B. Agric)	Full Accreditation
	COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT	
13	Department of Aquaculture and Fisheries (B. Fisheries)	Full Accreditation
14	Department of Environmental Management and Toxicology (B. EMT)	Full Accreditation
15	Department of Forestry and Wildlife Resources (B. FWM)	Full Accreditation
16	Department of Water Resources Management and Agrometeorology (B. WRM)	Full Accreditation
	COLLEGE OF NATURAL SCIENCES	
17	Department of Microbiology (B.Sc.)	Full Accreditation
18	Department of Biological Sciences (B.Sc.)	Full Accreditation
19	Department of Biochemistry (B.Sc.)	Full Accreditation
20	Department of Chemistry (B.Sc.)	Full Accreditation
21	Department of Mathematics (B.Sc.)	Full Accreditation
22	Department of Computer Science (B.Sc.)	Full Accreditation
23	Department of Statistics (B.Sc.)	Full Accreditation
24	Department of Physics (B.Sc.)	Full Accreditation
	COLLEGE OF PLANT SCIENCE	
25	Department of Crop Protection. (B. Agric)	Full Accreditation
26	Department of Plant Breeding and Seed Technology. (B. Agric)	Full Accreditation
27	Department of Horticulture. (B. Agric)	Full Accreditation
28	Department of Plant Physiology and Crop Production. (B. Agric)	Full Accreditation
29	Department of Soil Science and Land Management (B. Agric)	Full Accreditation
30	COLLEGE OF ENGINEERING	
31	Department of Agricultural Engineering (B. Engr.)	Full Accreditation
32	Department of Civil Engineering (B. Engr.)	Interim Accreditation
33	Department of Mechanical Engineering (B. Engr.)	Full Accreditation
34	Department of Electrical/Electronics Engineering (B. Engr.)	Interim Accreditation
	COLLEGE OF VETERINARY MEDICINE	
35	Department of Veterinary Anatomy. (DVM)	Full Accreditation
36	Department of Veterinary Physiology. (DVM)	Full Accreditation
37	Department of Veterinary Microbiology. (DVM)	Full Accreditation
38	Department of Veterinary Pathology. (DVM)	Full Accreditation
39	Department of Veterinary Pharmacology. (DVM)	Full Accreditation

2.1.3 Students Industrial Work Experience Scheme (SIWES)

The University had fully complied with the requirements of the Industrial Training Fund (ITF) and the National University Commission (NUC) that Universities should have a functional Students Industrial Work Experience Scheme (SIWES) Unit with a separate SIWES account, vehicle and computerized well furnished offices manned by competent staff. The Master and Placement lists of prospective students in the 2009/2010 SIWES year had been compiled for verification by the students/Departments. The list comprising a total number of 1,840 students had been presented to NUC.

A total amount of ₦15,750,000.00 and ₦16,365,000.00 were released for the 2005/2006 and 2006/2007 respectively for the payment of 1,050 for 2005/2006 and 1,091 for 2006/2007 students in December, 2009 and February 2010. The supervisory allowances from 2005 to part payment of 2009 have been released and disbursed to all beneficiaries.

2.1.4 University of Agriculture, Abeokuta Foreign African Scholarship Scheme (UFASS)

The University of Agriculture, Abeokuta Foreign African Scholarship Scheme (UFASS) was introduced during the review year to strengthen scholarship, research and collaborative efforts within Africa. Scholarships are offered to qualify Africans through the scheme at the following levels:

- (i) **Skills Acquisition Programmes (SAP):** A 6 month intensive programme for high school leavers to acquire basic skills in Agriculture practices in Poultry Management, Horticulture, Aquaculture and Fisheries Management, Veterinary Medicine and Animal Sciences.
- (ii) **Undergraduate Programmes (UP):** A four/five year programme available in various disciplines including Veterinary Medicine, Animal Sciences, Water Resources Management, Fisheries Management, Horticulture, Poultry Management, Natural Sciences and Engineering.
- (iii) **Postgraduate Programme (PGP):** A two year programme leading to Master degree or 3 year programmes leading to Doctorate degrees in various disciplines as in (ii) above.
- (iv) **Post Doctoral Programme (PDP):** A one year programme in any of the various disciplines mentioned in (ii) above.

2.1.5 Skills Acquisition Programmes

As part of its mission to provide facilities and expertise that will propel the growth and development of small and medium enterprises (SME) through sustainable quality, effective and dynamic entrepreneurial coaching, that will produce and equip students and professionals with modern technologies, the Centre for Entrepreneurial Studies, UNAAB is providing a platform for technology-driven and industry-tailored training of professionals to make them relevant and industry ready in the contemporary global economy; and contribute towards socio-economic and human development in the following areas:

	COURSE	CERTIFICATION
1	Animal Production	Certificate
2	Poultry Management	Certificate
3	Animal Science	Certificate
4	Animal Health	Diploma
5	Animal disease Prevention	Certificate
6	Domestic pest management & crop protection	Certificate/ Diploma
7	Seed production Technology	Certificate/Diploma
8	Apiculture	Certificate
9	Soil Science and Land Management	Diploma
10	Fish Hatchery Management	Diploma
11	Fish Culture and Farm Management	Certificate
12	Fabrication of Agricultural Machines	Certificate
13	Maintenance of Small Machines	Certificate
14	AutoCAD training for machines	Certificate
15	Design and Fabrication of Process Equipment and Plants	Diploma
16	Bricklaying	Certificate
17	Carpentry	Certificate
18	House painting	Certificate
19	Electrical Installation and repair work	Certificate
20	Computer Hardware Installation and Repair	Certificate
21	Winding of Electrical Machine	Certificate

	COURSE	CERTIFICATION
22	Radio, TV and GSM Servicing	Certificate
23	Electricity Generation and Energy utilization	Certificate
24	Welding and Fabrication	Certificate
25	Refrigeration and Air-conditioning	Certificate
26	Auto-mechanic	Certificate

2.1.6 Research

The University places research central to her operations and thus encourages serious research activities to address many problems plaguing our agricultural and other production sectors. This is done through individual and coordinated researches efforts.

2.1.7 The Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR)

Following the establishment of the Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR) in December 2009, one of the first activities was to conduct Diagnostic Survey of the University's 8 Mandate States of Edo, Delta, Ekiti, Lagos, Ogun, Ondo, Osun and Oyo. This was followed by the constitution of Research Committees to develop the Research Agenda for each of the 8 Research Programmes of the Institute.

Research agenda were prepared to address among other things problems identified through the diagnostic survey. Thereafter, there was a Call for Proposals in 2010 which generated considerable interest within the University's Academic Staff and several research topics were submitted. Fifty-two Multi-disciplinary Research Projects which spread over the 8 Research Programmes were eventually selected and awarded Grants totalling ₦17,000,000.00.

2.1.8 ARC Research Grants

The Agricultural Research Council of Nigeria published a Call for Proposals to which UNAAB Staff were encouraged to respond. Of the 22 proposals facilitated by IFSERAR, seven (7) were successful and were given ARC Research Grants of a total sum of one hundred and forty seven million, eight thousand, two hundred and ninety nine Naira, twenty seven Kobo only (₦147,008,299.27).

There were other Special Projects carried out in 2010. These were:

- South African Maize Trial
- Establishment of 1,200 stands of plantain
- Planting of 2,500 stands of Eucalyptus as future windbreak
- Building an accession base and evaluation of tomato (*Lycopersicon esculentum* Mill) lines for desirable agronomic traits

2.1.8.1 Linkages

Research Linkages with other National Agricultural Research Institutes (NARIs) was actively pursued. Realizing the strategic significance of the Agricultural Research Council of Nigeria (ARC) as a research funding agency of Government and as the coordinating body of all NARIs, discussions on possible linkage with IFSERAR resulted in the drafting of a Memorandum of Understanding which is pending with ARC.

2.1.8.2 Administration

The initial administrative challenges faced by the Institute were considerably reduced with the appointment of Acting Programme Leaders, employment of Research Staff, provision of a 4-wheel

drive Toyota double cabin Pickup, an eighteen seater bus, tractor and some essential farm implements by the University Administration

2.1.8.3 Farm Operations 2010

Research work at IFSERAR farm during the review year involved crops such as Maize, Soyabean, Plantain and Vegetables. A total of 15 ha was planted these crops. An area of 5 ha was planted to pasture for the Muturu Project, while 27 ha cleared for the Kalahari Red Goat Project.

2.1.9 Biotechnology Centre

The Biotechnology Centre was created in 2003 to provide Central Biotechnology Laboratory facilities for the Colleges. It is a Centre where both staff and Postgraduate students can conduct their research in biotech-related studies. The Centre is meant to provide equipment and environment that are otherwise not available in the Colleges. As modern biotechnology research has had far reaching impact on agriculture, medicine and industry in developed countries, the Centre had strived to assist in the conduct of research studies that will enhance the biotechnological knowledge of both staff and students, a knowledge that might lead to breakthrough in crop, livestock and food quality improvements in our country. To achieve this local aims, the Centre had allowed for undergraduate and post-graduate practical classes that are biotech-related and staff research to be conducted at the Centre. Both Undergraduate and Postgraduate students' projects are conducted at the Centre and staff trainings are also conducted intermittently.

Further vision of the Centre is to be eminent, nationally and internally recognized for research and development in all areas of where biotechnology is applicable and to provide state-of-the-art facilities that would enable multidisciplinary research in biotechnology. To achieve these, the Centre had strived to establish national and international research links and collaborations. National and international linkages have been achieved largely through invitation of biotechnology experts from developed countries to conduct training for our students and staff, and other biotechnologists from outside our University.

Staffing and Facilities

Recently, the staffing position of the Centre has improved tremendously to 12, comprising a Director, 3 research fellows, 6 technologists, a secretary, a driver and a clerical officer.

In 2009/2010, the infrastructural capacity of the Centre increased tremendously. The Unit now has a new building, courtesy Education Trust Fund of Nigeria. There are now four laboratories designated as Food Biotechnology, Plant Biotechnology, Animal Biotechnology and Bioinformatics laboratories. Each of the laboratories, is now fairly well equipped. This tremendous improvement was through the STEP-B grant award for capacity building in Biotechnology. To complement the equipment level, the Unit now has a bore-hole for consistent supply of water and a stand-by electricity generator of high capacity.

Major Activities at the Centre

Academic

Training Courses This is a major activity of the Centre. There has always been yearly Summer Course in Biotechnology since 2004. From 2009, 5 training courses were held. These training Summer

Courses have usually attracted number of world-class biotechnology experts to UNAAB to assist as resource personnel for imparting biotechnology knowledge into participants.

- 2009: Basic Molecular Biology Techniques for DNA Technology 12th -18th July, 2009. Number of Participants 80
Resource Person: Dr. Alex Ochem
Dr. (Mrs.) Nwadiuto Esiobu
- 2009: Functional Proteomics and Genomics October, 2009.
Number of Participants 40
Resource Persons: Dr. M. Wick
Dr. (Mrs.) C. Wick
- 2010: Polymerase Chain Reaction, Protein Analytical Techniques and Their Application 4th -8th October, 2010.
Number of Participants 51
Resource Person: Prof. Jim Starr

Research: Research in the Centre has been restricted mainly to post-graduate research for Master's and Doctorate degrees. With the large increase in the equipment level and knowledge in biotechnology methodologies, more staff have used the laboratory for their research work. Consistently, staff from Microbiology, Biochemistry, Animal Breeding and Genetics, Plant Virology, Plant Physiology and Chemistry Departments has used the facilities of the Centre. The years 2009/2010 saw a steep increase in the request for the use of the Centre's facilities by both post-graduate students and staff of the University.

In 2009, 18 undergraduate students and post-graduates used the Centre's facilities. In 2010, 52 undergraduate and postgraduate students conducted their research projects at the Biotechnology Centre.

2.1.10 Inter University Linkages

UNAAB is currently engaged in inter University linkages with several reputable institutions. Some of the collaborating institutions are:

1. Cornell University, Ithaca, New York USA (June 6, 2009)
2. The Ohio State University, Columbus, Ohio USA (September 9, 2009)
3. Nottingham University, United Kingdom (October 23, 2009)
4. University of Alberta, Canada (October 30, 2009)
5. Indian Institute of Energy Management, Chennai India (December 12, 2009)
6. MOI University, Eldoret Kenya (September, 2010)
7. University of Liberia, Liberia (June 11, 2010)
8. Reactivation of MOU with Mendel University of Agriculture and Forestry, Mendel 2010.
9. National Water Research Institute, Kaduna (March 17, 2010)
10. Ancharya N. G. Ranga Agricultural University (ANGRAU) (December, 2010)

Some of the partnerships have started to yield staff exchange opportunities for UNAAB staff especially in the College of Plant Science (COLPLANT) and the College of Agricultural Management and Rural Development (COLAMRUD).

2.1.11 University Library

The achievements of the library during the period under review include:

- i. Appointments of 16 professional librarians
- ii. Creation of Automation Section
- iii. Establishment of an e-Library with the acquisition of 72 wireless computers
- iv. Acquisition of more books into the library
- v. Sponsorship of staff for training/development and professional conferences locally and abroad
- vi. Improved services to library clientele.
- vii. Creation of 2 College Libraries (i.e. at the College of Veterinary Medicine and the College of Natural Sciences)
- viii. Establishment of INHURD library
- ix. Books, journals and personal documents donated to the library by the pioneer Vice-Chancellor Professor 'Nimbe Adedipe.
- x. Creation of 'Nimbe Adedipe Agricultural Research Collection
- xi. A total sum of thirty million naira (N=30m) Education Trust Fund (ETF) was approved for the procurement of books, journals laptops computers, library furniture and equipments.

2.1.12 Extension/ Community Development

2.1.12.1 The Agricultural Media Resources and Extension Centre (AMREC)

The University of Agriculture, Abeokuta, in her quest to offer an adequate public and institutional support to farmers and investors established in 1991 the Agricultural Media Resources and Extension Centre (AMREC). The centre operates through Model Extension Villages:

- (a) for testing latent agricultural technologies available for the zone (South-West)
- (b) as study villages on extension models
- (c) for training of students in practical extension

The Centre has been pro-active and played participatory roles in knowledge/information initiation in the past year, by facilitating mutually meaningful and knowledge-based implementation of projects among primary producers, private sector practitioners as well as researchers. This has been achieved through the:

- (i) adaptation and dissemination of improved agricultural technologies that could remove the constraints to production, profitability and competitiveness at all level in the value chain of commodities produced by the small scale farmers;
- (ii) facilitation of the empowerment and participation of stakeholders (farmers, private and public organizations, governmental and non-governmental organizations), with special emphasis on farm family members of different ages and gender

- (iii) exploitation of the benefits of capacity building through appropriate institutional supports to address the training of farmers during extension delivery and services.

Achievements of the Centre

The Extension and Adaptive Research Programme of the Centre is made up of a number of sub-programmes established to handle different areas of agriculture in Livestock, Agro-forestry, Crops and Fisheries. The mandate of the Programme is to carry out adaptive research on proven technologies for dissemination through extension and outreach programmes in all its component programmes. Part of the strategies adopted by the Programme in implementing the various activities during the year includes the organisation of trainings, group meetings and interactive visits. Some of the activities and achievements made by the Programme are as follows:

1. Distribution of Improved Varieties of Cassava Stems to Farmers

Through Cassava: Adding Value for Africa (C:AVA) Project AMREC distributed three thousand (3,000) bundles of improved varieties of cassava to farmers groups in 2010. Twenty (20) farmers' groups across 25 Communities in Ogun State benefited from the gesture.

2. Training on Production of wet cake

A total of 288 Village-level processors were trained under C:AVA Project at the Industrial Park Unit (IPU), UNAAB; Olorunda, Isaga-Orile and Agbetu Communities. The objective of the training was to strengthen the capacity of Community Processing Groups and Micro Processors in the production of wet cake for High Quality Cassava and Fufu Flour.

3. Establishment of Cassava Demonstration Plots

AMREC assisted C:AVA Project to establish three demonstration plots of 0.5 hectare each in Isaga-Orile, Imala and Abule-Oba communities in Ogun State. These demonstration plots were established to facilitate shared learning experience among farmers. Skills demonstrated included all agronomic practices in cassava production.

4. Training on Current Trends and Development in Cassava Production

Training on current trends and development in cassava production was organized for farmers' group at Abule-Oba in Odeda local government area of Ogun state. Emphasis was laid on some common errors in cassava cultivation, soil management and conservation; health and environmental hazards in agro-chemical usage as well as economic issues in cassava cultivation.

5. Organizing Farmers' Field Days

AMREC organized farmers' field days on two separate occasions for farmers' groups at Olorunda. The occasions were part of the effort of C:AVA to facilitate learning and sharing of experience among the farmers and stakeholders.

6. Strengthening the Capacity of Farmers' and Processors' Groups

In a bid to strengthen the capacity of both the farmers' and the processors' groups, farm implements like spraying pumps, cutlasses and files were presented to farmers while cassava hydraulic press were presented to processors groups. The donations were done courtesy of C:AVA Project and eight (8) groups were empowered.

7. Establishment of Cassava Multiplication Plot

Through Extension and Adaptive Research Programme, AMREC established three (3) hectares of cassava multiplication plot on campus in August 2010. At maturity, the stems will be

- distributed to farmers in order to further spread the improved varieties across many communities.
8. Improving the participatory capabilities of women, and uplifting the farm-families' socio-economic status and overall wellbeing through
 - Poverty Alleviation and Income generation programmes for farm-family members
 - The Farm-Family Health Project (FFAHEP) including HIV/AIDS prevention and control campaigns among farm-families in Ogun, Oyo, Osun, Ondo and Ekiti states.
 - i. On-campus and village-based demonstration on Utilization of Soyabeans and other food crops for enhancement of farm-children's nutritional status.
 - ii. Training workshops on post-harvest technologies (processing/storage/packaging techniques of high quality gari, lafun, fufu, beans flour, pepper, melon etc).
 - iii. Enlightenment of women group leaders on financial management of the self-help revolving loan scheme and maintenance of women groups' savings account with UNAAB community bank.
 - iv. Monitoring of women's group activities for enhancement of sustainability, improved socio-economic status and conflict management/resolution amongst individuals, families and groups.
 - v. Capacity-building Workshops on alternatives to carbonated drinks using citrus fruits and vegetables
 - vi. Community-Based Capacity-building & Family Health Education for Farm-families in UNAAB Extension Villages
 - vii. Physical Health Assessments, First-Aid/Family Health & Referral services for Farm-families in UNAAB Extension Villages
 - viii. UNAAB Nutrition Education Project (UNEP) for In-school Youths & Farm-families
 - ix. Nestle-funded Farm-Family Health Project in South-west Nigeria
 - x. AMREC-Odeda Local Government funded Adult Literacy Project for farm-families in UNAAB Neighbourhood (Alagbede Adult Literacy Centre, OLG Nursery/Primary School, Opposite UNAAB Main Campus)
9. Achievements through the Training and Farm Demonstration Programme
- One of the major activities of the Agricultural Media Resources and Extension Centre (AMREC), is to organize and coordinate specialized trainings and workshops for farmers, extension workers as well as the other stakeholders in Agriculture within the Southwest catchments area of the University. Through these, the Centre is able to develop appropriate attitudes, knowledge, skills and behavioural patterns required by farmers, extension staff and other people in agricultural development, to perform adequately on a given job. Some of the strategies used by the Training and Farm Demonstration Programme during the reporting period include:
- (i) design of workshops at regular intervals for farmers, extension staff and members of the public;
 - (ii) organization of seminars and conferences specifically for Administrators, Researchers and extension services personnel;
 - (iii) promotion of sustainable collaboration with other research institutes and the ADPs in the Southwest.
10. Training and Farm Demonstration Programme in 2010
- Activities of Training and Farm demonstration Programme in 2010 include:
- (i) Establishment and supervision of soybean farms in Lagos, Ogun, Oyo, Osun, Ondo and Ekiti States;
 - (ii) Fabrication and distribution of threshers to farmers;
 - (iii) Supervision and maintenance of seed extension village project with National Agricultural Seeds Council;

- (iv) Collaboration with Odeda Local Government Council on the establishment and management of 2-hectare plantain plantation and production of cocoa seedlings for Adao, Apena and Kemta communities.
- (v) Organization of a Farmers' Field day
Farmers' field day was organized on Wednesday, September 29, 2010 at Ajegunle-Adao Community. The field-day was aimed at sensitizing farm families on the need to produce certified seeds in each cropping season. The gathering also afforded participants the opportunity to share their knowledge, expertise, experience and skills on the productions of maize and cowpea. Among participants during the field day were Mrs. Atolagbe from NASC Office, Abuja, who represented the Executive Director, Chief. O. J. Shobowale and Mr. Isiwere Segun Robinson, Ogun State NASC Officer.
- (vi) Odeda Local Government Project
Activities of Training and Farm Demonstration Programme in the Odeda Local Government – UNAAB Joint Integrated Project include:
 - Training on dry season Fadama Vegetable production at Adao community on January 26, 2010.
 - Establishment of cocoa nursery at Adao community on March 3, 2010.
 - Establishment of nursery for 5000 cocoa seedlings at Adao Village
 - Handing over of 5000 cocoa seedlings to farmers by the Odeda Local Government Chairman, Honorable Kayode Akintunde, during Farmer's Field Day held on Wednesday June 9, 2010 at Adao Village.
- (vii) Participation in the Stakeholders' Forum on Research Extension Farmers Input Linkage System (REFILS)
The Sectoral Review of OFAR/Extension Proposals for the year 2010 production season was held between 26th and 29th January, 2010 at the National Food Research Agency, Ibadan. The forum brought National Research Institutes (NRIs), ADPs in Southwest Nigeria, Universities, Industries and Farmers together to discuss technology generation, dissemination and utilization among organizations. There was a discussion on, On - Farm Adaptive Research (OFAR) trials to be carried out in the year by each ADPs.
The 2010 edition of REFILS workshop was held between February 23 and 26, 2010 at the Institute of Agricultural Research and Training (IAR&T), Ibadan. AMREC took part in the exhibition of Publications and Agro-products as well as in-depth discussion on OFAR workshop for sustainable agricultural development.

2.1.13 ICT Activities in the University

The University Information Communication Technology and Resource Centre (ICTREC) in the last year underwent a dramatic change in orientation, policy and philosophy of delivery of most elements of this rapidly changing essential tool for the delivery of the tripartite mandate of the University in terms of teaching, research and extension designed to facilitate learning. The centre made tremendous progress during the review year noticeable among which were recorded in the essential areas in the Management Information System Unit, Campus Network Development and Management Unit, Training and ICT Help Desk Unit, Project Development Unit, Open Users and System Maintenance Unit and in the Multimedia Development and Instructional Technology Unit.

1. Management Information System Unit

This unit handles the general management of the University database systems for staff, students, resources and courses. It is responsible for the production of identity cards and responds regularly to requests for student and staff records on regular and routine basis. It is responsible for generating lists of registered students, reports on JAMB and handling of hard and soft copies of various reports for the

administration apart from being the centre of activities connected with scheduling of examinations and the class timetable.

2. Campus Internet Development and Management Unit

The University hub is the computer centre connected with optic fibre cables to seven other building complexes namely COLANIM, COLNAS, COLERM, COLPLANT, COLAMRUCS, SENATE, and RESDEC. The University Library has a direct RJ45 cable link with the Computer Centre. Each building has its Local Area Network with all functional offices structurally cabled. Recently, an on-going wireless cloud was developed and deployed to cover all the Colleges and increase access to the UNAAB network which now complements the hotspots already implemented through Messrs Global Summit as a stop-gap while the bandwidth contract with Gilat was being implemented.

3. UNAAB Website

The University Website was redesigned and ported to a Content Management System to enable Webometric Centre to upload staff and University contents through the Back end facilitate update, maintenance and administration.

Contents of the website were updated as information is made available to keep it up-to-date and relevant, including:

- Integration of Social Media (Facebook, Twitter and Youtube) in UNAAB website.
- Regular update of News and Events in the University sourced from UNAAB Bulletin
- Sending electronic copies of the weekly News Bulletin to
 - All past Vice-Chancellors of UNAAB
 - All Currents Professors in UNAAB
 - Vice-Chancellors of other Universities in Nigeria
- Online job advertisement: Vacant position for Junior and Senior (Academic and non-academic) staff were advertise on the university website.
- School Calendar for the new session
- Examination timetable
- Hostel Accommodation List

Information about the University (such as News, Events, Job vacancies) is current and globally publicized.

Students biased information (school calendar, examination timetable, hostel accommodation list) is also accessible on the internet thereby easing access to such information.

A sub-domain (journal.unaab.edu.ng) was created for UNAAB's Journal (International Journal of Agricultural Sciences, Science, Environment and Technology) using Open Journal System (OJS). OJS is an open source journal management and publishing system used by over 7500 titles worldwide (as of December 2010). The system was configured to publish all the 3 series of the journal (Series A to C), COLNAS Proceedings and selected Postgraduate and Undergraduate Theses.

With this development UNAAB has joined the league of Universities contributing to knowledge worldwide. This is evident with the increase in the number of references to UNAAB in Google scholarⁱ from 3 last year (before the deployment) to 358 as at the time of this report.

The unit developed a web portal to enable prospective students: apply for admission, check post-UME result, admission status, interview details, interview result and ICT Training Group. The following sites were designed and integrated as sub-domains of the university website:

- Interact! (www.unaab.edu.ng/community)
- IFSERAR (unaab.edu.ng/ifserar)
- GRECC (www.grecc.unaab.edu.ng)
- UNAAB's Journal (journal.unaab.edu.ng)
- LIBRARY (library.unaab.edu.ng)
- ASSET (asset.unaab.edu.ng)

4. Training

The Centre made dramatic contributions to computer literacy that cuts across the Campus among students and staff and the training course have become recognised for its achievements in raising computer literacy through various bespoke ICT training programme on Campus and in the ICTREC training Unit now domiciled in LEMCEL building at Oke-Itoku in the heart of Abeokuta with facilities for CISCO Certification and other related ICT courses. Training Program organised by ICTREC include course in Java, Visual Basic.net and Web Design.

5. Multimedia and Instructional Technology Unit

The desire of the University Management is to achieve full multimedia deployment in all classrooms. This has been achieved for only a few of the classrooms and lecture theatres. For the three classrooms that constitute the Julius Amioba Okojie Lecture theatre complex, it is already possible for lectures and any other activities going on in Hall I to be received simultaneously in the other two halls with clear sound and video. The goal is to make the lecture halls accommodate larger classes and provide the state of the art modern classroom technology that will enhance lecture delivery and learning. Today, with a 2,000 seat capacity, the centre is becoming attractive for most activities pulling crowd such as inaugural lectures, matriculation, etc.

6. Examination Monitoring and Invigilation with CCTV Cameras

A new development in the deployment of instructional technology is the extensive monitoring of the e-exams through CCTV cameras which are directed at a widescreen LCD monitors in the two centres for students examination. With this implementation student cheating and other examination malpractices were reduced to the barest minimum.

2.2 WEB RANKING

The University has continued to move up on the World Universities Web Ranking. While the University is not resting on its oars at the level of achievement, it is worthy of note that as at 2009, the Institution was not one of the Universities that was considered for ranking. To correct this anomaly, the University established a Webometrics Centre, which was saddled with the responsibility of enriching the web content of the Institution. This task was made easy by the tremendous improvement in learning, research and extension parameters of the University. We are confident that the University will continue to climb up the World Universities Ranking ladder.

2.3 FACTORS THAT CONTRIBUTED TO OR IMPEDED LEVELS OF SUCCESS ACHIEVED BY THE UNIVERSITY

2.3.1 FACTORS THAT CONTRIBUTED TO LEVELS OF SUCCESS ACHIEVED

2.3.1.1 Staff Recruitment

The University pursued her principle of fairness and equity in filling vacancies available for academic and non-teaching staff positions. All positions were advertised internally and externally. Both internal and external candidates passed through competitive written and oral interviews after which appointment was made. This indeed boosted the morale of staff with resultant renewed dedication to duties.

2.3.1.2 Stabilizing the Academic Calendar

Management was able to mobilize the entire Community to intensify efforts to correct the recurring delayed Academic Session which was disrupted by the four-month long staff industrial strike during the 2008/2009 Session. Academic staff postponed their annual leave and increased contact hours with students while students had to cope with shortened semesters and longer hours of lectures. This has

culminated in the stabilization of the Academic Session. I must commend the dedication and commitment of staff and students in making the stability of the University calendar a reality.

2.3.1.3 Staff Welfare

The University has continued to take staff welfare as a priority. Full salaries (including the negotiated increase by staff unions with the Federal government) of all categories of staff have been paid monthly, not later than the 25th of each month. It is worthy of note that the University did not owe any category of staff as the arrears of the entitlements accruing from salary increases were all paid. Also members of staff due for promotion to higher levels were duly assessed and promoted as at when due. Members of staff were encouraged to attend professional conferences and seminars. The University also provided logistic support to academic and non-teaching staff to attend local and international conferences and seminars.

The University has helped to facilitate Continuous Staff Development for various officers of the University through training courses in Solar energy, Internal Auditing, Strategic Finance, Professional courses in Public Relations, Training course in procurement and Train the Trainer in the following places: London, United Kingdom, South Africa, Dubai, and India from July 2007 to date.

2.3.1.4 Academic Staff Mix

In line with NUC policy on staff requirement, the University has continued to increase the number of academic staff especially in programmes like Engineering, Veterinary Medicine, Computer Science and Mathematics, where lecturing positions are usually hard to fill. Management has continued to provide an enabling environment to increase the percentage of academic staff with PhD degrees. Similarly, the staff mix is being gradually improved to conform to NUC mix ratio.

2.3.1.5 Absence of Cultism

It is important to state here that the University has zero tolerance for cultism and anti-social vices. The University did not record any incidence of cultist activity during the year under review. As part of measures to discourage negative activities, students were engaged in productive recreation, with the provision of a Sports Complex. The University has also introduced a pre-admission screening exercise with panels comprising Socio-psychologists and crime experts to interact with and counsel would-be students on the need to avoid involvement in cultism.

2.3.1.6 Financial Discipline

This administration continued to maintain its policy of budgeting for the University spendings by insisting on budgetary and financial discipline of all units. In order to cope with austere times, aggregate spending was reduced.

2.3.1.7 Developmental strides to improve teaching and learning environment

The University continued to make concerted efforts to improve on the infrastructural facilities on the campus for the purpose of enhancing teaching, research and extension programmes and other activities of the University. During the year under review, more than seventy (70) projects were embarked upon, most of which had been completed. Some of these projects include:

Table 2: Physical Infrastructures and Facilities

S/N	PROJECT	DATE OF AWARD	YEAR OF COMPLETION	SOURCE OF FUNDING	REMARKS
1	Construction of Civil Engineering Building	2009	2010	2009 Capital Allocation	Complete and In-use
2	Construction of Administrative building in	2009	2010	Extra Government	Completed and In-use

	CENHURD			Earnings and other charges	
3	Construction of Library in CENHURD	2009	2010	Extra Government Earnings and other charges	Completed and In-use
4	Construction of Programme Office in CENHURD	2009	2010	Extra Government Earnings and other charges	Completed and In-use
5	Construction of Lecture Theatre 1 in CENHURD	2009	2010	Extra Government Earnings and other charges	Completed and In-use
6	Construction of Lecture Theatre II in CENHURD	2009	2010	Extra Government Earnings and other charges	Completed and In-use
7	Construction of Classroom/Laboratory Block A and B in CENHURD	2009	2010	Extra Government Earnings and other charges	Completed and In-use
8	Construction of Administrative Building (Unity Building)	2009	2010	Extra Government Earnings and other charges	Completed and In-use
9	<u>Construction of Sports Complex Phase II</u> a).Completion of Lawn Tennis Courts b).Completion of Volley Ball Courts c).Completion of Hand Ball Court d).Completion of Basket Ball Court e).Construction of Hockey Pitch f).Purchase of Sporting Equipment and Materials	2009	2010	2009 Capital Allocation	Completed and In-use
10	Fencing of Iyalode Tinubu (Female) Student Hostel	2009	2010	Extra Government Earnings and other charges	Completed and In-use
11	Drainage Network and Interlocking Paved Walkway for Julius Okojie Lecture Theatre Complex	2009	2010	Extra Government Earnings and other charges	Completed and In-use
12	Supply and Installation of 200KVA Perkins Sound	2009	2010	Extra Government	Supplied and In-use

	Proof Generators			Earnings and other charges	
13	Supply and Installation of 2No. 100KVA Perkins Sound Proof Generators	2009	2010	Extra Government Earnings and other charges	Supplied and In-use
14	Construction of Biotechnology Centre and Central Laboratory Building (Block B)	2009	2010	2008 ETF Intervention	Completed and In-use
15	Construction of Comfort Station A	2010	2010	Extra Government Earnings and other charges	COMPLETED
16	Construction of Comfort Station B	2010	2010	Extra Government Earnings and other charges	COMPLETED
17	Construction of Crop Labour Line Accommodation for Farm Centre	2010	2010	FGN CAPITAL 2010	COMPLETED
18	Construction of One (1) Block of Classrooms for UNIS	2010	2010	Extra Government Earnings and other charges	COMPLETED
19	Rehabilitation of Home Science Practicum Building	2010	2010	Extra Government Earnings and other charges	COMPLETED
20	Covered Link way for the Unity Buildings	2010	2010	Extra Government Earnings and other charges	COMPLETED
21	Supply & Installation of Office Furniture and Curtains (INHURD)	2010	2010	Extra Government Earnings and Other Charges	COMPLETED
22	Supply & Installation of Classroom Furniture & Lecture Theatre Seats for INHURD	2010	2010	Extra Government Earnings and Other Charges	COMPLETED
23	Supply & Installation of 500KVA Transformer & Extension of 11/0.45kva TO Service Abudu, Pension, PR & Audit Building	2010	2010	Extra Government Earnings and Other Charges	COMPLETED
24	Supply & Installation of	2010	2010	Extra	COMPLETED

	500KVA Transformer & Extension of 11/0.45 KVA to Service College of Engineering			Government Earnings and Other Charges	
25	Installation of CCTV for JAO 1-3 & MPB 1-4	20101	2010	Extra Government Earnings and Other charges	Supplied, Installed and in-use
26	Supply & Installation of Classroom Furniture & Lecture Theatre Seats for INHURD	2010	2010	Extra Government Earnings and Other	ON-GOING
27	Supply and Installation of 500KVA Transformer to the Sports Centre/2500 Capacity Auditorium	2010	2010	Extra Government Earnings and Other Charges	ONGOING
28	Supply and Installation of 415 V Service Line and Underground cables to the Sports Centre/2500 Capacity Auditorium	2010	2010	Extra Government Earnings and Other Charges	ONGOING
29	Supply and Installation of 30KVA inverter (2 Units)	2010	2010	Extra Government Earnings and Others Charges	COMPLETED
30	Supply and Installation of APC Smart UPS: 30KVA for ICT Resource Centre	2010	2010	Extra Government Earnings and Others Charges	COMPLETED
31	Supply Tools and Consumables for ICT	2010	2010	Extra Government Earnings and Others Charges	COMPLETED
32	Supply and Installation of 60KVA Claude Lyons Stabilizer for ICT Resource Centre	2010	2010	Extra Government Earnings and Others Charges	COMPLETED
33	Supply and Installation of Laboratory Furniture for the Institute for Human Resources Development (INHURD)	2010	2010	Extra Government Earnings and Others Charges	Supplied, Installed and In-use
34	Supply and Extension of High Tension Lines to IFSERAR	2010	2010	Extra Government Earnings and Others Charges	COMPLETED
35	Construction of Interlocking Paved Walkways (Zone C)	2010	2010	FGN CAPITAL 2010	COMPLETED
36	Construction of Interlocking Paved	2010	2010	FGN CAPITAL 2010	COMPLETED

	Walkways (Zone B)				
37	Procurement of Steel Library Shelves for the Institute for Human Resources Development (INHURD)	2010	2010	Extra Government Earnings and Others Charges	Supplied, Installed and In-use
38	Construction of Post Graduate School	2009	-	Extra Government Earnings and Other Charges	ONGOING
39	Construction of College of Food Science and Human Ecology Building (COLFHEC)	2010	-	FGN CAPITAL 2010	ONGOING
40	Construction of College of Environmental Resources Management (COLERM) Building (Phase II)	2010	-	FGN CAPITAL 2010	ONGOING
41	Construction of 2500 Seater Auditorium	2010	-	FGN CAPITAL 2010	ONGOING
42	Erosion Control Works	2010	-	FGN CAPITAL 2010	ONGOING
43	Construction of Administrative Building for International Scholars & Exchange Programme Centre	2010	-	FGN CAPITAL 2010	ONGOING
44	Construction of Academic Building for International Scholars & Exchange Programme Centre	2010		FGN CAPITAL 2010	ONGOING
45	Construction of Library/ICT & Museum for International Scholars & Exchange Programme Centre	2010		FGN CAPITAL 1 2010	ONGOING
46	Construction of Guest House for International Scholars & Exchange Programme Centre	2010		FGN CAPITAL 2010	ONGOING
47	Construction of Administrative Building for Farm Centre	2010		FGN CAPITAL 2010	ONGOING
48	Construction of Farm Centre-Restaurant Building	2010		FGN CAPITAL 2010	ONGOING
49	Construction of Lecture Rooms for Farm Centre	2010		FGN CAPITAL 2010	ONGOING
50	Construction of Agro-Market for Farm Centre	2010		FGN CAPITAL 2010	ONGOING
51	Construction of Senior	2010		FGN CAPITAL	ONGOING

	Staff Accommodation Building for Farm			2010	
52	Construction of Poultry Building for Farm Centre	2010		FGN CAPITAL 2010	ONGOING
53	Construction of Ruminant Building and (Sheep and Goat) for Farm Centre	2010		FGN CAPITAL 2010	ONGOING
54	Construction of Ruminant Building (Cattle) For Farm Centre	2010		FGN CAPITAL 2010	ONGOING
55	Construction of 2000 Capacity Auditorium	2010		ETF 2009/2010	ONGOING
56	Construction of Livestock Processing Building Complex	2010		ETF/2009/2010	ONGOING
57	Construction of Concrete of Concrete Culverts LOT A	2010		Extra Government Earnings and Other Charges	ONGOING
58	Construction of Concrete Culverts LOT B	2010		Extra Government Earnings and Other Charges	ONGOING
59	Construction of Concrete Culverts LOT C	2010		Extra Government Earnings and Other Charges	ONGOING
61	Construction of Student Hostel Block A	2010		FGN CAPITAL 2010	ONGOING
61	Construction of Student Hostel Block B	2010		FGN CAPITAL 2010	ONGOING
62	Construction of Prototype Female Hostel	2010		DONATION BY RT HON. DIMEJI BANKOLE	ONGOING
63	Construction of Prototype Male Hostel	2010		DONATION BY RT HON. DIMEJI BANKOLE	ONGOING
64	Construction of Administrative building B (Unity Building)	2010		DONATION BY RT HON. DIMEJI BANKOLE	ONGOING
65	Re-grassing of the Football Pitch	2010		Extra Government Earnings and Other Charges	ONGOING
66	Flowering and Grass Planting from The Oba Lipede to ICT Resource	2010		Extra Government Earnings and	ONGOING

	Centre			Other Charges	
67	Construction of Institute of Food Security, Environmental Resources & Agricultural Research Building (IFSERAR)	2010		ETF 2009/2010	ONGOING
68	Construction of Erosion and Flood Control at The Female Halls of Residence area, COLNAS and Chief Tony Anenih Multipurpose Buildings	2010		FGN CAPITAL 2010	ONGOING
69	Completion of Bukateria for Junior and Senior Staff	2010		Extra Government Earnings and Other Charges	ONGOING
70	Construction of Fence, Gate, Entrance Gate and Adjoining Facilities at INHURD	2010		Extra Government Earnings and Other Charges	ONGOING
71	Construction of Student Hostel at INHURD (BLOCK A)	2010		Extra Government Earnings and Other Charges	ONGOING
72	Extension of the Vice-Chancellor's Office	2010		Extra Government Earnings and Other Charges	ONGOING
73	Erosion Control Works at the International Scholars and Exchange Centre	2010		FGN CAPITAL 2010	ONGOING
74	Construction of Zoological Garden	2010		ETF 2010 (Special)	ONGOING
75	Construction of 500 Seater Central Computer Laboratory Building, 500 PC Hard wares and related items	2010		ETF 2010 (Special)	ONGOING
76	Construction of Veterinary Teaching and Research Farm Facilities	2010		FGN CAPITAL 2010	ONGOING
77	Construction of Sports Complex (Phase 3) Grand Stand	2010		FGN CAPITAL 2010	ONGOING
78	Reconstruction of Ceremonial Road	2010		FGN CAPITAL 2010	ONGOING

2.3.2 FACTORS THAT IMPEDED OPTIMAL PERFORMANCE

Our successes are not without challenges. The major challenges hampering optimal performance are enumerated below:

2.3.2.1 University Funding

The major challenge is dwindling level of funding from the Federal Government against the backdrop of increasing demand for quality education delivery. Therefore, there is need for injection of adequate funds to the University to fundamentally address cost of running generators arising from epileptic power supply; maintenance of deteriorating access and other intra campus roads; maintenance of physical infrastructures, beautification of environment, upgrading of teaching and laboratory facilities and re-invigoration and improvement of plantations on the large expanse of University land. The University had to augment general overhead expenditure by 86.11% in 2008/2009 and 82.60% in 2009/2010.

The University has therefore embarked on a realistic strategy to generate additional funds to meet its overhead cost. This drive has really paid off in the past four years, with the University generating over ₦1 billion in 2009/2010 (Table 2). I want to assure the audience today that funds and grants received by this University had been and would continue to be judiciously spent in tandem with government's due process.

PERCENTAGE OF TOTAL EXPENDITURE FROM GOVERNMENT GRANTS AND EXTRA GOVERNMENT EARNINGS

Year	Total Overhead Expenditure ₦	Federal Govt. Overhead Grants ₦	% of Expenditure from Govt. grants	Total IGR Generated ₦	% of Expenditure from IGR	% of Overhead Expenditure Outstanding for Settlement
2002/2003	153,541,920	23,027,868	15.00	127,280,237	82.90	2.11
2003/2004	267,521,814	32,893,508	12.30	231,104,488	86.39	1.32
2004/2005	278,922,423	67,059,463	24.04	214,433,046	76.88	-0.92
2005/2006	407,911,133	124,850,398	30.61	251,298,802	61.61	7.79
2006/2007	337,925,555	45,088,988	13.35	338,969,753	101.00	-13.66
2007/2008	463,223,503	103,614,207	22.37	637,047,073	137.53	-59.90
2008/2009	599,739,486	83,273,365	13.89	705,641,876	117.66	-31.55
2009/2010(18mths)	1,091,757,258	189,992,474	17.40	1,433,643,229	131.32	-48.72
TOTAL	3,600,543,092	669,800,271		3,939,418,504		

2.4 ASSESSMENT OF PERFORMANCE INDICATORS OF THE UNIVERSITY DURING THIS ADMINISTRATION

2.4.1 Students

Information on statistics of students' enrolment, graduate output, attrition and retention between 2003 and 2010 show a general improvement on all counts (Table 4).

2.4.1.1 Enrolment

The students' population increased from 5674 in 2003 to 9342 in 2010. This is attributable to the official increase in admission figure by the Joint Admission and Matriculation Board {JAMB} resulting from addition of teaching and learning facilities in the University.

2.4.1.2 Graduate Output

The output of graduates in the University increased yearly from 783 in 2003/2004 Session to 1522 in 2009/2010 Session. This can be attributed to increased facilities for teaching and learning coupled with pro-active management policies aimed at ensuring increased pass rate.

2.4.1.3 Attrition

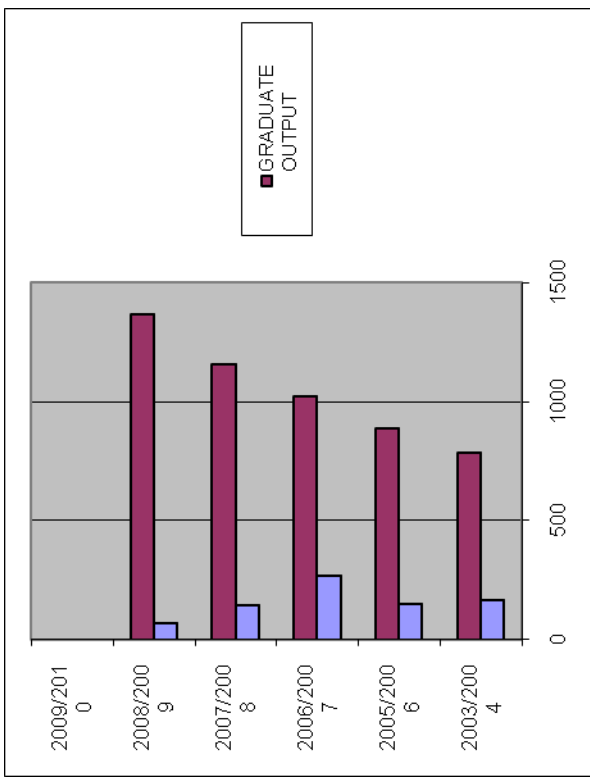
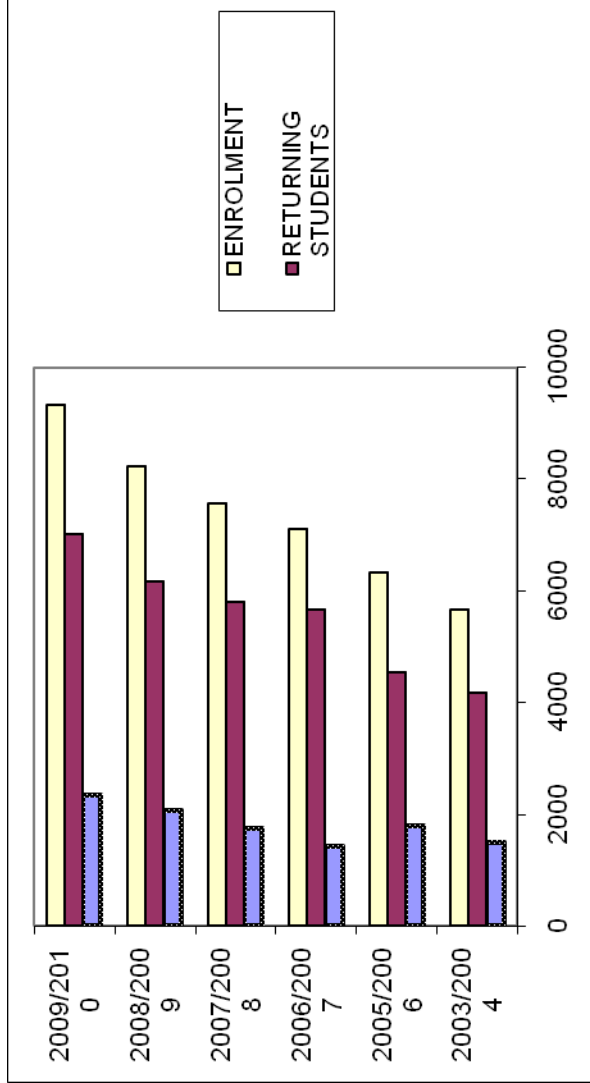
Attrition refers to number of students who had to withdraw as a result of poor academic performance. Out of a population of 5674 in 2003/2004, a total of 169 students were withdrawn from the University (2.98% attrition rate), while in 2009/2010, 94 students were asked to withdraw out of a student enrolment of 9342 (1.01% attrition rate).

2.4.1.4 Retention

Student retention had been on the increase from 4722 in 2003/2004 to 6796 in 2008/2009 and 7736 in 2009/2010.

TABLE 4: STUDENTS DATA / INFORMATION

S/N	YEAR	STUDENT INTAKE	RETURNING STUDENTS	ENROLMENT	ATTRITION	GRADUATE OUTPUT	RETAINED STUDENTS
1	2003/2004	1,497	4,180	5,674	169	783	4,722
2	2005/2006	1,787	4,536	6,323	148	885	5,290
3	2006/2007	1,429	5,675	7,104	268	1,022	5,814
4	2007/2008	1,746	5,813	7,559	146	1,157	6,256
5	2008/2009	2,067	6,166	8,233	179	1,414	6,640
6	2009/2010	2,582	6,398	8,980	117	1,522	7,341
7	2010/2011	2,661	7,064	9,725			



2.4.2 Academic Staff

2.4.2.1 Staff Strength

There was an appreciable increase in number of Academic staff in the University from 2007, from a figure of 403 in 2007 to 516 as at December, 2010.

2.4.2.2 Staff Without PhD

The number of staff without PhD reduced from 201 in 2007 to 183 as at December, 2010.

2.4.3 Academic Programmes

2.4.3.1 Number of Academic Programmes

The number of Academic Programmes increased from 20 in 2007 to 22 as at December, 2010.

2.4.3.2 Accreditation Status of Programmes

There was an increase in number of programmes that attained full accreditation in 2010 when compared with that of 2007. A percentage increase of 26.17% was achieved during this period. However, twelve (12) Programmes are due for accreditation and are awaiting NUC Visitation.

2.4.4 Number of Colleges and Departments

An additional College was added to the number of Colleges that existed in 2007, from 7 Colleges to 8, while the number of Departments increased from 38 in the 2007/2008 Session to 40 in the 2010/2011 Session.

2.5 ASSESSMENT OF NUC SUPPORT

The National Universities Commission has been of tremendous support to the University in its supervisory and advisory roles. During the year under review, the University received three major visits from the NUC. These were the NUC visitation on Post-graduate Audit between Wednesday, 17th November, 2010 and Saturday, 20th November, 2010; the NUC visitation for Resource Verification of two (2) new Programmes, the Agricultural Administration and Foodservice and Tourism. The activities of the Commission have helped to keep us on our toes, helping to make UNAAB a centre of excellence. However, the spate of slow response to requests to NUC is a phenomenon that needs to be changed, as this affects plans of the University to develop at its own rapid pace.

2.6 BUDGET PERFORMANCE OF THE UNIVERSITY

Table 5: Summary of budget performance report for the year ended 31st December, 2010.

	PARTICULARS	BUDGET	ACTUAL	VARIANCE	% DIFF.	REMARKS
	REVENUES	₦	₦	₦		
1	Personnel Cost	4,450,253,219.00	4,334,304,246.58	-115,948,972.42	-2.68	Unfavourable
2	Overhead Cost	88,067,198.00	96,788,930.01	8,721,732.01	9.01	Favourable
3	ETF Grants	141,101,250.00	118,101,250.00	-23,000,000.00	-19.47	Unfavourable
4	Direct Teaching & Laboratory Cost	38,909,336.00	42,752,587.15	3,843,251.15	8.99	Favourable
5	Research Grants & Aids	2,500,000.00	2,697,620.00	197,620.00	7.33	Favourable
6	Private Enterprises, Govt. Agencies & NGOs	5,000,000.00	1,000,000.00	-4,000,000.00	-400.00	Unfavourable
7	Extra Govt. Earnings	1,011,668,460.00	841,309,385.61	-170,359,074.39	-20.25	Unfavourable
	GRAND TOTAL (REVENUES)	5,737,499,463.00	5,436,954,019.35	-300,545,443.65	-5.53	Unfavourable
	EXPENDITURES					
1	Departmental Expenditure	68,019,266.00	37,563,399.06	30,455,866.94	44.78	Favourable
2	Departmental Special Recurrent Expenditure	176,363,888.75	92,042,312.48	84,321,576.27	47.81	Favourable
3	Works & Services - General Maintenance Costs	82,000,000.00	104,409,034.31	-22,409,034.31	-27.33	Unfavourable
4	Capital Expenditure from Recurrent Funds	369,400,000.00	439,154,313.44	-69,754,313.44	-18.88	Unfavourable
5	Personnel Cost	4,334,304,246.58	4,032,786,682.46	301,517,564.12	6.96	Favourable
6	General Administrative Expenditure	218,620,000.00	220,964,272.12	-2,344,272.12	-1.07	Unfavourable
7	General Academic Expenditure	156,800,000.00	162,124,520.17	-5,324,520.17	-3.40	Unfavourable
8	Investment from Recurrent Funds	36,000,000.00	17,373,926.15	18,626,073.85	51.74	Favourable
	GRAND TOTAL (EXPENDITURES)	5,441,507,401.33	5,106,418,460.19	335,088,941.14	6.16	Favourable

The budget performance report for the year ended 31st December, 2010 shows that the total revenue of the University was unfavourable, with a negative variance of ₦300,545,443.65 while the total expenditure was favourable with a positive variance of ₦335,088,941.14. On the revenue side, it was observed that the expected revenue to cover personnel costs was not met by 2.68%, while expected ETF Grants was short by 19.47%. Funds expected from private enterprises, government and non-government agencies which was estimated to yield ₦ 5,000,000.00 was short by 400%, while Extra-Government Earnings was short of the expected by 20.25% at the end of 2010. The short fall in some of the expected revenues for the year under review resulted in an overall deficit of ₦300,545,443.65 in the expected total revenue of the University. However, the actual total expenditure of the University had a positive variance 6.16% from the budgeted as the Institution expended less funds than projected in 2010. Sub-Heads of the expenditure profile showed that Departmental Expenditure and Departmental Special Recurrent Expenditure had positive variances of 44.78% and 47.81% respectively. Also, Personnel Cost and Investment from Recurrent Funds had a positive variance of 6.96% and 51.74% respectively. On the other hand, Works and Services – General Maintenance Costs over-shot the expected figure by 27.33%. Capital Expenditure from Recurrent Funds also had a negative variance of 18.88%, while General

Administrative Expenditure and General Academic Expenditure experienced a negative variance of 1.07% and 3.40% respectively.

2.7 OTHER MATTERS CONCERNING THE UNIVERSITY

2.7.1 Current Status of Land Acquisition and Compensation in UNAAB

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The University of Agriculture, Abeokuta (UNAAB) was established in 1988 with a tripodal mandate of Teaching, Research and Extension. The location of UNAAB falls within longitude 3°21" and 3°23"E, latitude 7°12" and 7°18"N. The total area approved for the university is 9,700 hectares. The permanent site of the University was acquired through the revocation of Rights of Occupancy Notice in accordance with section 28 (i) 28 (2) and 28 (4) of the Land Use Decree No 6 of 1978 by Ogun State Military Government. The land was thereafter gazetted in Ogun State Government Gazette Vol. 11, No 43 of 23rd October, 1986.

The topography of the area is undulating with many seasonal streams across the site. As at now the University has a perimeter map at scale 1:25,000 and topographical map at 1:5,000 of 17 sheets all in analogue form. The Aerial Photographs were taken by Kenting Africa Ltd. in 1972. These Perimeter and Topographical maps were lodged with the Ogun State Ministry of Lands and Housing, Abeokuta. In accordance with the decree, an assessment of the crops and structures on the land as at the date of revocation was carried out between 1989 and 1991 by the State Ministries of Lands, Housing and Agriculture and Natural Resources to determine the amount of compensation payable. Based on the result of the enumeration and valuation, compensation amounting to a total sum of ₦ 18,767,896.48 was paid to about 95% of the people displaced, while about 5% consisting of Budo Aiyetoro Community are requesting for excision. Following series of meetings involving the traditional leadership, the Ogun State Government and the Villagers, the community allowed that valuation and enumeration be carried out but however refused to collect the compensation.

For the University to have full possession and control of its permanent site, the Ogun State Military Government ordered and supervised the demolition exercise, some members of Budo Aiyetoro Community pleaded with the University through the Alake of Egbaland to be paid compensation. Thus 96 out of the 118 identified owners were paid a total sum of ₦ 537,120.00 as compensation.

In 1992, litigation was initiated in an Ogun State High Court by Chief R.A. Odunjo and five others on behalf of Budo Aiyetoro Community against the Attorney-General of the Federation, Federal Ministry of Works and Housing and UNAAB. The Ota High Court gave judgement on the matter and ruled that the claim submitted by the plaintiffs be verified and paid within 4 months from 23rd July, 1999. However, the people should not be displaced until the compensation has been paid and that an amount of ₦1m be paid to the plaintiffs as damages of personal effects.

At a meeting held in September, 1999 between UNAAB, the external solicitors and the legal team from the Federal Ministry of Agriculture and Rural Development at UNAAB in respect of the judgment, it was agreed that the Federal Ministry of Works should determine the compensation payable to the people. In line with this, Mr. C.C. Ezeaku visited the area and submitted an assessment compensation figure of ₦ 20, 632,955.04 to UNAAB through the Federal Ministry of Works. The assessment however did not indicate how the figures were arrived at and efforts to obtain the details of assessment report and recommendation from the Federal Ministry of Works and Housing proved abortive.

Since then, various meetings have been held between February 2002 and April 2004. The meetings were attended by both the representatives of Budo Aiyetoro Community, UNAAB and solicitors from both sides. In one of the meetings, an offer of ₦8, 697,977.77 was made for crops and structures as against the earlier one of ₦3, 287,409.20. However this offer was rejected by the community. Consequently on the continuous rejection of offers made, the University had no option than to go to the court of appeal which is still a matter of adjudication to date.

In 2006, the acting Vice-Chancellor, Prof. Ishola Adamson led representatives of the University to a reciprocal village meeting at Budo- Aiyetoro. This was sequel to the promise made at earlier meetings held at the University, on the white panel visitation panel. At the meeting, the community requested for 1000Ha of land for:

- i. Preservation of their cultural areas and artefacts
- ii. Land for farming and settlement for living.
- iii. Description of the main campus as Budo Aiyetoro Campus
- iv. Compensation for damaged property with interests.
- v. Request for 5KVA generator and Water Storage Tanks.

The University responded by

- i. Promising to revisit previous pronouncements and reports on the land.
- ii. Re-stating its awareness that compensation offer was done but Chief R.A. Odunjo objected.
- iii. Consultations have been made with prominent figures of the town as a way towards resolving this matter out of court.
- iv. Promising to set-up a joint committee to deliberate and come up with appropriate recommendations.

On the assumption of duty by Prof. O.O. Balogun as the Vice Chancellor in June 2007, the issue of settlement of land acquisition became one of the issues requiring urgent attention. Consequently, the Vice-Chancellor mobilized resources towards settling the issue once and for all and out of court. Traditional rulers also intervened on the issue to proffer lasting solutions to the demands of the concerned community. At the meeting held on Thursday, 19th June, 2008 the University made the following offers to Aiyetoro-Budo Community in settlement of the land acquisition issue:

1. Payment of ₦15,177,837.00 only as full final payment of compensation due on crops.
2. Payment of ₦ 5,000,000.00 only as compensation for those structures that were destroyed.
3. Payment of ex-gratia lumps sum of ₦ 2.5m (two Million, Five hundred thousand naira) only as assistance from the University to the community in order to meet the relocation of shrines and historic site(s) in the affected areas.
4. The University also promised that qualified indigenes of the community shall from time to time receive favourable consideration for employment in the University as exigencies permit.

Despite the many opportunities and incentives offered by the University, the Community is yet to take concrete steps towards a workable agreement. Therefore, the issue of dispute is pending with the status-quo remaining.

The Status of the University Master Plan

In 1988 at the inception of the University, a Master Plan to guide the physical development of the campus-based on an expected maximum student population of 5,000 and a collegiate system of five (5) colleges was put in place. As at that time, the thinking of the founding fathers was to keep the Resident Student population at the lowest possible level. However, provision of accommodation for Farm-Practical-Year (FPY) Students at close proximity to their farms was made. Over the years, population has grown. Presently the student population has doubled bringing challenge of transportation of students to and from campus to the fore. This necessitated a reordering of priorities for more residential accommodation that would increase campus life generally and correspondingly increase productive hours of staff and students. More allocation of funds were deployed and Public Private Investments are encouraged if they are compatible with Federal Government Policy on Build-Operate and Transfer (BOT) Schemes for Students Hostels and Staff accommodation (residential)

The academic core is a Radburn layout concept encompassed with a 2.4km ring road. Accommodated within this core are six colleges, namely: College of Animal Science and Livestock Production (COLANIM), College of Plant Sciences and Crop Production (COPLANT), College of Agricultural Management and Rural Development COLARMRUD), College of Environmental Resources Management (COLERM) and College of Engineering (COLENG). While the remaining two outside along the periphery, are College of Veterinary Medicine (COLVET) located in the northern central of the ring and the newly established college of Food Science and Human Ecology (COLFHEC) sited at the South Central part of the ring. Presently, the University has Eight Colleges in all.

Other existing facilities within the core are the Senate Building, Oba Lipede Multi-purpose Hall (Phase I), Research and Extension Building, Nimbe Adedipe Library, Julius Okojie Lecture Theatre Complex, the ICT Building, Chief Tony Anineh Lecture Hall, College of Engineering Temporary Workshop,

COLENG Lecture Theatre and Department of Civil Engineering Building outside the core and the Periphery are Students' Centre Building, Male and Female Hostels, Chief Olatunde Abudu Building, which house the UNAAB Micro-Finance Bank (UMFB), Directorate of Physical Planning (DPP) and the newly established Procurement Unit (PU), Also newly established structures along the periphery are Pension House, Audit, Public Relations Building, Sports Complex, Central Laboratory and Biotechnology Centre and the Bukateria Phase I (Eateries). Along the stretch of the Periphery to the South East end are the various Trade Unions and Association Trade groups are been allocated to accommodate Academic Staff Union of Universities (ASUU), Senior Staff Association of Nigerian Universities (SSANU), Non-Academic Staff Union of Education and Associated Institutions (NASU), National Association of Academic Technologists (NAAT), Cooperative Thrift and Consumer Society (CT&CS) and others.

On-going Projects (Buildings) along the periphery are the Post Graduate, COLERM Phase II and the 2000 Seater Lecture Theatre, Comfort Stations for the convenience of members of the community within the core area i.e. facility with WCs, Bidets, Wash Hand Basins and showers. Adjoining Chief Olatunde Abudu Building is an Office Complex (Unity Building A – donated by Rt. Hon. Dimeji Bankole and B). Along the 1.4km long ceremonial boulevard, we have the religious facilities (Mosque and Churches), Health Centre and the forest Reserve on one side and on the other side we have the Sports Complex taking up substantially part of the stretch of land. Generally along this road we have recreational and communal facilities. The 2500 seater Auditorium is added on this side as an on-going project.

The Industrial zones that take off from the ring road comprises of the following: Cassava Processing Unit, Bakery, Gari Making Building, Seed Processing Building, Cashew Processing Building and the Fish Cold Room which is now being used as UNAAB Palm Wine Project. Opposite this stretch of facilities is the cashew plantation. Contiguous to the industrial zone is a teaching and research farm. Within the area, we also have the fish hatchery, 3 hectare reservoir/Dam and 12 numbers fishponds. We also have farm center Phase I (housing the farm house), the Goat and Sheep Pen house, Poultry, Ranch. The developed/built up area is about 7.5% of the entire landmass. Other areas are designated into mainly crop farms, livestock farms and forest reservations. The University has constructed a Plantation Village at the centre of the University acquired land closer to the on-going Oil Plantation, Plantain Plantation and Teak Plantation as well as the old Cashew Plantation. Along the Alabata road, the UNAAB International School is situated near the boundary of the Ogun-Oshun River Basin Development Authority. The Nursery and Primary School presently located at Isale-Igbehin would be relocated to this same vicinity as part of the next phase of new development that will come up within the University. A portion of the University land is still occupied by the Aiyetoro-Budo community as a result of the legal dispute over the land. The land in dispute is about 1,575ha while the remaining 8,125ha has been fully occupied by the university.

New additions of projects in the hinterland of the campus are the existing Facilities namely, Farm Centre Phase II – Ongoing Projects comprising Administrative Office Building, Restaurant, Agro-Market Building, Lecture Rooms Building, Labour Line Building, Commercial Poultry Building, Senior Staff Building, Adjoining the Farm Centre Phase II is the on-going construction of the livestock Processing Building and a Comfort station. All these facilities are situated within the Farm Centre Complex. Around the Hostels, we have new existing hostels (Block C and D) and a donation of on-going two Hostels by Rt. Hon 'Dimeji Bankole. As part of the new development, the Institute of Food Security, Environmental Resources and Agric Research (IFSERAR) at Alagbara-plantation village axis would take off with a 64 room office complex proposal, while the first phase for the Centre for Human Resources and Development (CENHURD) now Institute for Human Resource Development (INHUD) have been completed and put to use. The institute complex comprise the following buildings that have been put up; two (2) twin 500 seater Lecture Theatres, Administrative Building with 18 offices, 2 Blocks of Classrooms and Laboratory, and 250 seater library situated at the western end of the University i.e. Iberekodo-Opeji Axis. In other locations we have Works and Services Department Building, Booster Station, Water Reservoir, Power House and the Filling Station. Also, the Staff Quarters are presently used as temporary hostel for UNAAB International School (UNIS), Industrial Park Unit (IPU Ventures) Pure Water project and Nigerian Association of University Women (NAUW) day care centre and crèche. In the same vein, the International Scholars and Exchange Programme Centre Complex is on-

going at the precinct of proposed Vice Chancellor's Lodge and Complex in the next phase of development both within the area earmarked for Staff Quarters' Area.

Since the University is undergoing series of development generally in all areas of endeavour, especially with the addition and creation of a new college and other academic units, it is very necessary to review the original Master Plan of the University. Five Colleges were existing in the original Master Plan, but now there are Eight of them and two new Institutes have also been added IFSERAR (Institute of Food Security, Environmental Resources and Agric Research) and INHURD (Institute for Human Resource Development). The exercise is expected to be all inclusive and participatory by all stakeholders.

2.7.2 The University Strategic Plan

The University Strategic Plan for AD 2000 – 2010 would be due for review in 2011. Consequently, in her proactive tradition, the University has set up committees for the reconfiguration of our academic programmes to improve the marketability of our products as inputs towards eventual review of the document.

2.8 HOW TO IMPROVE FUNDING TO THE UNIVERSITY

2.8.1 Improved Funding of Universities of Agriculture (UAs)

The Universities of Agriculture need special allocations different from conventional Universities in view of their special nature. In view of this, the following proposals for special intervention funding by the Federal Ministry of Agriculture have been advanced:

- 1) Provision of special funds for agricultural research and extension activities in UAs
- 2) Funding support for extension activities that go beyond introducing farmers to new agricultural innovations, to include farm family health programmes e.g. on HIV/AIDS, malaria prevention and nutrition education. The wide catchment areas for extension require infusion of funds which the Ministry's intervention can solve
- 3) Funding support for Research and Development parks for entrepreneurial skills among students, dwellers in extension communities and in the general catchment areas of the UAs
- 4) That the FMAWR funds practical training of students of Agriculture through the establishment of dedicated Teaching and Research Farms, and through funding the development and upkeep of adequate farm infrastructures.
- 5) That the Ministry directs the Agricultural Research Council Of Nigeria to place the UAs on its annual budgetary allocations and ensure that such intervention funds are disbursed appropriately to support research and extension
- 6) The UAs should be involved with the Ministry prior to the enunciation of any policy and programme that would drive the national effort in food production at any given time.
- 7) Research interests of the Ministry should be given as tasks to UAs and should be with strong financial backing by the Ministry,
- 8) The Agricultural Research Council of Nigeria should be represented in the Research and Extension Boards of UAs
- 9) The Ministry should encourage its clients or contract beneficiaries in the private sector to invest in research and extension activities of the UAs as a matter of community services and corporate responsibility. This is what obtains in developed countries.

UNAAB Physical Property Located Outside the Main Campus

S/N o	PHYSICAL PROPERTY	LOCATION	USAGE
1.	Mini-Campus	Isale- Igbein, Abeokuta	Academic and Commercial activities for CENHURD now INHURD (Pre-degree), Staff School and Industrial Park Unit IPU Ventures. The facilities have started relocating to the permanent site, as a result of transfer of the property back to the Anglican Communion.
2.	Executive Lodges	Ibara Housing Estate, G.R.A. Abeokuta.	Official accommodation for the Vice-Chancellor and Pro-Chancellor
3.	Ajura Farms	Ajura Village – about 40km from the Main Campus along Siun/Ogere Remo Road	Commercial Poultry farming under UNAAB/LFN project.
4.	UNAAB/Agro-Allied	Kotopo, Abeokuta	Feedsmill/Poultry farming for commercial activities.
5.	Majekodunmi House	Iberekodo, Abeokuta	Short-term executive Programmes
6.	Oil-Palm Plantation	Eleru-Adubi, Ado-Odo, Ogun State	Commercial farming
7.	Leventis Memorial Centre for Learning (LEMCEL)	Ijemo, Abeokuta	Town and Gown Projects.

3.0 REPORTS FOR POSTGRADUATE SCHOOL, COLLEGES AND CENTRES

3.1 POSTGRADUATE SCHOOL



Professor S.O. Afolami
B.Sc., Ph.D (Ibadan)
Dean, PG School

The Senate of the University of Agriculture, Abeokuta on 16th December, 1992 approved the establishment of the Postgraduate School for the University. The Postgraduate School operates across the Colleges in the University and its activities are guided by regulations approved by Senate and Supervised by the Postgraduate School Board.

The Postgraduate School of the University of Agriculture, Abeokuta (UNAAB) aims to provide postgraduate programmes for producing specialized knowledge and skills leading to an attainment of a high level of expertise in specific fields of agriculture, science or technology by students. The award of a Postgraduate Diploma, Master's or Doctorate (Ph.D) Degree is a permanent testimony to the knowledge acquired.

Organisation and Administration

Activities of the Postgraduate School are guided by regulations approved by Senate and supervised by the Postgraduate School Board. The Dean, Postgraduate School is the Chairman, Postgraduate School Board, assisted by Deputy Dean with administrative support provided by the Secretary, Postgraduate School. Each College has a Postgraduate Committee chaired by the Dean of the College, while the Head of Department chairs each Departmental Postgraduate Committee.

Some Approved Theses/Dissertations Worthy of Public Attention for Solving Problems Hindering National Development in Nigeria or Consolidating Current Achievements

S/N	Names	Gender	Matric No.	Date of Defence	Effective Date of Award	College/Dept.	Degree	Thesis/Dissertation Title
1	SADIKU, Olusola Sidikat	Female	PG03/0203	18-05-09	29-12-09	COLAMRUD/ Agric Ext. & Rural Development.	M.Agric (Agric Ext. & Rural Development)	Assessment of Ogun State Rural Medical Scheme (OGRUMED) and its Benefits to Health of Rural Families.
2	OKE, Florence Oluwakemi	Female	PG06/0146	28-04-09	19-01-10	COLANIM/ Animal Nutrition	M.Agric. (Monogastric Nutrition)	Effects of Yeast and Enzyme Supplementation on the Utilization of Malted Sorghum Sprout or Wheat Offal Based Diets by Broil Chickens.
3	GBOSE, Jabez Olorunwa	Male	PG01/0393	14-04-09	08-01-10	COLERM/ Env. Mgt. & Toxicology	MEMP (Env. Mgt. & Toxicology)	Toxic Effect of Industrial Effluents on Early Life Stages of the African Mud Catfish (<i>Clarias gariepinus</i> Burch. 1822)
4	IGBINOBA, Victor Osamwonyi	Male	PG01/0169	04-06-09	08-01-10	COLERM/ Env. Mgt. and Toxicology	MEMP	Effect of Crude Oil Pollution on Soil Chemical Properties, Growth and Yield of Tomatoes (<i>Lycopersicon esculentum</i> Miller).
5	ADENKAN, Oladapo Adeyemi	Male	PG03/0016	09-06-09	29-12-09	COLFHEC/ Food Science & Technology	M.Sc (Food Science & Technology)	The Effect of Edible Offals and Vegetable Oil on Quality Characteristics of Beef Sausage.
6	OKOLIE, Pius Ifeanyi	Male	PG05/0188	07-12-09	29-12-09	COLFHEC/ Food Science & Technology	M.Sc (Food Microbiology & Biotechnology)	Evaluation of Bacterial Diversity in Palm Wine Fermentation by 16S rRNA Analysis of Microbial Community and Isolate DNAs.
7	OPARA, Christiana Ngozi	Female	PG05/0223	07-12-09	29-12-09	COLFHEC/Food Science and Technology	M.Sc (Food Microbiology & Biotechnology)	Diversity of Bacteria Species in Fermented African Oil Bean Seeds (<i>Pentaclethra macrophylla</i> Benth) by 16SrRNA Gene Sequence.
8	OLUBILE, Olubukola Ibiyemi	Female	PG05/0211	17-12-09	12-01-10	COLNAS/ Microbiology	M.Sc (Medical Microbiology and Public Health)	Phytochemical Screening of <i>Euphorbia hirta</i> Extracts and their Antifungal Activities on Some Dermatophytes.

9	OKENIYI, Michael Olusayo	Male	PG03/0105	COLPLANT /Crop Protection	09-11-09	10-12-09	M.Agric. (Crop Protection)	Evaluation of Cacao (<i>Theobroma cacao</i> L) Clones for Resistance to a Root-Knot nematode, <i>Meloidogyne incognita</i> (Kofoid and White Chitwood
10	ORISAJO, Samuel Bukola	Male	PG05/0225	COLPLANT /Crop Protection	04-02-10	22-03-10	Ph.D (Nematology)	Amelioration of Nematode Parasitism on <i>Theobroma cacao</i> and Plantain (<i>Musa</i> spp., ABB-group cv. <i>Agbagba</i>) with Poultry Litter as Soil amendment During Field Establishment.
11	ODUSAMI, Oluwabusola Fehintola	Female	PG02/0153	28-01-09	01-06-09	COLPLANT/Crop Protection	M.Agric (Plant Pathology)	Pathogenicity of Fungi Associated with Leaf Spot Diseases of Sesame (<i>Sesamum indicum</i>) and their Control with Botanicals in Abeokuta, South Western, Nigeria.
12	IJAOLA, Abolade Adesseun	Male	PG06/0111	08-02-10	13-03-10	COLAMRUD/Agri c. Economics & Farm Mgt.	M.Agric (Agric Economics & Farm Mgt.	Estimating the Ecotourism Value of Obudu Cattle Ranch in Cross River State of Nigeria Using Travel Cost Method.
13	ILORI, Babatunde Moses	Male	PG06/0314	26-01-10	10-02-10	COLANIM/Animal Breeding and Genetics	M.Agric (Animal Breeding and Genetics)	Adaptive Potentials of Pure and Crossbred Turkeys in the Humid Zone of Southwest Nigeria.
14	ONI, Oluwakemi Oluwaremilekun	Female	PG05/0222	13-01-10	27-01-10	COLANIM/Animal Nutrition	M.Agric (Monogastric Animal Nutrition)	Replacement of Wheat Offal with Dried Citrus Pulp in the Diets of Weaner Rabbits.
15	FAYEMI, Peter Olutope	Male	PG05/0308	21-12-09	22-01-10	COLANIM/Animal Nutrition	M.Agric (Monogastric Animal Nutrition)	Effects of Mimosine and Tannin Toxicity on Rabbits Fed Processed <i>Leucaena leucocephala</i> (Lam) De Wit. Leaves
16	ADEWOLE, Fatai Akanni	Male	PG06/0029	16-02-10	13-05-10	COLANIM/Animal Production and Health	M.Agric (Non-Ruminant Production)	Effects of Feeding Frequency on the Reproductive Performance of Two Breeds of Rabbits.
17	SODEKE, Samuel Adeleke	Male	PG06/0179	04-02-10	17-03-10	COLANIM/Animal Production and Health	M.Agric (Non - Ruminant Production)	Effect of Age at Castration on the Performance of Fattening Pigs.
18	IKE, Kelechi Anariochi	Male	PG06/0315	26-01-10	10-02-10	COLANIM/Pasture and Range	M.Agric (Pasture Production Management)	Effect of Storage Period on Chemical Composition and <i>In Vitro</i> Gas Production of Selected Forages.
19	ADEBAYO, Olubusayo Oluyemi	Male	PG02/0007	15-06-09	08-02-10	COLFHEC/ Food Science and Technology	M.Sc (Food Processing & Storage Technology)	Production and Characterization of Fruit Syrup From Black Plum (<i>Vitex doniana</i> Sweet)
20	OLOPADE, Titilayo Adenike	Female	PG05/0206	02-02-10	13-03-10	COLFHEC/ Food Science and Technology	M.Sc (Food Processing & Storage Technology)	Effect of Lemon Grass (<i>Cymbopogon citratus</i> (DC.) Stapf.) Treatments on <i>Aspergillus flavus</i> (SGS-421) and Aflatoxin B ₁ , Contamination of Stored Maize Grains.
21	OMONIYI, Saheed Adewale	Male	PG05/0218	03-02-10	13-03-10	COLFHEC/ Food Science and Technology	M.Sc (Food Processing & Storage Technology)	Chemical Composition, Functional Properties and Storage Stability of Dikanut (<i>Irvingia gabonensis</i>) Flour.

22	Ph.D Degree Students ADELEKE, Mathew Adekunle	Male	PG01/0030	15-12-09	29-12-09	COLANIM/ Animal Breeding & Genetics	Ph.D (Animal Breeding & Genetics)	Fertility, hatchability, Growth Performance and Blood Protein Polymorphism of Nigerian Indigenous Chickens for Broiler Breed Development.
23	ETTU, Rotimi Olatunji	Male	PG05/0114	12-12-09	12-01-10	COLANIM/Animal Nutrition	Ph.D (Ruminant Nutrition)	Utilization of Cocoa Seed Testa and Sorghum Malt Dust-Based Diets by Male West African Dwarf Sheep.
24	JAYEOLA, Omotola Abiola	Male	PG99/0160	15-12-09	12-01-10	COLERM/Forestry and Wildlife Mgt.	Ph.D (Wildlife Ecology)	Epistemology of Distribution and Niche Occupance of Kobus kob (ERXLEBEEN) and Kobus defassa (RUPPELL) in Nigeria National Park.
25	AROGUNDADE, Lawrence Akinola	Male	PG05/0074	10-12-09	22-12-09	COLNAS/ Chemistry	Ph.D(Industrial Chemistry)	Physico-Chemical, functional and Rheological Characterisation of African Yam Bean (Sphenostylis sternocarpa Hochst. Ex A. Rich) Seed Protein Isolates.
26	OKPEKU, Moses	Male	PG05/0190	28-01-10	10-02-10	COLANIM/ Animal Breeding and Genetics	Ph.D (Animal Breeding and Genetics)	Population Genetic Structure and Biodiversity of Indigenous Goats (Capra indicus. L) in Southern Nigeria.
27	OYEBODE, Samsideen Adebowale	Male	PG02/0225	17-11-09	25-01-10	COLERM/ Environmental Management and Agro- meteorology	Ph.D (Agro- Meteorology)	Assessment of Medicinal Plant Species in Olokemeji and Ilaro Forest Reserves of Ogun State.
28	OSUNSINA, Israel Oluyinka	Male	PG00/0238	11-01-10	25-01-10	COLERM/Forestry & Wildlife Management	Ph.D (Wildlife Management)	Anthropomorphic Dimensions of Biodiversity Conservation in Some Nigeria National Parks.
29	UFOEGBUNE, Gideon Chukuma	Male	PG03/0141	02-02-10	02-03-10	COLERM/Water Resources Management and Agro- meteorology	Ph.D (Agro- Meteorology)	Quantitative Modelling of Rainfall Amounts in Different Eco-Climatic Regions of Nigeria.
30	OKONJI, Christopher John	Male	PG99/0214	12-01-10	12-02-10	COLPLANT/ Plant Physiology & Crop Production	Ph.D (Plant Physiology and Crop Production)	Influence of Nitrogen, Phosphorus Application and Grain Legume/Rice Sequence on Performance of NERICA Rice in Northern Guinea Savanna of Nigeria.

3.2 *ACADEMIC COLLEGES*

3.2.1 **COLLEGE OF AGRICULTURAL MANAGEMENT AND RURAL DEVELOPMENT (COLAMRUD)**



Professor S.O. Apantaku
B.Sc. (Nsukka), M.Sc., Ph.D (Carbondale)
Dean, College of Agricultural Management and Rural Development

The College of Agricultural Management and Rural Development is one of the eight Academic Colleges in the University. It is the remaining part of the old College of Agricultural Management, Rural Development and Consumer's Studies (COLAMRUCS) which was created in 1988 out of the then School of Technology of the Old College of Science and Technology, Abeokuta. Currently, the College comprises four academic departments as follows:

1. Department of Agricultural Economics and Farm Management (AEFM);
2. Department of Agricultural Extension and Rural Development (AERD);
3. Department of Communications and General Studies (CGNS).
4. Department of Agricultural Administration (AGAD)



Frontal view of the College of Agricultural Management and Rural Development

The College contributes to the Bachelor of Agriculture degree programme by offering both core and elective courses through its two Departments of Agricultural Economics and Farm Management as well as Agricultural Extension and Rural Development.

ACTIVITIES OF THE COLLEGE

The following were the activities of the College in 2010 session:

1. Lecturers were involved in teaching, research and community/extension services.
2. Departmental undergraduate and postgraduate seminar series.
3. Undergraduate and postgraduate (Master of Agriculture and Doctor of Philosophy) research project defences.
4. Meetings: College Board, College Board of Studies, College Postgraduate Committee, College Internally Generated Revenue Committee meetings.
5. In-House training of College and Departmental secretaries.
6. First College Lecture Series was held.

ACHIEVEMENTS OF THE COLLEGE

1. Three of our lecturers (Mr. D. Akerele, Mr. C. Alarima, Mr. O. Bolarinwa and Mrs P. Abdusalam-Saghir won fellowships awards for doctoral studies at UK, Japan, USA and UK respectively.
2. Dr. E. Fabusoro won a Japanese government fellowship for a postdoctoral research work in Japan.
3. Dr. K. Adebayo's international appointment as Project Manager – Cassava: Adding Value for Africa (CAVA) was renewed.
4. Highest number of First Class (seven) students produced by the College in 2010.
5. Upgrade of facilities at Agricultural Economics and Farm Management Resource, Agricultural Communication, and Communication and General Studies Laboratories.
6. Dr. M.U. Agbonlahor, Dr. (Mrs) B.S. Sotiloye, Dr. (Mrs) C.A. Onifade, Professor M.T. Ajayi, Dr. K. Bolarinwa and Dr. R.A. Oyeyinka attended international conferences in Japan, UK, Mexico, Zambia, Malaysia and Ghana respectively.
7. Facilities are now near perfect (internet service, water and electricity).
8. All our promotion cases made it to Appointments and Promotion Committee for Academic Staff (APCAS) and Appointments and Promotion Committee for Non-Academic Staff (APCONAS) deliberations. (2 Readers (PFQ), 3 Senior Lecturer, and 2 Lecturer I; 1 Chief Accountant, 1 Administrative Officer I and 1 Senior Accounts Officer).
9. Research grant (N14.9 million) awarded to Department of Agricultural Economics and Farm Management by Agricultural Research Council of Nigeria.
10. First College Lecture Series was organized and delivered.
11. Higher graduation rate (>95%).
12. About 50 new publications produced by academic staff in the College (as journal, conference, workshop, seminar and technical papers).

FUTURE PLANS OF THE COLAMRUD

1. There is a plan to have an annex (extension) of the College building.
2. College Lecture Series to continue.
3. Departmental Lecture and Research Seminar Series to be introduced.
4. Landscaping of the College interior and exterior.

3.2.2 COLLEGE OF FOOD SCIENCE AND HUMAN ECOLOGY (COLFHEC)



Professor (Mrs.) F.O. Henshaw
Dean, COLFHEC

The College of Food Science and Human Ecology is a new Academic College in the School. It was created in 2008. Currently, the College comprises four academic departments as follows:

1. Department of Food Science and Technology (FST);
2. Department of Home Science and Management (HSM);
3. Department of Nutrition and Dietetics (NTD); and
4. Department of Foodservice and Tourism (FSM)



Frontal view of the College of Food Science and Human Ecology

Grants/Awards/Honours

Some members of staff and students who have distinguished themselves in various ways were rewarded in form of grants, awards or honours given to them as shown in the table below:

STAFF AWARDS/GRANTS

Staff Awards and Grants are shown in the table below:

S/N	Type of Award/Honours	Recipient	Date
1.	MRCI – AAU Grant – Partnership for Regional Food Developers initiative. Capacity Building Support Strategy for Poverty Reduction in West Africa.	Project Team: Dr. L.O. Sanni – Coordinator and Principal Investigator. Prof. I.O.O. Aiyelaagbe – Coordinator of Organic Agriculture component Dr. M.A. Idowu and Dr. (Mrs.) I.O. Olayiwola – Co-investigators	2008-2010
2.	Cassava Adding Value for Africa (C:AVA)	Prof. L.O. Sanni (Country Coordinator) Dr. M.A. Idowu Dr. T.A. Shittu Dr. A.A. Adebawale	2008-2011
3.	EU-ACP Science & Tech. Capacity building in Africa & Caribbean	Prof. L.O. Sanni	2009 – 2012
4.	MRCI325 Est. of Food Science & Nutrition Network in West Africa	Prof. L.O. Sanni (Coordinator) Dr. (Mrs.) J.M. Babajide (Asst. Coordinator) Dr. A.A. Adebawale Dr. A.O. Obadina Dr. (Mrs.) I. Olayiwola Dr. (Mrs.) S.A. Sanni	2009 – 2010
5.	IFS Research Grant	Dr. O.P. Sobukola	2010
6.	ARC Grant	Prof. (Mrs.) S.V.A. Uzochukwu	2010
7	Principal Investigator, Establishment of Food Science and Nutrition Network for Poverty Reduction and Sustainable Rural Livelihood in West Africa [FOSNUT] sponsored by Association of African Universities (AAU), Accra and Department for International Development, (DFID) UK [Project Ref. No. MRCI Cycle 325].	Prof. L.O. Sanni	2010-2011
8	Staff Research Productivity Award (Senior Academic Category)	Prof. L.O. Sanni	2010

Special Project

2009-2010

Project Coordinator (Sanni, S.A et al), Consumption Pattern and Diet Composition of Selected Household in 3 States of University of Agriculture, Abeokuta Mandate State IRG30]

2009-2010

Project Coordinator (Olayiwola, I. O. et al), Nutritional Surveillance for Food Security System among UNAAB Mandate Communities

2010-2011

Project Member (Sanni, S.A, Afolabi, W.A.O, Olayiwola, I), Establishment of Food Science and Nutrition Network for Poverty Reduction and Sustainable Rural Livelihood in West Africa [FOSNUT] sponsored by Association of African Universities (AAU), Accra and Department for International Development, (DFID) UK [Project Ref. No. MRCI Cycle 325].
<http://www.aau-mrci.net/Project%2017.html>

2010-2011

Project Coordinator (Prof EB Oguntona et al), DUFIL Scholarship for 9 MSc Students

3.2.3 COLLEGE OF ANIMAL SCIENCE & LIVESTOCK PRODUCTION (COLANIM)



Professor (Mrs) Daisy Erubetine
B.V.Sc. (Andhra Pradesh), M.Sc., Ph.D (Alberta)
Dean, College of Animal Science & Livestock Production

The College of Animal Science and Livestock Production was established in the year 1988 at the inception of the University. At the time of its establishment, the college had three (3) Departments

which were the Departments of Animal Breeding and Genetics, Animal Nutrition and Animal Production and Health. In 1995, the department of Pasture and Range Management was transferred from the College of Plant Science and Crop Production to the College of Animal Science and Livestock Production putting the number of Departments in the college to four (4).

The primary philosophy guiding the training of students is the production of skilled manpower that is adequately furnished with the comprehensive information required for engaging in economic livestock production in an environment characterised by rural setting and adequate land endowment. The college from its inception has been contributing its part to the realisation of the university's tripodal mandate of Teaching, Research and Extension. Currently, the College comprises of five academic departments as follows:

1. Department of Animal Breeding and Genetics (ABG);
2. Department of Animal Nutrition (ANN);
3. Department of Animal Physiology (ANP).
4. Department of Animal Production and Health (APH)
5. Department of Pasture and Range Management (PRM)



Frontal view of the College of Animal Science & Livestock Production

Accreditation Status

Programmes run under the College of Animal Science and Livestock Production have been accredited by the National Universities Commission. The last accreditation exercise was conducted in the year 2006 and the programme earned a full accreditation status.

ACTIVITIES

Achievement

- i) Mr. Ogunade, Michael Ibukun (a first class student of the Department) was appointed as Junior Research Fellow in the Department. He is also at an advance stage of his M. Agric programme
- ii) Dr. (Mrs.) O. A. Isah and Dr OMO Idowu won IFSERAR research grant.
- iii) Dr. O. M. O. Idowu travelled to Coventry University in United Kingdom on Organic Agriculture training. He also travelled to Indonesia to attend the 3rd International Conference on Tropical Agriculture
- iv) The promotion of Dr. A. V. Jegede scaled through in the 2010 promotion exercise.
- v) Prof O. O. Oduguwa an AVH fellow returned to the Department after his trip to Germany.
- vi) Dr. A. O. Fafiolu won Nigeria University Doctoral thesis award scheme. His thesis was adjudged the best in the field of Agriculture within the Nigeria University system.

Awards

- i. Prof. (Mrs.) O.A. Adebambo got a prestigious chieftaincy title of “Suada of Gbagura Land in Ogun State in the year under review.
- ii. She (Prof. (Mrs.) O.A. Adebambo also received the Vice-Chancellor’s award for Excellence and Productivity within the year under review.
- iii. Dr. S.O. Peters of the Department of Animal Breeding and Genetics and who is currently in New Mexico State University, USA for a PhD in Molecular Genetics was recently elevated to the rank of Senior Lecturer by the University.
- iv. Mr. B.M. Ilori, an Assistant Lecturer in the Department received the ETF Scholarship for his Ph.D program in UK. He is currently pursuing the PhD program at the University of Nottingham, UK.
- v. An alumnus of the Department, Mr. A.S. Adenaike that graduated with First Class Honours in 2008 had been appointed by the University as Junior Research Fellow in the Department.
- vi. The Department also produced two First Class graduates (Aboderin, Abayomi Oluwaseun and Sanda, Julius Adeyinka) among the graduating students of the University in the 2009/2010 academic session that are currently taking part in the NYSC scheme. Many of our students were also found in the Second Class Upper and Lower Divisions, respectively.
- vii. Mr. Asoro, I.A. received Dr. MacDonald and Mrs. Cheryl Wicks Undergraduate Award for the best student in Animal Biotechnology in the 2009/2010 academic session.
- viii. Prof. Olufunmilayo Ayoka Adebambo’s prize for the best graduating student in Animal Breeding and Biotechnology with GPA not less than 4.00 was approved at the 184th Senate Meeting.
- ix. Prof. (Mrs.) A. O. Jolaosho won Stapedon Memorial Trust Fellowship award, University of Leeds, UK – 2002 and African Women in Agricultural Research and Development (AWARD) Kenya 2009-2011.
- x. Dr. O. M. Arigbede won TWAS Research Fellowship award, Institute of sub- Tropical Agricultural Research China – 2008 and Alexander Von Humboldt Fellowship, University Bonn, Germany, 2009-2011.
- xi. Dr. U.Y. Anele won Ph.D. Research Grant - 2007-2011 of the Institute of Animal Science, University of Bonn The department OF Animal physiology was awarded Animal Breeding and Genetics Centre of Excellence by National Institute of Animal Science (NIAS) with a promise of biotechnology equipments to be supplied to the departmental laboratory. The equipments include refrigerated centrifuge, computerized gel documentation system set, dry ice making machine and a PCR thermal cyclers.

Collaborations

- (i) Memorandum of Understanding with Dr. G.I. Immomorin from the University of Cornell. (Training of Ph.D. & M. Agric Students, Supply of Equipment etc) (ABG).

Equipment / Facilities

- (i) Supply of equipment by Nigerian Institute of Animal Science for development of Animal Breeding and Genetics Department as a centre of excellence in Animal Breeding and Genetic.
- (ii) Upgrading of Animal Physiology Department with state of the art offices to house staff.
- (iii) Provision of specialized equipment to Animal Physiology Department by a special grant in recognition of outstanding performance.

Provision of 2 nos Zinox laptop computer to all Departments and 1 no to the Dean’s Office.

Training/Fellowships Awards

(i)	Dr. S.O. Peter (ABG)	Ph.D Molecular Biology, New Mexico State University, New Mexico USA (USDA Scholarship)
(ii)	M.O. Akinola (APH)	University of Kiel, Germany. 4 Months Training/Research toward Ph.D.
(iii)	Mr. A. Adeleye (APH)	Ph.D New Castles University, U.K. Sponsored by ETF.
(iv)	Prof. O.O. Oduguwa (ANN)	Alexandra Von Humboldt Fellowship – University Bonn Germany (Sabbatical)
(v)	Mr. U.Y. Anele (PRM)	Invitation of Animal Science, Bonn Germany (Ph.D Research).
(vi)	Mrs. Egbowon (ANP)	Commonwealth Scholarship, University of Nottingham – U.K. (Ph. D Studies).
(vii)	Dr. O.S. Sowande (APH)	Staff exchange programme at Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (3 weeks)
(viii)	Mr. Ayankoso, M. T.	Postgraduate student exchange programme at Kwame Nkrumah University of Science and Technology, Kumasi, Ghana (8 weeks)
(ix)	Dr. Arigbede O.M.	the Institute of Animal Science University of Bonn Germany for AVH Fellowship for Experienced Researchers (July 2009 – April, 2011)
(x)	Dr. I.J. James	Professional training at Galilee International Management Institute, Israel on Specialized Training – Livestock Advanced Dairy Technology and Farming Management from 2 nd November 2010 to 15 th November, 2010.

SPECIAL PROJECTS

- i. Effective breeding programs of the major livestock species are currently on going.
- ii. Molecular screening and genotyping of major livestock species for accurate characterization and development of meaningful phylogeny for all these principal livestock species are ongoing.
- iii. Development of special projects by all academic staff for grants support/assistance from IFSERAR unit of the University. Many of the research proposals have been adjudged to be of high quality and are currently awaiting financial support for execution.
- iv. Several projects that have direct impact on the society are daily being carried out by members of staff and students.
- v. The Department of Animal Breeding and Genetics, University of Agriculture, Abeokuta is also collaborating with the Cornell University, Ithaca, USA on a full-scale research on Nigeria's small ruminant animals. In this research work, nine University of Agriculture, Abeokuta (UNAAB) students are involved. These include four doctoral candidates and four Masters of Agriculture students. The ninth student is an undergraduate working on molecular variation in the DRB gene in Nigerian goats.
- vi. Hurricane Lantern incubator: A movable hurricane lantern incubator suitable for use in the rural and urban areas developed by Prof. S.S. Abiola is presently undergoing test running and trials for all classes of poultry eggs.
- vii. Horizontal and Vertical Metallic Manual Hay Balers: These manual hay balers were developed to enhance production of hay from the excessive grasses in South Western parts of the country at minimum cost. This is also to enhance feed availability for dry season ruminant animals.
- viii. Forage Pelletizing: It also post of the effort of the Department to preserve the excessive grasses in the wet season for dry season feeding of all classes of ruminant animals. This is an on -going project.

Memoranda of Understanding (MOU)

- i. MOU signed with Cornell University to carry out research in small ruminants under the supervision of Dr. Ikhide Imumorin of the Department of Animal Science, Cornell University
- ii. MOU signed with Ohio State University to carry out research in indigenous chicken proteomics under the supervision of Dr. Macdonald Wick of the Department of Animal Science, College of Food, Agricultural and Environmental Sciences, The Ohio State University, USA
- iii. MOU signed with Biotechnology Trust Africa for research into tropicalized vaccines under the supervision of Dr. Joseph Wecunda

EXTERNAL LINKAGES AND MOU'S INTERNATIONAL LINKAGE 2009/2010

UNAAB Staff	Linkage Partners/sponsor/host	Starting Date	Status/Ongoing or completed	Origin of Collaboration
Prof. Daisy Eruvbetine	Prof. John Kennedy, Dean Faculty of Agriculture, Live and Environ. Sci. CGIAR/AWARD Vicki Wilder.	October, 2008 October, 2010	October, 2011 October, 2011	UNAAB and University of Alberta, Edmonton, Canada. Mombasa, Kenya
Prof. O.O. Oduguwa	1) Dr. T. Acamovic Dr. V. Pugozhev 2) Prof. K-N Sudekam	October, 2004 June, 2008	Ongoing Ongoing	Commonwealth scholarship and fellowship plan Alenxander von thimboldt foundation
Dr. O.M.O. Idowu	1) Faculty of Animal Science Universitas Gadjah Mada Yogyarkata, Indonesia 2) Prof. Phil Harris Coventry, UK 3) Sheku Kenway Moiforay	October, 2010 September, 2009 September, 2010	Ongoing On-going On-going	ETF Conference grant EU-EDU LINK ACP-EU Cooperation Programme EU-EDU LINK ACP-EU Cooperation Programme.

STEP-B PROJECT AWARDS

S/No.	Names of Staff	Kind of Award	Beneficiaries Students
1.	Dr. O.F. Smith	World Bank/STEP-B IOT Award	Falana, Tosin
2.	Prof. O.A. Osinowo	World Bank STEP-B/IOT Award	1. Adio, B.R. 2. Adeeko, T.A. 3. Okeniyi, F.A. 4. Adebayo, M.O.
3.	Prof. O.M. Onagbesan	World Bank STEP-B/IOT Award	1. Osunkeye, G.O. 2. Onyeka, Omire 3. Osinowo, 4. Ochefu, J. 5. Okwelum, Ngozi 6. Oke, O.E. 7. Adewunmi, O.F.

The total sum from the Science and Technology Education Post-Basic (STEP-B) Project of the World Bank/Innovators of Tomorrow Grant Allocation to the Department of Animal Physiology is ₦6m (Six Million Naira Only).

Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR) Research Award

S/No.	Names of Staff	Research Programme	Amount (₦)
1.	Dr. O.F. Smith	Livestock Production Research	356,475.00
2.	Prof. O.M. Onagbesan	Livestock Production Research	356,475.00
3.	Dr. J.O. Daramola	Livestock Production Research	356,475.00
		Total	1,069,425.00

Major Research Breakthroughs.

- Hay produced from locally fabricated metallic balers.
- Growth and biomass yield of Tephrosia – Brachiaria mixtures.
- Evaluation of animal manures on yield and quality of selected grasses.

Current Research

- Low cost silage and hay making processes
- *In-vitro* gas production of different hays
- *In-sacco* studies of grasses, herbaceous legumes and indigenous browse plants.
- Studies on effects of animal manures on forages yield, nutrient and silage quality of Panicum species.
- Evaluation of forage potentials of Sorghum alums and Pearl millet in South –West Nigeria.

3.2.4 COLLEGE OF PLANT SCIENCE & CROP PRODUCTION (COLPLANT)



Professor O.B. Kehinde
B.Sc., M.Sc., Ph.D (Ibadan)
Dean, College of Plant Science & Crop Production

The College of Plant Science and Crop Production (COLPLANT) was established on 1st October, 1989 and since then, the College has grown in terms of Departments, staff and students. The five academic Departments in the College at present are:

- i. Department of Crop Protection (CPT)
- ii. Department of Horticulture (HORT)
- iii. Department of Plant Breeding and Seed Technology (PBST)
- iv. Department of Plant Physiology and Crop Production (PPCP)
- v. Department of Soil Science and Land Management. (SSLM)



Frontal view of the College of Plant Science and Crop Production

The operations of the University farms which provides the necessary logistics for crop farming aspects in the B. Agric. Curriculum is under the supervision of the College. Seed and grain production as well as provision of materials and support for staff crop production are parts of the objectives of the University farm.

Accreditation Status

The College of Plant Science and Crop Production runs a B. Agric programme. All the options within the College that contribute to the award of a Bachelors' degree in Agriculture have been visited and accredited by the National Universities Commission (NUC). The programme currently has a full accreditation status.

ACHIEVEMENTS

Renovation of the College Auditorium

The College Auditorium was given a befitting look following the renovation of the Auditorium during the year under review. Some repairs were carried out while unserviceable fans, fluorescent tubes and doors were replaced. The Auditorium was also provided with good window blinds.

COLPLANT Farm

The College established a 15 hectare arable farm land located some distance behind the students hostels in 2007. About three thousand heaps were made and white yam tubers planted therein late last year. The yams were harvested this year and sold to interested buyers. The College Farm also planted maize and cassava during the year. While the produce from maize had also been sold, the cassava plantation is being nurtured.

Prospects

We look forward to attain greater achievements in the coming year. With God on our side and the calibre of academic and non-academic staff in the College, all mountains on our path of progress will be surmounted. We hope that some of our staff will add more feathers to their caps in the coming year and the College will continue to wax stronger and stronger.

Current Research Projects

STAFF	Recent and Ongoing Research Projects
Dr. I. O. Daniel	Seed longevity modelling, seed invigoration by priming, genetic analysis of hybrid seeds, evaluation of genetic purity and evaluation of genetic deterioration during seed storage using molecular markers.
Prof, O. J. Ariyo	Investigation of G x E interaction in West Africa Okra (<i>Abelmoschus caillei</i>). Development of lines of <i>Abelmoschus esculentus</i> and <i>Abelmoschus caillei</i> . Effect of environment on the performance of accessions of groundnut (<i>Arachis apogea</i>)
Prof. O. B. Kehinde	Mutation Studies and genetic variability in agro-morphological characters in Okra (<i>Abelmoschus esculentus</i> and <i>Abelmoschus caillei</i>). Molecular Characterization in Melon, <i>Citrullus lanatus</i> , using molecular techniques
Prof. M. O. Ajala	Recalcitrant nature of seeds and storage behaviour. Variability and relation of seed quality traits to field performance of hybrid maize.
Dr. D. K. Ojo	Phylogenetic evaluation of interspecific crosses of <i>Oryza</i> species using morphological and molecular marker techniques. Genetic analysis of pod characters in cowpea and soybean cultivars. Genetic analysis of black sigatoka resistance in plantain germplasm and Genetic evaluation of maize inbred lines for heterosis and combining ability.
Dr. (Mrs.) D. C. Akintobi	Effect of pre-sowing treatments and growth hormones on rapid multiplication of <i>Tectonia grandis</i> & <i>Gmelina arborea</i> . Effect of organic and inorganic fertilizers on growth and yield of grain amaranth (<i>Amaranthus cruentus</i>) and sweet potato (<i>Ipomea batatas</i>)

Dr. M. A. Adebisi	Storage life of water melon under ambient humid conditions. Physiological studies in <i>Capsicum</i> species in relation to seed weight and pre-soaking water treatment.
Mrs. M. A. Ayo-Vaughan	Characterization and investigation of G x E interaction in cowpea. Combining ability in cowpea using diallel crosses.
Mr. C. O. Alake	Genetic studies on seed yield of West African Okra [<i>Abelmoschus caillei</i> (A. Chev)]. Parametric stability analysis in West African Okra [<i>Abelmoschus caillei</i> (A. Chev)] in derived savanna ecology of Nigeria.
Mr. I. O. Idehen	Molecular characterization, reproductive biology and genetic transformation in ‘egusi’ melon [(<i>Citrullus lanatus</i> (Thumb.) Matsun and Nakai)]
Mr. O. A. Oduwaye	Cytogenetic characterization and genetic diversity in germplasm of amaranth (<i>Amaranthus</i> spp) using Agro-morphological and PCR-based molecular markers
Mr. O. O. Ajani	Studies on variability and relation of seed quality traits to field performance of hybrid maize under different environments.
Miss T. O. Adekola	Studies on genetic deterioration of sesame seed during storage

FUTURE PLANS

- Development of seed production to the point of supplying certified seeds to farmers and researchers in Ogun State and South western Nigeria.
- Development of proper packaging for certified seeds produced in the College.
- Production of certified organic seeds of vegetables and some arable crops.
- Development of Seed/Biotechnology laboratory in the College with modern-day equipment to serve as a centre of serving both students and researchers in UNAAB.
- To send out junior academic staff and laboratory technologists abroad to advance laboratories for training in the areas of Plant Breeding, Seed Science and Technology and Biotechnology.

The programme of the College acknowledges the important position of Plant Breeding and Seed Production in a developing economy like Nigeria. The Department is committed to excellence in the tripodal mandate of the University (Teaching, Research and Extension service) in the areas of breeding and production of improved crop varieties and distribution of pure and high quality seeds.

Plantation Unit

In agricultural enterprise there is scarcely any “close” season. This is because we are establishing permanent crops which remain on the field even when the rain has stopped and they require maintenance.

Farm Activities



Oil Palm Plantation



TEAK ESTABLISHED 2009



TEAK ESTABLISHED 2008

Plantain Plantation



General maintenance in terms of weeding and fire tracing was done. The plantain started flowering late September/October. We started harvesting matured bunches for sale to members

of the University Community in November. Few banana stands were also discovered mixed up with the plantain on the farm. The price per kilogram of N46.70/kg for plantain and N20/kg for banana was fixed after we have carried out market survey, sample weighing and a collective decision of the Officers in the Unit.

The entire harvest so far was sold to members of the University community with increasing demand every week. We have also maintained a weekly supply to the UNAAB International School. The Industrial Park Unit equally obtain some bunches for trial production of plantain flour. With these developments we had to put on hold our initial plans to package for external market.

Security is an important issue at this stage of the farm hence we retained two (2) Casual Guards on the farm each on a monthly wage of N15,000.00. We have also commenced the construction of a watch tower at the centre of the farm to facilitate surveillance. This is being done with improvised materials on the farm.



On-site Huts put up by Labourers on the Plantain Farm



Report on Oil Palm Plantation

Maintenance of old plantation (5Ha)

The maintenance of the 5Ha established last year continued this season with:

- Slashing through the whole field at the onset of rains
- Supplying missing stands on the field
- 2nd Dose application of N.P.K fertilizer
- Removal of wire collar etc.

Generally, the palms on this field are doing fine and they are very promising.



Oil Palm Farm Established 2008

The Plantation Village

The Plantation Village was completed and handed over to the University. The workers are occupying the rooms. The Graduate Farmers participating in the Graduate Farmers Scheme are also occupying part of the place. We also expect that necessary furniture will be provided very soon.

Borehole

A bore hole has been sunk for the occupant but unfortunately it is not yielding sufficient water.

Stand-by Generating Set

The University has also provided a standby generator and fund to fuel it for the convenience of the residents. ICETOPP has put two guards on duty in the building.

Water Tank

A water tank was also constructed and a pump has been attached to the tank so that it will be able to pump water up. The tank would become very useful as soon as the rain is over.



One of the Occasions of Vice Chancellor's Visits to Plantation Projects



The Plantation Village put up to Accommodate Plantation Workers

DSTV Facility

Installation of a DSTV facility for the benefit of plantation workers was also done at the Plantation Village.

Tractor

The tractor purchased for use by ICETOPP is in good condition. It has served the various sub-project in moving farm inputs such as fertilizer, farm yard manure etc. It became handy now that the farm produces from the plantain plantation has started coming out. The Graduate Farmers are also making use of the tractor for conveying their farm produce.

Graduate Farmers Scheme

The participants in this first year make use of our Oil Palm Plantation to intercrop their maize. Their presence brought more life to the Plantation. However, the use of herbicide by many of the participants contrary to our advice destroyed over one hectare of the established oil palm. It is being suggested that they find their own area for cropping during the 2010 wet season.



VC and Chairman ICETOP Having a Chat at the Plantation in the presence of GRADFES Beneficiaries



The Cross-section of GRADFES Maize Planted on the Oil Palm Field

Contract Workers

The use of contract workers has helped tremendously in establishing the plantations. They are usually given daily task force and can be paid their terminal wages at the end of November.

They are more reliable than our local labourers and we get result. Twenty (20) of them were engaged in the three plantations i.e. Teak – 6, Oil Palm – 4 and Plantain – 10.

III. ACHIEVEMENT TO DATE

1. The following hectarages of plantation crops have been established:

Teak- 9 ha of teak (covering 12 km length of the University boundary along Iberekodo/Opeji axis.

Plantain - 9 ha of plantain, the first set of fruits have matured and sales are being made to the members of the University community. There are also abundant suckers coming up.

Oil palm - 20 ha of oil palm have been established to date and they are very promising. Oil palm nursery has been put in place. Seedlings from the nursery were used for the 15 ha plantation established this season, with over 5,000 seedlings to take care of expansion 2010 season and also generate some income.

Cocoa A nursery was set up in 2009 to supply seedlings for the take off of a cocoa plantation in the 2010 season.

2. The investments on the plantation is already generating some income. As at 30th December, the following income was generated:

Sales of 250 oil palm seedlings	-	37,000.00
Sales of plantain bunches	-	234,670.00

Total = N271,670.00

3. The initiative of the Vice-Chancellor in giving employment opportunities on the project to local inhabitants of UNAAB land especially the elsewhere hostile Budo Community is producing a cordial relationship.
4. Generally there has been drastic reduction in illegal activities (e.g. sand minning, unauthorised felling of trees, cattle grazing etc.) going on around the locations of these project as UNAAB presence is already well established.

3.2.5 COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT (COLERM)



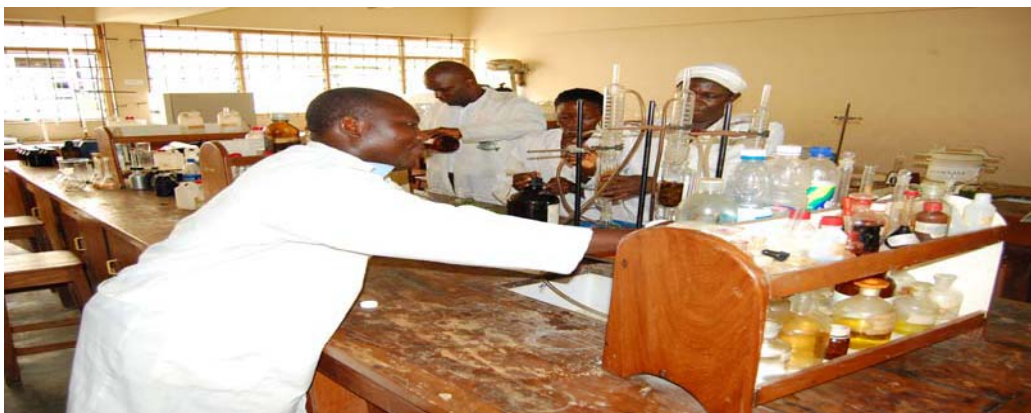
Professor T.A. Arowolo
B.Sc. (London), M.Sc. (Loughborough), Ph.D (Aberdeen)
Dean, College of Environmental Resources Management

The College of Environmental Resources Management (**COLERM**) was established along with four other colleges at the inception of the University of Agriculture, Abeokuta in 1988. The college consists of four departments, namely:

1. Department of Aquaculture and Fisheries Management (AQFM)
2. Department of Environmental Management and Toxicology (EMT)
3. Department of Forestry and Wildlife Management (FWM)
4. Department of Water Resources Management and Agro-meteorology (WRMA)



Frontal view of the College of Environmental Resources Management



EMT laboratory

Accreditation Status

All programmes in the College have full Accreditation status from the National Universities Commission (NUC).

Awards/Honours

- Dr. S. O. Obasa of AQFM Department was elected as Chairman of Ogun State Chapter of Fisheries Society of Nigeria (FISON).
- Prof. T. A. Arowolo of EMT Department was elected as Chairman of Ogun State Chapter of Chemical Society of Nigeria
- Four academic staff from the College were offered fellowships/scholarships to study for their Ph. D in different Universities abroad.

Research activities

The College is involved in various practical oriented research activities aimed at solving societal problems in the areas of environmental resources management.

Conferences/Workshops/Seminars

During the course of the year, over twenty members of our academic staff attended various International / National Conferences in various parts of the country and overseas. This was made possible by the new policy of releasing conference grant directly to Colleges. This new policy has made it possible for more staff to be exposed to currents trends in their different areas of research activities.



Meteorology Station



SPECIAL PROJECTS

The Department does not have any current special project. However, some of the academic staff is involved in IFSERAR programme. These include, Prof GNO Ezeri, who is the current Programme Leader, Fisheries in IFSERAR; Dr (Mrs) N. B Ikewinwe, Dr (Mrs) O. T Agbebi, Dr (Mrs) F. O. A George and Dr S. O. Obasa.

3.2.6 COLLEGE OF NATURAL SCIENCES (COLNAS)



Professor T.O.S. Popoola
Dean, COLNAS

The College of Natural Sciences (COLNAS) is one of the pioneer colleges in the University. Considering the fact that Natural science is the bedrock of agricultural and technological development, COLNAS is central in the training of students preparatory to moving to their Colleges of interest. In this regard, it is imperative that all other colleges link to COLNAS for basic research, which indicates the important role of COLNAS in fulfilling the mandates of the university. The college and its entire departments were established at the inception of the University in 1988 except the departments of Microbiology (2001), Biochemistry (2001), Computer Science (2005) and Statistics (2005). The college consists of eight departments, namely:

1. Department of Biochemistry (BCH)
2. Department of Biological Sciences (BIO)
3. Department of Chemistry (CHM)
4. Department of Computer Science (CSC)
5. Department of Mathematics (MTS)
6. Department of Microbiology (MCB)
7. Department of Physics (PHS)
8. Department of Statistics (STS)



Frontal view of the College of Natural Sciences

Activities and Achievements:

During the year, the Department of Physics and some of its academic staff are involved in the following activities:

- (1) Training on Solar Energy
- (2) Training / Collaboration with scientists outside of the University.
 - The Department produced four (4) First-Class graduates in 2009/2010 Academic Session which was the highest in the College (COLNAS).
 - The National Association of Biochemistry Students (NABS) UNAAB won 2nd prize at the Inter University Biochemistry Quiz on 19th August, 2010.
 - Mr. Ogo-Oluwa Ojelabi was awarded ETF scholarship by the Governing Council of the University of Agriculture, Abeokuta to pursue a post-graduate degree programme (M.Sc. & Ph.D.) in Biochemistry at Leeds University, UK.
 - Third International Conference on Research and Development holding in Institute of African Studies, University of Ghana, Accra, Ghana between November 24 – 25, 2010.
 - HOD, Biochemistry chaired the 1st DNA Fingerprinting Workshop at the University of Agriculture, Abeokuta, Nigeria 26-30th July 2010
 - Also, Professor O. Ademuyiwa awarded a Three (3) Month Fellowship by the German Academic Exchange Service (DAAD).
 - The students of Department won the Second Prize Winner of Inter University Biochemistry Quiz in Honour of Dr. Nash Oyekanmi organized by National Association of Biochemistry Students (NABS), University of Ibadan on August 19, 2010.
 - (i) The hosting of Professor H. G. Dales and Dr. Joel Feinstein from Mathematics; and United Kingdom. They presented some lectures in
 - (ii) One of our students, Mr. Akindein G. O. represented the University at the just concluded NUGA Games in Hockey and won **Bronze**.

The College has recorded the following medals:

- Gold medal in Nigeria University Computer Programming Contest held at the National Mathematical Centres, Abuja in November, 2007

- Gold medal at the Ogun State Computer Society Programming Contest held at Babcock University, Ilishan, Ogun State in November, 2009
- Gold medal at the Ogun State Computer Society Quiz Programming Contest held at Bells University, Otta, Ogun State in November, 2010

a) **New B.Sc (Hons) Curriculum**

A new curriculum for B.Sc (Hons) Statistics has been prepared and has been awaiting College Board Consideration for over a session. The new curriculum for B.Sc Statistics (2009 – 2013 Academic Session) introduces courses in Statistics from the first year and also has the General Statistics course (STS 201) split into two new courses:

- i. Statistics for Physical Sciences and Engineering
- ii. Statistics for Biological Sciences and Agriculture

In addition to these, several new courses in Statistics are introduced from 200 to 400 Level taking into consideration the minimum NUC criteria. Adjustments have also been made in the new curriculum to accommodate the mandatory 6 months industrial training with the 4 year duration of the programme.

b) **New Postgraduate Programmes**

The Department has introduced new programmes at the post-graduate level. These are the Masters in Applied Statistics and Biometry and the Ph.D in Biometry

On-Going Researches

Prof. M. S. Ayodele of the Department of Biological Sciences embarked on (1) Economic Survey of Local markets in Abeokuta for indigenous food and food stuff (2) collection and comparative study of 200 plants' reproductive organs toward first documentation of floral organs of Tropical (Nigerian) plants (3) Pioneer Programme Leadership at the newly established Bioscience Research Programme of Institute of Food Security, Environmental and Resources and Agricultural Research (IFSERAR).

Dr. Ekpo also of the Department of Biological Sciences is on the “Development of a Nationwide Geographical Information System data base and Bayesian spatial predictive models for the control of schistosomiasis in Nigeria” This is a 3-year post do project fellowship supported by the European Foundation initiatives for Neglected Tropical diseases (EFINTD).

3.2.7 COLLEGE OF ENGINEERING (COLENG)



Professor E. S.A. Ajisegiri
Dean, College of Engineering

The College of Engineering (COLENG) is a product of the master plan of the University. It came on board as scheduled in the second phase developmental plan of the University in 2001 session. The College is in its fifth year running and has produced its first set of graduates in 2006/2007 academic session.

There are four degree awarding programmes in the College:

- Agricultural Engineering
- Civil Engineering
- Electrical/Electronics Engineering
- Mechanical Engineering

All these programmes have been visited by both the Council for the Regulation of Engineering in Nigeria (COREN) and National Universities Commission (NUC).



Frontal view of the College of Engineering

Achievements

- The department of Civil Engineering moved into our building in 2009/10
- The department of Civil Engineering carried out consultancy work for the University and contractors handling various jobs.
- Three of our students of the department of Civil Engineering are currently doing their master programme at the University of Lagos and one at the University of Ibadan.
- Engr. Dr. O. S. Abiola successfully completed doctorate degree (PhD) in Highway and Traffic Engineering.

Research and Development

- ✓ Three Staff members of the Department of Civil Engineering, Dr. J.K. Adewumi, Engr O.J. Adeosun and Engr. A. Sobowale won the Competitive Agricultural Research Grant Scheme of the Agricultural Research Council of Nigeria (ARCN). The research grant is for The Development of a Low cost Drip Irrigation System for Rural Farmers. The Project has since commenced.
- ✓ The Department of Civil Engineering has also developed some technologies in the year under review, some of which include:
 - Equipment for the production of Bio-diesel from Castor seeds
 - Equipment for the Extraction of Essential oil from Plant materials

- Machine for Sugar cane juice Extraction

Procurement of Additional Laboratory/Workshop Equipment

The Department of Civil Engineering was able to purchase the under listed equipment from the DTLC and special grants received from the University Authority:

- Multifunction Food Processor
- Variable speed Electric Motor
- Venier Calipers
- 3 in 1 Colorimeter
- Temperature Probe
- Current meter
- Electric Generator
- Complete Tool Box

Additional Staff Offices/furniture

The Department was also able to acquire additional offices and office furniture/equipment such as File Cabinets, Executive Tables and Chairs, Desk top Computer and Multifunction Printer etc.

Laboratories

Due to the procurement of the new laboratory equipment and the expansion of College of Engineering building (COLENG Phase II), two additional laboratories were established. These are 200 level Basic Electricity Laboratory and Micro-controller, Control & Instrumentation Laboratory.

Curriculum Development

Due to the dynamic nature of engineering programme and in order to meet up with the present state-of-art of technology, and in line with the set objectives of the department our curriculum were reviewed and new courses were introduced in the 100 level and 200 level undergraduate programme. The courses concerned have been approved by the Curriculum Development Committee as well as the University Senate. These therefore, have been implemented in line with the approval.

3.2.8 COLLEGE OF VETERINARY MEDICINE



Professor (Mrs) Morenike A. Dipeolu
DVM, MVPH, Ph.D, MCVSN
Dean, College of Veterinary Medicine

The College of Veterinary Medicine (COLVET) was established in year 2002. The college produced its first set of graduates in 2007/2008 session. The College is made up of 6 departments and a Teaching Hospital. These departments are:

1. Department of Veterinary Anatomy
2. Department of Veterinary Medicine & Surgery
3. Department of Veterinary Microbiology & Parasitology
4. Department of Veterinary Pathology
5. Department of Veterinary Physiology & Pharmacology
6. Department of Veterinary Public Health



Frontal view of the College of Veterinary Medicine

1. The Activities of the College

In line with the objectives of the College, the College's activities centre on:

- a. The provision of adequate training that will enable students facilitate the production of wholesome meat, dairy and poultry products and promote public health; and also for the purposes of teaching and research.
- b. The provision of extension services to farms in Ogun State and its environs, with emphasis on disease prevention and control.
- c. The provision of clinical services to Small animals in Ogun State and its environs. The Veterinary Teaching Hospital is a referral centre for management of companion animal diseases.
- d. Engaging in research in various fields of Veterinary Medicine.

2. Research Activities

A number of research activities are on-going. These include:

1. A comparative study of chemotherapies for Dermatophilosis of cattle in Ogun State: Otesile, E. B., Oyewusi, I. K., Oyekunle, M. A. and Talabi, A. O.
2. Sources and Distribution of Salmonella serotypes in some selected foods in South West Nigeria: Oyekunle, M. A., Agbaje, M. and Kehinde, O. O.
3. Assessment of risks to human health associated with meat from different value chains in Nigeria by Dipeolu, M. A., Ojo, O. E. and Agbaje, M.
4. Evaluating the cardiogenic potential of *Hisbiscus sabdariffa* in rats: Ajibola, E. S., Okediran, B. S., Olukunle, J. O., Adeleye, O. E., Oloye, A. O. and Rahman, S. A.
5. Pharmacologic evaluation of the coccidiostatic potential of *Khaya senegalensis* stem bark extract and powder combined with Vitamin C in broilers: Biobaku, K. T., Okediran, B. S., Takeet, M. I. and Ajayi, O. L.

6. A comparative study of the endo- and ecto-parasites of muturu and zebu cattle: Talabi, A. O., Oyewusi, I. K., Otesile, E. B., Sonibare, A. O. and Oyekunle, M. A.

3. Attendance at International Conference/Congress

i) International Conferences sponsored by ETF

Three Academic Staff members (Drs Agbaje, M, Sogebi, E. A. O. and Adenubi, O. T.) were sponsored by ETF (*ETF Conference Intervention grant*) for International Conferences.

The details are as presented:

- a) Agbaje M. Dipeolu, M. A., Oyekunle, M. A., Grace, D. and Ojo, O. E. (2010): Isolation of *Tatumella ptyseos* from beef in Ibadan, Nigeria. *Prato Conference on the Pathogenesis of bacteria diseases of Animals* held at Prato, Italy, 6th – 9th October, 2010.
- b) Sogebi, E. A. O., Olaifa, A. K. and Olatunji-Akioye, O. A. (2010): The effect of Xylazine sedative on the erythrocyte fragility of West African Dwarf goats. *Conference of the Association of Veterinary Anaesthetists* held at Petros Nomilos Conference Centre, Santorini, Greece, 2nd – 4th September 2010.
- c) Olukunle, J. O., Abatan, M. O., Adenubi, O. T., Ajayi, O. L. and Thomas, F. C. (2010): Evaluation of the toxic effect of aqueous extract of the bark of *Morinda morindoides* root in male Wister rat. *International Conference on Folk and Herbal Medicine* held at Udaipur (Rajasthan) India, 25th – 27th November 2010.

ii) Staff participation in other International Conference/Congress

- a) Adebayo, A. O., Akinloye, A. K. and Olurode, S. A. (2010). Testicular Morphometry and Stages of Seminiferous Epithelium Cycle in Greater Cane Rat (*Thryonomys swinderianus* Temminck). *2nd Congress of the African Association of Veterinary Anatomists* held at Cairo, Egypt 20th – 21st March 2010.
- b) Prof. M. A. Dipeolu attended the 1st International Congress/Symposium on Natural Products in the Therapy against Cancer, organised under the auspices of the Pan-American Health Organisation, Ministry of Public Health of Cuba and the Institute of Tropical Medicine Cuba, held at Cuba 27th September – 4th October 2010.

4. The Achievements of the College

The achievements of the College during the year are as follows:

- a. Hosting of Veterinary Council of Nigeria for the Induction/Oath taking ceremony of the Second set of UNAAB's Veterinary Graduates. The registration of these graduates qualified them to practice the profession of Veterinary Medicine in Nigeria.
- b. Awards

Three Academic Staff members of the College got the ETF Academic Staff Training and Development (AST&D) Intervention Grant:

- i) Dr. M. I. Takeet (*for bench work for 1yr*)
Cornell University Ithaca, USA
- ii) Dr. J. O. Olukunle (*for bench work for 1yr*)
University of Manitoba, Winnipeg, Canada
- iii) Dr. O. E. Ojo (*for bench work for 6mth*)
Iowa State University of Science & Technology Ames, USA

Two other Academic Staff in the College also won International prize/award:

- i) Dr. A. O. Adebayo of the Department of Veterinary Anatomy won the prize for best oral presentation among scientists from various countries at the 2nd Congress of the African Association of Veterinary Anatomists in Cairo, Egypt.
- ii) Dr. M. A. Olude of the Department of Veterinary Anatomy got an award from the International Society for Neuroscience (ISN) for research visit to South Africa. The award was utilized at the University of Witwatersrand, Johannesburg, South Africa.

5. List of Staff Publications (see the attached document)

6. Future Plans of the College

Establishment of a Veterinary Field Station in a rural area with high livestock concentration to afford Veterinary students adequate exposure to Large Animal Practice. It will also avail cattle keepers in rural and semi-urban areas of Southern Nigeria access to quality Veterinary care.



2nd set of Vet. Graduates on the day of induction to the Veterinary Profession

3.3 UNITS AND CENTRES

3.3.1 ACADEMIC PLANNING UNIT



Professor M.A. Waheed
Director, Academic Planning

The National Universities Commission (NUC) on realization of the fact that institutions are responsible for the quality of education they offered proposed and established the Academic Planning Unit (APU) in Nigerian Universities in the earlier 1980,s.

Establishment of the Unit is in response to the need to coordinate and streamline the academic policies and activities arising from sudden and sometimes uncoordinated growth, development and proliferation of programmes and units in the University system. APU is also to handle the collection and management of data and information to guide the academic development of universities while ensuring the compliance of the institution and the units under it with NUC's Minimum Academic Standards (MAS) and with the university Senate's academic requirements.

Activities and Achievements

Publication of the Maiden and Subsequent Editions of Statistical Digests

The unit successfully produced the fourth edition of its statistical report and digest. This Digest is published annually to provide relevant statistical information on various sections within the university such as the different academic programmes being run at undergraduate and the postgraduate levels and their accreditation status, disposition and distribution of students and staff in the existing departments. This year's edition is unique in that it has five years data and also includes data on University library resources, health statistics, financial statistics and physical facilities in the University.

Mock resources Verification

The Unit carried out mock resources verification exercise for two new programmes, Agricultural Administration in the College of Agricultural Management and rural Development and Foodservice and Tourism in the College of Food Science and Human Ecology between 22nd and 23rd September, 2010. This was in preparation for the NUC visitation for the resources assessment of the programme.

Mock Accreditation

The Unit conducted mock accreditation exercises for twelve (12) programmes from the College of Natural Sciences, College of Engineering, College of Environmental Management and College of Food Science and Human Ecology between 13th and 23rd December, 2010. These programmes, which were due for NUC accreditation in 2010, were, Biochemistry, Biological Sciences, Chemistry, Computer Science, Mathematics, Microbiology, Physics, Statistics, Civil Engineering, Electrical/Electronic Engineering, Aquaculture and Fisheries Management and Food Science and Technology.

Data Bank

Major activities of the unit centres on careful collection, handling, analysis and interpretation of data from various sections and on changing trends within the university. The data so generated are periodically updated to assist the management in annual planning. Within the past year, the unit has been able to update the university's Full-Time Equivalent (FTE), the graduate output, students' enrolment, update of both academic and non-academic staff disposition. The actual and expected ratio of Teacher to students and the university carrying capacity were also calculated.

S/No	Data Generated	The Usefulness to the Management
1	Students Enrolment by; *gender *state of origin *mode of entry	To ensure that the university complies with the NUC approved guideline on catchment areas and expected enrolment capacity based on available human and facility resources.
2	Full-Time Equivalent(FTE) & Carrying Capacity.(CC)	For the allocation of resources and space within the systems and also for the evaluation of Teacher-Students ratio to determine vacancies.
3	Graduate output by; *Class of Degree *Gender	Analysis of students' performance rate across the departments, colleges and gender streams.
4	Academic Staff Disposition by; *Sex *Department *Area of Specialization	Determination of Academic Staff vacancies and the evaluation of Students-Teachers ratio as well as allocation of space within the system.
5	Performance in university wide-courses & Attrition rates	Analysis of student performance across the departments and colleges of the university and to evaluate the drop-out rate
6	Accreditation Status of Programmes.	To adequately prepare the university and its academic units for accreditation and re-accreditation purposes. This is achievable through the conduct of mock accreditation exercise and sharing of self study forms(SSF)
7	Students growth rate since inception	Useful in regulation of students' intake.
8	Non-Academic Staff Disposition by *Designation *Posting *Sex *Qualification *State of Origin	To determine Non-Academic Staff vacancies.

Other activities

- The Academic Planning unit liaises with the National Universities Commission (NUC) in disseminating information and providing routine data from the university such as:
 1. University Systems Annual Review Meeting (URSAM), which took place in Abuja in August, 2010.
- It also provides the required information and assistance relating to academic matters to various departments within the University and gives adequate support during examination processes.
- The Unit undertook the sorting of prospective candidates into groups for 2010/2011 Admission Screening Exercise.
- The University mandates the unit to carry out various assignments from time to time as it deems fit. The unit is regularly engaged in carrying out assignments as mandated by the University.

3.3.2 ICT RESOURCE CENTRE (ICTREC)



Dr. F.A. Oguntoye
B.Sc, M.Phil/Ph.D (Ife)
Director, ICTREC

The ICT Resource Centre (ICTREC) coordinates all Information and Communication Technology related activities on Campus. The Unit is at the centre of the tripartite mandate of the University in facilitating information collection, analysis and communication for teaching, research, extension and general University administration. The Computer Centre conducts CISCO certification and various other training courses in diverse software packages including web design, spreadsheet, word-Processing, database management, CAD and Drafting and GIS applications Desktop Publishing, Graphics and Statistical Analysis solutions.

The Unit is located in the centre of the core academic and administration of the University, the centre has now evolved into the following units:

Network Administration and Internet Services Unit

- ❖ Management Information System Unit
- ❖ Training and ICT Help Desk
- ❖ Open Users and Commercial Unit
- ❖ Project Development Unit
- ❖ Campus Internet Development and Management Unit
- ❖ Multimedia Deployment and Instructional Technology Unit

Services

The Computer Centre renders the following services among others:

1. Maintenance of student's records, staff records, production of ID cards, supply of information to Management and other authorized users in desired formats.
2. Responsible for the integrity, maintenance and efficiency of the Campus Network, provision of intranet services on the network, maintenance of all servers connected to the network and network security.
3. Providing direct computer access to staff and students at appropriate charge per time unit. Provision of commercial services to the University Community in the area of desktop publishing, statistical analysis, computer graphics and sale of computer consumables.
4. Responsible for acquisition and management of virtual libraries, electronic books, teaching and learning aids, virtual laboratories and lecture materials, and making them available to staff and students on the intranet.
5. Deploying multimedia systems for seminars, conferences and workshops, lectures, and theses defence on request.
7. Organizing computer training programmes for staff and students.
6. Working with Time-Table Committee (TIMTEC) to produce examination and lecture time tables.

7. Providing internet access to the University community and to the immediate community of the University.

PROGRESS AND ACHIEVEMENTS RECORDED BY ICTREC

The ICT Resource Centre is smartening from the upheavals that follow a dramatic change in orientation, policy and philosophy of delivery of most elements of this rapidly changing essential tool for the delivery of the tripartite mandate of the University in terms of teaching, research and extension designed to facilitate learning. With the injection of a number of new ICT staff each of the Unit made tremendous progress, although there will always be a lot of room for improvement. Noticeable changes and achievements were recorded in the essential areas in the Management Information System Unit, Campus Network Development and Management Unit, Training and ICT Help Desk Unit, Project Development Unit, Open Users and System Maintenance Unit and in the Multimedia Development and Instructional Technology Unit.

7. MANAGEMENT INFORMATION SYSTEM UNIT

This unit handles the general management of the University database systems for staff, students, resources and courses. It is responsible for the production of identity cards and responds regularly to requests for student and staff records on regular and routine basis. It is responsible for generating lists of registered students, reports on JAMB and handling of hard and soft copies of various reports for the administration apart from being the centre of activities connected with scheduling of examinations and the class timetable on behalf of TIMTEC.

8. CAMPUS INTERNET DEVELOPMENT AND MANAGEMENT UNIT

The University hub is the computer centre connected with optic fibre cables to seven other buildings namely COLANIM, COLNAS, COLERM, COLPLANT, COLAMRUCS, SENATE, and RESDEC. The University Library has a direct RJ45 cable link with the Computer Centre. Each building has its Local Area Network with all functional offices structurally cabled. Recently, an on-going wireless cloud was developed and deployed to cover all the Colleges and increase access to the UNAAB network which now complements the hotspots already implemented through Messrs Global Summit as a stop-gap while the bandwidth contract with Gilat was being implemented.

Challenges: Extension of wireless to other units and service buildings of the University. Further extension of the deployment of Campus Wide WIFI (wireless access) to cover everywhere on campus using hotspot access for students. Planned Sectoral deployment of the campus network via wireless connections to cover a radius of about 17 kilometres is still in progress.

This unit is the University's link to the world; as a result, issues bothering on the internet availability remain the Achilles' heel of the Centre and that of the University. However, and in spite of often hostile lack of understanding of the slow and steady progress of ICTREC, some of the most dramatic achievements of the University's ICT development programme were equally in the areas of the internet access and availability where staff have shown so much dexterity and success. Our provision of internet access, solving the challenges notwithstanding, had relied entirely on the ingenuity and the skills of the staff in persistent aging equipment breakdown problem. Setting of wireless access points and radio links for wider coverage of the University was achieved at minimal cost. Several landmark achievements of the centre in the last twelve months are listed below:

- Campus wide and sectoral wireless deployment across the built-up area (September 2009)
- Internet access deployment to some Colleges and the Pension House (October 2009)
- Fixing of damaged 20-watts BUC Power Box (November 2009)

- Installation and restoration of Mikrotik Server (December 2009)
- Internet Access deployment to UNIS (January 2010)
- Internet Access deployment to Works and Services (January 2010)
- Internet Access deployment to COLAMRUD (January 2010)
- Internet restoration via swapping of BUC (February 2010)
- New Core Switch installation and configuration (March 2010)
- Restoration of Internet access to COLERM (March 2010)
- Extension of internet access to Central Computer Laboratory (March 2010)
- Creation of a totally new and an entire UNAAB Bursary network (March – April 2010)
- Final resolution of Internet access problems of COLNAS Computer Laboratory and restoration of access to WING B of the College (April 2010)
- Configuration and deployment of e-Library (using e-Granary, LanTeeal and Agora Servers)

Project Development Unit

UNAAB Website

Redesign: The University Website was redesigned and ported to a Content Management System to enable Webometric Centre to upload staff and University contents through the Back end facilitate update, maintenance and administration.

Website Maintenance Updates: Contents of the website were updated as information is made available to keep it up-to-date and relevant

- Integration of Social Media (Facebook, Twitter and Youtube) in UNAAB website.
- Regular update of News and Events in the University sourced from UNAAB Bulletin
- Sending electronic copies of the weekly News Bulletin to
 - All past Vice-Chancellors of UNAAB
 - All Currents Professors in UNAAB
 - Vice-Chancellors of other Universities in Nigeria
- Online job advertisement: Vacant position for Junior and Senior (Academic and non-academic) staff were advertise on the university website (2009 – 2011)
- School Calendar for the new session
- Examination timetable
- Hostel Accommodation List

Impact

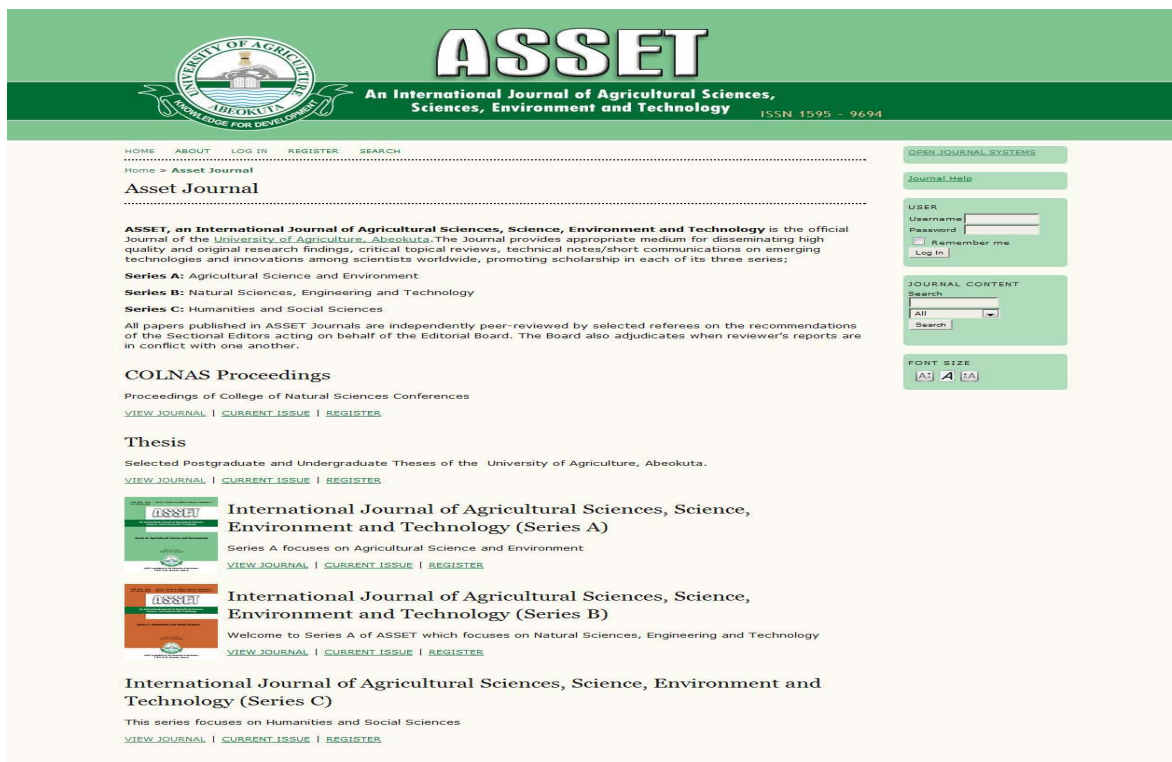
Information about the University (such as News, Events, and Job vacancies) is current and globally publicized.

Students biased information (school calendar, examination timetable, hostel accommodation list) is also accessible on the internet thereby easing access to such information.

Journal

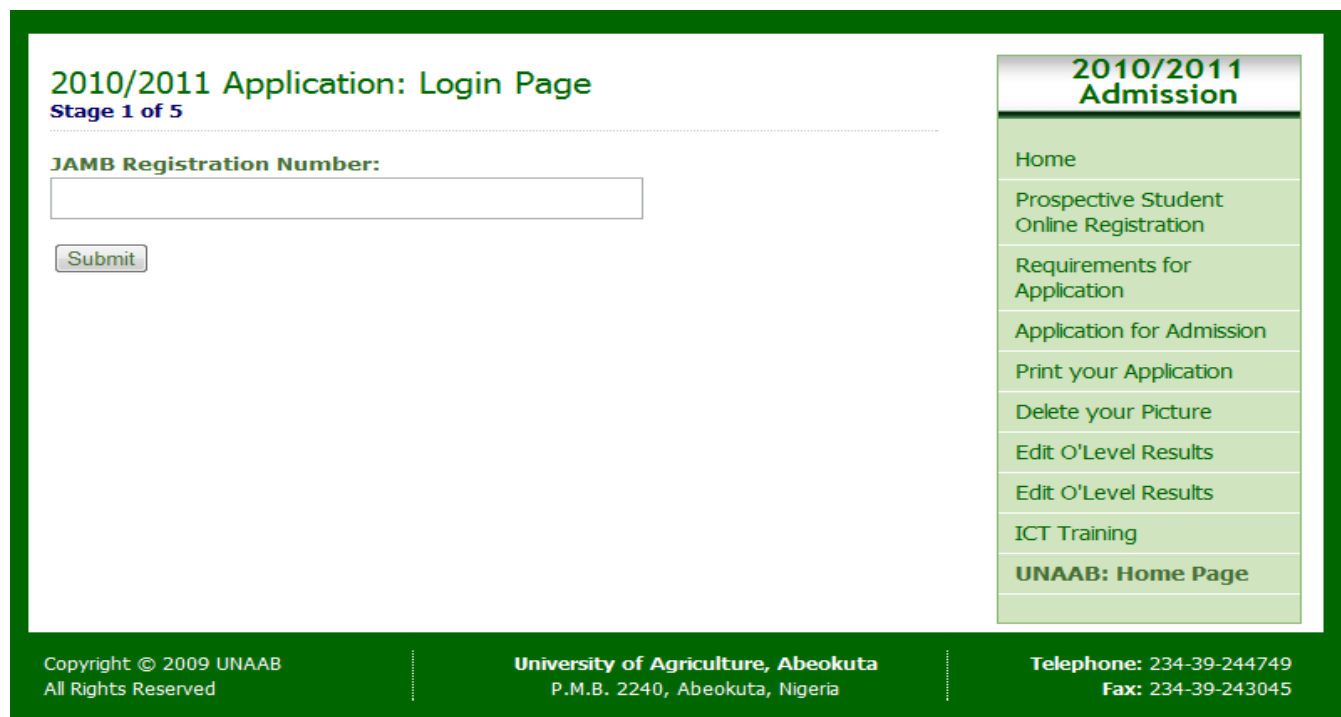
A sub-domain (journal.unaab.edu.ng) was created for UNAAB's Journal (International Journal of Agricultural Sciences, Science, Environment and Technology) using Open Journal System (OJS). OJS is an open source journal management and publishing system used by over 7500 titles worldwide (as of December 2010). The system was configured to publish all the 3 series of the journal (Series A to C), COLNAS Proceedings and Theses (selected post-graduate and undergraduate).

With this development UNAAB has joined the league of Universities contributing to knowledge worldwide. This is evident with the increase in to the number of references to UNAAB in google scholar for 3 last year (before the deployment) to 358 as at the time of this report.



Prospective Students' Admission Portal:

The unit developed a web portal to enable prospective students: apply for admission, check post-UME result, admission status, interview details, interview result and ICT Training Group.



In all, 9,957 applications were received and processed using the portal for the 2010/2011 Admission exercise. Also, an Excel worksheet was created to automate calculation of composite score used by the admission committee in determining shortlisted candidates.

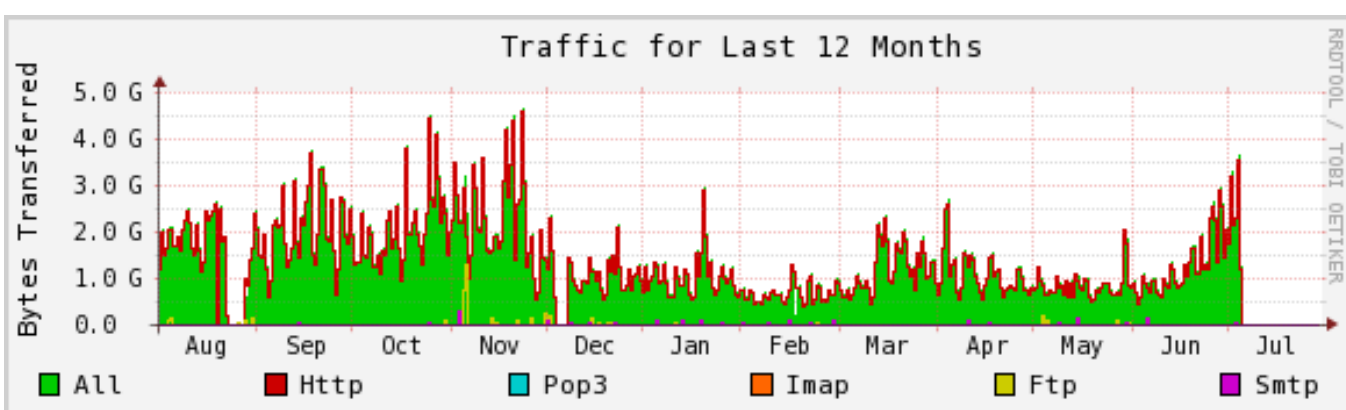
This greatly enhanced the prompt and thoroughly admission process.

Webserver Administration

UNAAB's website was successfully migrated to a Dedicated Web server on Sunday, 6th March, 2011. The units has been monitoring and administering the server since then.

Traffic

Since the 'takeover' in March to date, there has not been any prolonged downtime as shown on the bandwidth chart below.



Bandwidth Usage

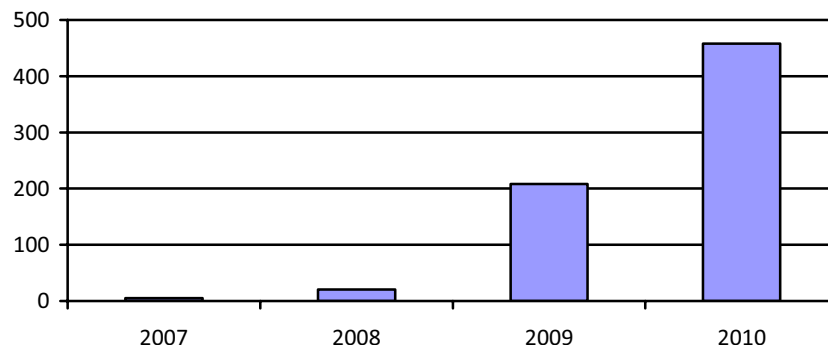
Bandwidth usage is the cumulative total size of information downloaded and view from a website. It is an indicator of the popularity, functionality, relevance and usage of the website. Table 1 shows the bandwidth usage of the University's website.

Table 1: Bandwidth Usage (in GB) of the University's website from 2007 to date

	2007	2008	2009	2010	2011
January		0.92	10.01	19.56	30.01
February		0.85	25.36	15.37	16.72
March		0.79	23.16	26.55	33.97
April		0.90	17.23	23.76	30.80
May		0.78	11.57	21.46	23.71
June		0.89	14.61	39.96	32.63
July		1.32	16.28	62.06	
August	0.22	1.59	10.99	42.20	
September	1.47	1.21	13.40	56.08	
October	1.55	1.37	20.55	58.47	
November	1.06	3.41	21.29	64.35	
December	0.96	6.66	23.49	28.37	
TOTAL	5.26	20.69	207.94	458.19	

From the table it can be observed that there was an increase of over 1000% in bandwidth usage in 2009 compared to 2008. In 2010, there was an increase of over 100% compared to 2009.

Figure figure shows that there has been an exponential growth in the bandwidth usage of the university website since 2007.



Web Design

Sub-Domains: the following sites were designed and integrated as sub-domains of the university website

- Interact! (www.unaab.edu.ng/community): a very active, socio-academic portal designed to share information with UNAAB community/stakeholders and interact together.
- IFSERAR (unaab.edu.ng/ifserar): the official website of the Institute of Food Security, Environmental Resources and Agricultural Research.
- GRECC (www.grecc.unaab.edu.ng): a community portal designed for the Graduate Records and Career Centre as a meeting place for UNAAB alumni.
- UNAAB's Journal (journal.unaab.edu.ng): current editions of the University's journal (International Journal of Agricultural Sciences, Science, Environment and Technology) was ported to Open Journal System, an open source journal management and publishing system.
- LIBRARY (library.unaab.edu.ng): the official website for UNAAB's Library: Nimbe Adedipe Library.
- ASSET (asset.unaab.edu.ng): a website for UNAAB's journal: the International Journal of Agricultural Sciences, Science, Environment and Technology to archive abstract of old editions of the journal.

Impacts

Interact! (UNAAB's community portal) and GRECC community portal provide a new medium for stakeholders in UNAAB community particularly students and alumni respectively to interact.

Sub-domain for IFSERA, GRECC and Library allows information from this critical unit to be publicized globally.

UNAAB's Journal and ASSET sub-domains put UNAAB in the list of universities with publicly accessible, electronic versions of their journal deployed on the web.

Web Application Development

Result Processing System: a web application designed to process examination results from the 2010/2011 academic session.

e-Exam Schedule Checker: a web application designed to enable student printout of e-Examination schedule.

PG Registration Portal: an online web application deployed to facilitate Post-graduate registration for 2010/2011 academic session.

Prospective Students' Admission Portal: developed a web portal to enable prospective students: apply for admission, check post-UME result, admission status, interview details, interview result and ICT Training Group. Also, created an Excel worksheet to automate calculation of composite score.

Campus Alert: a SMS Solution maintain the SMS solution implemented last year by the unit to serve the SMS need of the University community.

Impacts

The Result Processing System has greatly reduced the shortcoming encountered with former systems. The e-Exam Schedule Checker: resolved the issues and shortcoming encountered by students doing e-examinations.

PG Registration Portal and Prospective Students' Admission Portal: provided web-based medium for PG and Prospective students to apply for admission eliminating the bottle-neck experienced with manual processing.

Campus Alert enable sending text message of targeted phone numbers. This has been very handy in getting information across on very short notice.

EduPortal

In-house generation of access code not only saved the University repeated expenditure but became a regular income source for the University.

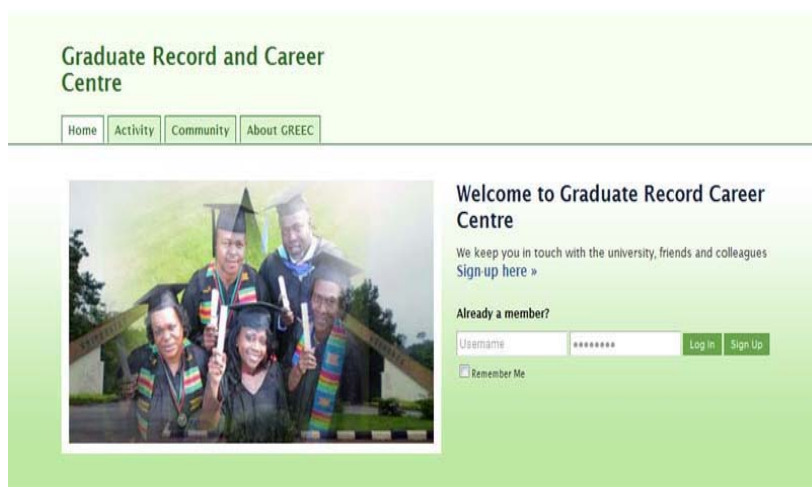


Scratch Card (Access Codes)

Admission and Course Registration (2009/2010 and 2010/2011 sessions): The following were accomplished to enable prospective students register and monitor their application online.

- Generated and activated 10,000 Access Code for Post-UME Registration (2009/2010 session)

- Generated and activated 10,000 Access Code for Checking Post-UME Result (2009/2010 session)
- Generated and activated 9,007 Access Code for checking Screening Details (2009/2010 session) of which 7,173 was used
- Generated and activated 10,000 Access Code for checking Admission Status (2009/2010 session) of which 5,471 was used
- Generated and activated 10,000 Access Code for checking Acceptance Status (2009/2010 session) of which 2,587 was used
- Generated and activated 10,000 Access Codes for Freshmen Course Registration (2009/2010 session) of which 2,475 was used
- Generated and activated 10,000 Access Codes for Returning Students Course Registration (2009/2010 session) of which 6,100 was used
- Generated and activated 10,000 Access Codes for Post-UTME Registration (2010/2011 session) of which 8,431 was used



Training

ICT Training for Fresh Students:

In line with the mandate of the ICTREC, the unit participates in training.

The unit prepared the course manual and PowerPoint slides for Introduction to eRegistration and went ahead to present the course during the ICT Training for Fresh Students

ICTREC Training Programme

The Unit also take the following professional courses in the ICTREC Training Program

- Java
- Visual Basic.net
- Web Design course

UNAAB ICTREC and Website Ranking

ICTREC has become the most dramatic in its operations and effects on campus life by offering a window which opens the University to the academic world. In the last few months it has created noteworthy and noticeable changes in our global web presence among other achievements. Some two years ago, the UNAAB website was anything but a mere paper on the wall. By introducing changes in the design and management of the contents of the <http://www.unaab.edu.ng> website, this Unit succeeded in raising the profile of the University and thus ensured the listing of the website among the first 10 in Nigeria, the first 100 Universities in Africa apart from chalking up a place for itself by catapulting over 499 Universities in the world within six months and it is still growing.

The Unit is equally among the cost saving Units in locally developing several costly elements like scratch cards that have saved the University several millions of Naira apart from developing the Content Management System now available to the different Units in the University including the Webometrics Unit. Campus wide communication is now facilitated by the development of Campus SMS Alert System. Among the highlights of the achievement of the Unit are:

Redesign of the University Website:

The University Website was redesigned from and ported to a Content Management System to enhance update, maintenance and administration.

Creation of Several Sub-Domains: The following sites were designed and integrated as sub-domains to the University Website

- IFSERAR: Institute of Food Security, Environmental Resources and Agricultural Research
- LIBRARY: Nimbe Adedipe Library
 - GREEC: Graduate Records and Career Centre
 - WANOART: West African Network on Organic Agriculture Research and Training
- **Website Updates:** Contents of the website were updated as information is made available to keep it up-to-date and relevant

For example, Weekly News Bulletin in electronic format of the UNAAB News Bulletin is sent to

- All past Vice-Chancellors of UNAAB
- All Currents Professors in UNAAB
- Vice-Chancellors of other Universities in Nigeria

❖ School Calendar for the new session

❖ News: to disseminate information and events in the News module

❖ Online job advertisement: Vacant position for Junior and Senior (Academic and non-academic) staff were advertise on the university website

❖ Hostel Accommodation List

• Web Application Development

- o **Campus Alert (SMS Solution):** maintain the SMS solution implemented last year by the unit to serve the emergency needs of the University community. So far it has in its database the phone numbers of all students and staff including all staff e-mail addresses
- o **2009/2010 Admission Procedures:** The following modules were developed and added to the university's website to enable prospective students register and monitor their application online.
 - Generated and activated 10,000 Access Code for Post-UME Registration



« Generated and activated 10,000 Access Code for checking Post-UME

- **Student Registration (EduPortal)**

- Generated and activated 10,000 Access Code for Online Acceptance Form
- Generated and activated Access Code for Course Registration: 10000 cards for New Students and another 10,000 cards for Returning Students
- Manned a complaint station to correct issues students have when registering.
- Design of Scratch Card and convocation advert.

TRAINING AND USER UNITS

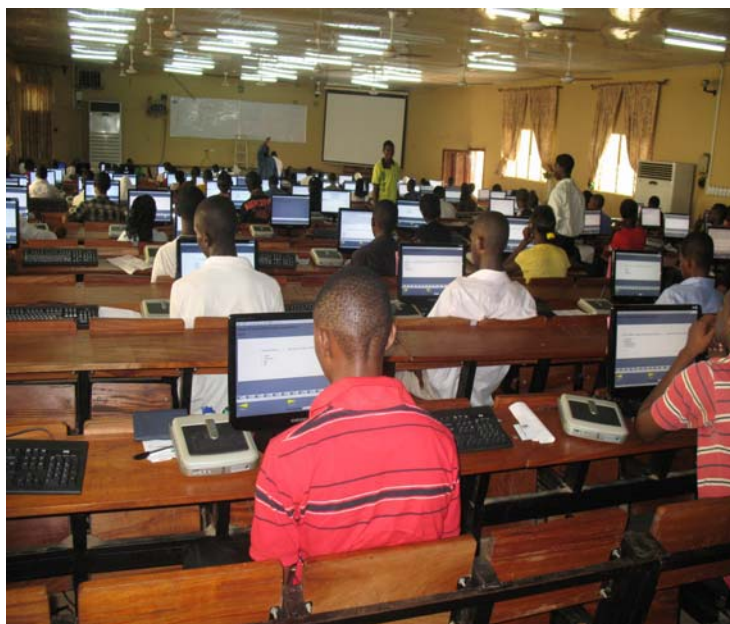
The Centre made dramatic contributions to computer literacy that cuts across the Campus among students and staff and the training course have become recognised for its achievements in raising computer literacy through various bespoke ICT training programme on Campus and in the ICTREC training Unit now domiciled in LEMCEL building at Oke-Itoku in the heart of Abeokuta with facilities for CISCO Certification and other related ICT courses. The following tables sums up the number of trainees in the last twelve months:

Date of Training	Course Description	Numbers Trained
Jan to Mar 2009	Data Processing	108
Apr to Jun 2009	Data Processing	47
Sep to Jan 2010	Data Processing	64
Jan to Mar 2009	ICT/Computer Engineering	105
Apr to Jun 2009	ICT/Computer Engineering	31
Sep to Jan 2010	ICT/Computer Engineering	29

ICTREC successfully organized a most revolutionary ICT training for all the fresh students over three weeks with much acclaim. The responses of the trainees to the training were eye-opening and an encouragement to the University.

MULTIMEDIA AND INSTRUCTIONAL TECHNOLOGY UNIT

The desire of the University Management is to achieve full multimedia deployment in all classrooms. This has been achieved for only a few of the classrooms and lecture theatres. For the three classrooms that constitute the Julius Amiobi Okojie Lecture theatre complex, it is already possible for lectures and any other activities going on in Hall I to be received simultaneously in the other two halls with clear sound and video. The goal is to make the lecture halls accommodate the larger classes and provide the state of the art modern classroom technology that will enhance lecture delivery and learning. Today, with a 2,000 seat capacity, the centre is becoming attractive for most activities pulling crowd such as inaugural lectures, matriculation, etc.



EXAMINATION MONITORING AND INVIGILATION WITH CCTV CAMERAS

A new development in the deployment of instructional technology is the extensive monitoring of the e-exams through CCTV cameras which are directed at a widescreen LCD monitors in the two centres for students examination. With this implementation student cheating and other examination malpractices were reduced to the barest minimum.



ICT INFRASTRUCTURE AND RELATED ISSUES

Network

Following the outbreak of malware recently it was decided to invite a company to help resolve the internet security problem posed through the installation of a Gateway Firewall to block some DNS servers and now they will also be blocking certain domains from which we suspected regular hostile attacks.

Personal Computing

Exchange rate changes are giving significant cost increases. It was noted that the IT in the newly refurbished MPB3 and MPB4 which now constitutes the UNAAB ICTREC Central Computer Laboratory had turned out to be a positive improvement and is already contributing to the lowering of the previously high student computer ratio on UNAAB Campus.

High Performance Computing (HPC)

The goal of ICTREC is to work towards the achievement of HPC as soon as the internet deployment situation on Campus is resolved so as not to put undue pressure on the existing network. Core link will have to be updated and could be sustained by capital budget proposal.


Standard Desktop Initiative and Laptops for Staff

All ICTREC, whose duties require the use of laptops and desktops, have none because no provisions were made for them in the past and in the current budget. We all have been making do with personal laptops to do the job of the University.

e-Exams Schedule Portal: Home Page

The screenshot shows the home page of the e-Exams Schedule portal. At the top, there is the University of Agriculture, Abeokuta logo and name, with the tagline 'Knowledge for Development'. Below this, the text 'e-Exams Schedule' and 'Second Semester 2010-2011' is displayed. A large image of a student writing is on the left. On the right, there is a section titled 'Check Your e-Exam Schedule Here' with input fields for 'Matric. No.' and 'Surname', and a 'Check...' button. Below the input fields, it says 'Have any problem checking? visit the ICT Centre.' At the bottom left, it says 'Powered by UNAAB ICTREC.'

The above screen shot shows the home page of the e-Exams Schedule portal where students login to access their e-exams time table. The students are expected to use their matriculation number and surname to access the website.



UNIVERSITY OF AGRICULTURE, ABEOKUTA
Knowledge for Development

e-Exams Schedule
Second Semester 2010-2011

[Print](#) | [Logout](#)

Name
USMAN
TAJUDEEN
BABATUNDE

Surname
Firstname
Othernames

College
College of Animal Science and Livestock Production (COLANIM)

Department
ANIMAL BREEDING AND GENETICS (ABG)

Matric. No.
20080199

S/N	Course Code	Course Title	Date	Time	Batch
1	CHM102	INTRODUCTORY ORGANIC CHEMISTRY	Thursday, 02 June, 2011	8:00AM-12:05PM	A
2	AEM102	PRINCIPLES OF ECONOMICS	Thursday, 02 June, 2011	2:30PM-6:15PM	A
3	APH202	INTRODUCTION TO ANIMAL AGRICULTURE	Tuesday, 07 June, 2011	8:00AM-12:05PM	A
4	AGE222	INTRODUCTION TO FARM MACHINERY	Monday, 13 June, 2011	2:30PM-4:00PM	A
5	PHS364	ENERGY AND ENVIRONMENT	Tuesday, 14 June, 2011	8:00AM-10:25AM	A
6	ARD202	PRINCIPLES AND PRACTICE OF AGRIC. EXT. AND RURAL SOCIOLOGY	Tuesday, 14 June, 2011	10:30AM-12:05PM	A
7	WMA202	INTRODUCTORY CLIMATOLOGY AND BIOGEOGRAPHY	Tuesday, 14 June, 2011	4:00PM-6:15PM	A
8	AEM204	ENTREPRENEURIAL STUDIES FOR AGRICULTURE	Thursday, 09 June, 2011	10:30AM-12:05PM	A
9	ANP102	INTRODUCTORY ANIMAL PHYSIOLOGY II	Tuesday, 07 June, 2011	12:10PM-2:00PM	A
10	PCP202	ANATOMY TAXONOMY AND PHYSIOLOGY OF AGRICULTURAL PLANTS	Friday, 10 June, 2011	8:00AM-9:30AM	A
11	GNS203	USE OF LIBRARY FOR NON-MAJOR	Wednesday, 15 June, 2011	8:00AM-12:05PM	A


Student E-exam Schedule Print-out

The above screen shot shows the print-out of a student for the e-Exams. The print out shows the student's personal details, the course titles, course codes, time, date and batches.


e-Exams Administrative Centre								
Logged on as admin Log out Advanced search Export results Print this page Print all pages Import								
Studentdetails Add new Inline Add Edit selected Delete selected Export selected Print selected								
		Id	Matric	Course Code	Dept Code	Surname	Firstname	Others
<input type="checkbox"/>	Batch (11)	1	20080199	CHM102	ABG	USMAN	TAJUDEEN	BABATUNDE
<input type="checkbox"/>	Batch (10)	2	20090178	CHM102	ABG	ABIODUN	GRACE	OLAIDE
<input type="checkbox"/>	Batch (12)	3	20090180	CHM102	ABG	ADEGBUYI	IDRIS	SEGUN
<input type="checkbox"/>	Batch (12)	4	20090193	CHM102	ABG	AKANDE	OLUSAYO	ADELEKE
<input type="checkbox"/>	Batch (11)	5	20090222	CHM102	ABG	MUHAMMED-AWAL	ABIOLA	TOHEEB
<input type="checkbox"/>	Batch (9)	6	20090223	CHM102	ABG	ODEYALE	OLAYIWOLA	OLUWASEUN
<input type="checkbox"/>	Batch (9)	8	20100294	CHM102	ABG	ADEBIYI	ADEOLA	KAFAYAT
<input type="checkbox"/>	Batch (9)	9	20100295	CHM102	ABG	ADELEYE	OLUWASEGUN	SIKRULAI
<input type="checkbox"/>	Batch (9)	10	20100296	CHM102	ABG	ADENEYE	ADELEKE	OLUWAFUNBI
<input type="checkbox"/>	Batch (9)	11	20100297	CHM102	ABG	ADEPOJU	ADEDAYO	OLUDOLAPO
<input type="checkbox"/>	Batch (9)	12	20100298	CHM102	ABG	ADEPOJU	AYOBAMI	DOLAPO
<input type="checkbox"/>	Batch (9)	13	20100299	CHM102	ABG	ADEPOJU	OLUWASEUN	ADEPEJU
<input type="checkbox"/>	Batch (9)	14	20100300	CHM102	ABG	ADESEGUN	OMOTUNDE	AKEEM
<input type="checkbox"/>	Batch (9)	15	20100301	CHM102	ABG	AKANNI	OPEYEMI	OLAMIDE
<input type="checkbox"/>	Batch (9)	16	20100302	CHM102	ABG	AKINLABI	OLUWAFUNKE	IMOLEAYO
<input type="checkbox"/>	Batch (9)	17	20100303	CHM102	ABG	AKINSANYA	ADEOLA	HABEEB
<input type="checkbox"/>	Batch (9)	18	20100304	CHM102	ABG	AKINTAYO	AJIBOLA	KAMORU

e-Exam Schedule Administrative Centre

The above screen shot shows the administrative centre used in managing the e-Exams Schedule portal.


UNAAB Online Community
 Knowledge for Development

[Home](#) | [Activity](#) | [Community](#) | [About](#)



Welcome to The University of Agriculture Abeokuta Socio-Academic Network

Start uploading publications, thesis, events and write about your activities to share with friends and colleagues today. [Sign-up here](#)

»

Already a member?

☐ Remember Me

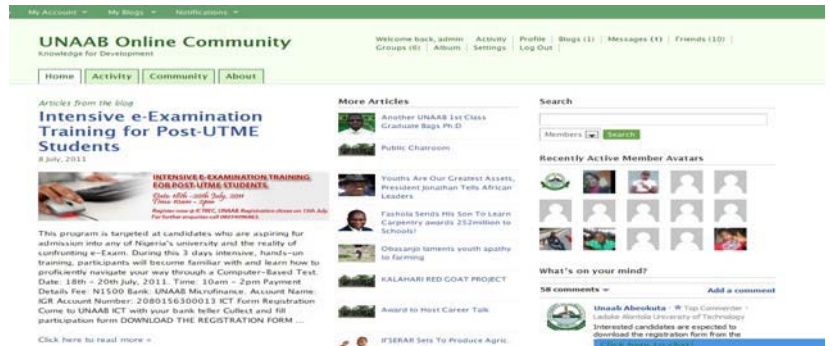
UNAAB Online Community

The above screen shot shows the home page of the UNAAB Online Community, an online socio-academic network for information sharing, collaboration, research and development.

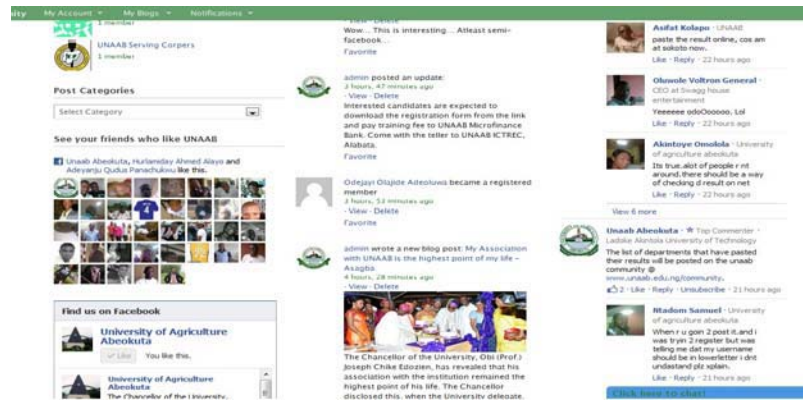
UNAAB Online Community:

Members' Area

This screen shot shows the page of a logged-in registered member. A registered member has privilege to services such as published news, announcements and events. A registered member can also post comments, photos, join groups, raise topics for discussions e.t.c.



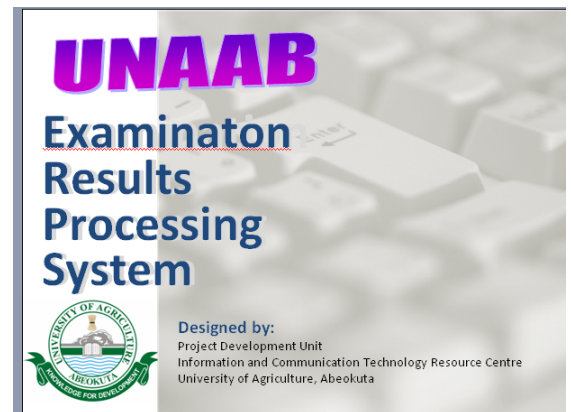
This screen shot shows the different sections of the community accessible to the public online. The sections shown are Groups, Facebook likes, UNAAB facebook news, news feed and comments.



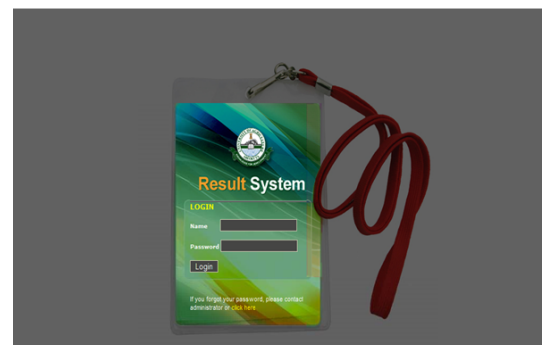
In-House Development of Examination Results Processing System

A challenge posed to the ICTREC was the directive to create an Examination Results Processing Solutions for the University. This was a fall-out of the problems raised in Senate about the previously in-use system, developed by one of the staff of the University, which elements were found to pose problems and limited in various areas in the production of the final examination results and tables needed by Senate. In particular the earlier solution was found to be rigid in terms of scope and equally unable to be used for generating student transcript.

As a solution an ICT team was constituted and a timetable was set for implementation against the 2011/2012 Academic pressure mounted in Senate, the scheduled time table was revised and the solution was delivered and available for use for the First Semester 2010/2011. Improvements were made in the light of the request by staff users who eulogized the ICTREC solution as robust, flexible and adequate. Encouraged by the rave review of the solution it was in full use during the Second Semester. The new solution cuts by several weeks/months the



Session. However, with the Login Page



time and removes the previous headaches that were usually expressed during examination processing previous in the past.

3.3.3 WEBOMETRICS CENTRE



Dr. O. Folorunso
Coordinator, Webometrics Centre

Webometrics Centre is one of the new initiatives of the Administration of Professor Oluwafemi Olaiya Balogun in order to put the Institution into global timeline.

Since the mid-1990's, increasing efforts have been made to investigate the nature and properties of the World Web, named the "Web", by applying modern informetric methodologies to its space of contents, link structures and search engines. Studies of the web have been termed "Webometrics" (Almind & Ingwersen, 1997). Webometrics displays several similarities to informetric and scientometric studies and the application of common bibliometric methods. Take for instance, Simplistic Counts and Content Analysis of Web pages are like traditional publication analysis, counts and analyses of outgoing links from web-pages, named outlinks and of links pointing to web pages, called Inlink can be seen as reference and citations analyses respectively. Outlinks and Inlinks are then similar to references and citations.

Prior to 2006, no University in Nigeria made the list of World Universities Ranking on the web. In 2006, Africa has only six Universities in the World's best 1000 Universities ranked and the six African Universities are from South Africa while Nigeria has only five Universities in the Webometrics Ranking of top 100 African Universities, viz: Ibadan (57th); OAU (69th); Benin (78th); Lagos (90th) and UNIJOS (98th).

BRIEF HISTORY OF WEBOMETRICS CENTRE

The Federal Government through the National Universities Commission organized a seminar sometimes in 2009 at Abuja on the Webometrics ranking where all the Vice-Chancellors were informed to improve on their web representations. Arising from the seminar, the Centre was established at the third meeting of the Expanded Operations Management and Advisory Team (E-OMAT) on Monday 27th April 2009, the first of its kinds in the history of UNAAB since inception. The pioneering coordinator of the Centre was Dr. B.S. Badmus, a Senior Lecturer in the Department of Physics; whose appointment took effect from 5th May, 2009. He then suggested a committee to the University's management which was then approved. Memberships of the Committee are:

Dr. B.S. Badmus	Chairman	Physics
Dr. A.S. Sodiya	Member	Computer Science
Dr. G.A. Adebayo	Member	Physics
Dr. S.O. Iposu	Member	Animal Production & Health
Mr. O.E. Adeosun	Member	ICTREC
Mrs. A.O. Oduwole	Secretary	Registry

The university management met with the Webometrics committee on 3rd June, 2009 to effect the taking off of the centre. Arising from the meeting, the need for a website Administrator was discussed extensively and the Director, ICTREC was requested to deploy one website administrator to the Webometrics Centre while the Registrar was mandated to deploy a Secretary and a Clerk to the Centre. In view of this, Mr. O. E. Adeosun was deployed as Website Administrator, Mrs. R.O. Itajobi as Senior Secretarial Assistant II and

Mrs. L.O. Omotuyi as Clerical staff. The management also gave approval to the appointment of nine (9) casual Data Entry operators in which advertisement was placed and the following successful nine applicants were appointed in August, 2009:

1. Mr. Dem Joseph John Dem
2. Mr. Gbolahan Olaniyan
3. Mr. 'Femi Omopari-Iwa
4. Miss Kehinde M. Adeyeye
5. Miss Oluwashola E. Ola
6. Mr. Sodiq Onaolapo
7. Mr. Erinfolami Olalekan
8. Mrs. O. Fagbohun
9. Mrs. E. Folasade Adenekan

The incumbent Coordinator is Dr. Olusegun Folorunso, a Senior Lecturer in the Department of Computer Science, whose appointment took effect from 16th August, 2010.

FUNCTIONS OF THE CENTRE

1. Gathering appropriate data from all Departments, Centres and Units: Publishing good contents on web is a principal factor in Webometrics ranking. Thus, the main function of the Centre is to gather appropriate data from all departments, centres and units across the University. In order to achieve this, the following actions were taken:
 - i. A memo was sent to all Colleges requesting for their representatives at the Centre to perform the following terms of reference:
 - a. Check for errors, omissions etc of published contents as it affects members of the College (Academic and Non-Teaching Staff).
 - b. Liaise with the Webometrics Centre on any update, news, events, etc from time to time as it concerns the College.
 - c. Come up with any observations/suggestions that could enhance the web ranking of UNAAB.

The List of College Representatives are:

1.	COLNAS	Dr. K. O. Ademolu
2.	COLERM	Dr. A. O. Agbon
3.	COLAMRUD	Dr. Adebayo Shittu
4.	COLFHEC	Dr. A. Adebowale
5.	COLPLANT	Mr. A. O. Oduwaye
6.	COLANIM	Dr. I. J. James
7.	COLVET	Dr. A. O. Talabi
8.	COLENG	Engr. P. O. Dada

- ii. A memo was sent to all Colleges on 12th November, 2009 requesting for Departmental update of web content in which the departments were expected to provide the following information:
 - a. Brief History of department
 - b. Area of specialization, options that exist in department especially at postgraduate level
 - c. Departmental Course Synopses
 - d. Ongoing Research
 - e. Staff Profile
 - f. Any other information that will enhance ranking
- iii. As follow up to the above, the Centre observed that Professors in some departments did not comply with the directive of submitting their profile to be posted on the web. In view of this, a memo was written to the Vice-Chancellor on 3rd February, 2010 requesting for his intervention in getting across to the concerned professors.
- iv. Webometrics Committee met on 29th January 2010, at which members recommended a Local Ranking within the academic department to act as a means of gathering relevant information from departments. The recommendations got the Vice-Chancellor's approval and the following criteria were then requested:
 - a. List of Staff with their detailed profile.
 - b. Students enrolment statistics: (Gender Admission and No. of International Students).
 - c. Publications Web Uniform Resource Locator (URL).
 - d. Course Synopsis and Lecture materials.
 - e. On-going departmental research
 - f. Requirement for admission (both Undergraduate & Postgraduate)
 - g. Laboratory status where applicable (i) Laboratory Equipment (ii) Staff (Technical).
 - h. Name of Department (Acronym)
 - i. Foundation Year
 - j. Accreditation Status
 - k. Departmental Affiliation with Professional Bodies
 - l. University Course level and Area of Studies (for Undergraduate, Certificate/Diploma & Postgraduate: Master and Ph.D).
 - m. Department Information and Statistics: Total Enrolment and Total Staff
 - n. Financial Aids/Scholarships existing within Department.

Non-financial prize/gifts were attached to motivate and gear up departments toward responding to memos concerning web matters and also to prepare the University for World ranking. At the end of the day, few departments responded promptly and the following departments emerged the first five best.

Department	Score	Position	Prize
Animal Physiology	66.10%	1 st	3 laptops
Soil Science and Land Management	59.02%	2 nd	1 laptop
Chemistry	56.89%	3 rd	1 laptop
Physics	56.88%	4 th	1 laptop
Veterinary Microbiology & Parasitology	56.67%	5th	1 laptop

2. To transform the collated data into web content: To achieve this, the Centre through the Management appointed nine (9) Casual Data Entry Operators in August 2009, who have been inputting and transforming data collected from all departments, Centres and Unit into web contents uploaded into the University website.
3. To present the University well to the whole world through the rich web contents: The web Designers at the ICTREC and the web Administrator at the Webometrics Centre are working round the clock in seeing that the appropriate content are published daily. Their efforts received the commendation of the Webometrics Committee at its meeting held 14th April, 2010.
4. To see to the regular update of the University website
5. To see that the University website is up and running 24/7.

COLLABORATIONS

1. The Centre wrote to the Science Dissemination Unit (SDU) Abdus Salam International Centre for Theoretical Physics (ICTP), Italy, applying for an International Academic Webcasting Grant for Developing Countries using OPEN Enhance Your Audience (EyA).
2. The Webometrics Centre, Centre for Internationalization and Partnerships and ICT Resource Centre collaborated with CTA Netherlands in organizing a web 2.0 Technologies Training in UNAAB on 20th – 24th September, 2010. As follow up to this training a 4-day in-house workshop for Units and Departmental nominees in UNAAB will take place between 1st and 4th November, 2010.

ASSESSMENT OF THE UNAAB WEBSITE WITH OTHER HIGHLY RANKED INSTITUTIONS

An assessment of the University website was conducted recently with the technical crew at both the ICTREC and Webometrics Centre. The following observations were made:

1. The web had very large volume of contents
2. It is being updated regularly
3. The content management software being in use is not the most current one.
4. Institutional published journal, ASSET, was not put on the website.
5. Lecture notes, past questions as well as tutorials were yet to be incorporated into the website.
6. Most lecturers' published journals were not referenced with the URL of where they can be located for academic purposes.
7. The Webometrics Centre is making efforts as a matter of urgency with the Unit in National Universities Commission (NUC) responsible for Webometrics Ranking of Nigerian Universities to know the basic ranking indicators.

WORLD UNIVERSITY RANKING

At the commencement of the Centre in May, 2009 the University was ranked 5th position among other Universities in Nigeria and 97th in Africa.

In January 2010, we took 6th position in Nigeria and 70th position in Africa. Lately, the University is 16th position in Nigeria as released by www.4icu.org. The centre noticed the inconsistencies of the ranking body in July 2010 result.

The latest 2010 Universities Webometrics Ranking was conducted by the www.webometrics.info. Amongst 12,003 Universities of the world that made the league table from over 20,000 Universities, UNAAB has been ranked 12th position amongst sixteen Universities in Nigeria that made the league table. The centre wishes to note that UNAAB has never featured in the league table ever since this body started Webometrics ranking in 2004.

Presently, the Centre is preparing for the next ranking in January, 2011 and the following actions had been taken in order to have a better position:

- Publishing of past inaugural lectures on the web
- Collection of 5 series of ASSET Journal from the ASSET Editor on Chief, to be published on web
- Collaborating with some Centres such as IFSERAR, AMREC, PG School, Library, Public Relation to mention but few in order to show case the University real worth.
- Sending of weekly tips to the University Community to sensitize them on various updates and opportunities on our website.

WEBSITE HOSTING ORGANISATION

UNAAB has been using the services of Skannet to host the University Website. But presently the UNAAB website hosting services have been epileptic leading to the sending of a memo on its observation on University website to the Director, ICTREC on 22nd September, 2010. Decisive action is needed in order not to jeopardize all efforts the Centre is putting to boost our ranking efforts.

3.3.4 PHYSICAL PLANNING UNIT



Mr. B.A. Ayodele
HND, MBA (Akure)
Director, Physical Planning

The Physical Planning Unit came on board on the recommendation of the National Universities Commission (NUC), at the inception of the University, and has been in existence since then. The Unit is an internal consultancy unit of the University to advise on capital projects and liaises with external consultants, where necessary. As one of the units under the Vice-Chancellor's office, it is headed by a Director. He is responsible to the Vice-Chancellor for the day-to-day running of the unit. The Physical Planning Unit prepares physical development programmes, monitors and co-ordinates physical development activities of the University with the framework of the approved master plan by the NUC. The unit is responsible for the implementation of the University master plan. It also ensures that any development within the University conforms strictly to the provision of the master plan. The Physical Planning Unit guarantees maximum and efficient utilization of scarce land resources to meet the academic aspirations of the University. The unit also reviews the stock of the University buildings and infrastructural facilities in order to determine their performance.

Some Newly Completed Buildings







Mrs F. T. Aroyeun
Director, Internal Audit

ACTIVITIES OF DIRECTORATE OF INTERNAL AUDIT

INTERNAL AUDIT

The laws establishing Nigerian Universities provide for the assignment of accounting functions and responsibilities as charged to the governing body “Council”, for general control supervision of the policy, finances and the safeguarding of the property of the University.

However, since the Council is not always on ground in the University, the Internal Audit is saddled with this task and thus is designed as an independent appraisal body of the activities within the University system as a basis for protective and constructive service to the management. Indeed, it is a Management control system which functions by ensuring adherence to controls put in place by Management, measuring and evaluating the effectiveness of other controls.

The overall objective of internal auditing, therefore, is to assist all levels of Management to discharge their duties properly to enhance effective and efficient utilization of government funds. Nevertheless, the Internal Audit is to ensure that the University achieves its set objectives at a minimum cost and in accordance to the laid down rules and regulations of the Council/Management, Standard Accounting Practices and Laws of Federal Republic of Nigeria.

The Directorate of Internal Audit, University of Agriculture, Abeokuta is a Unit under the Vice-Chancellor’s office. It is headed by Mrs. F. T. Aroyeun, a fellow of The Institute of Chartered Accountants of Nigeria (ICAN). The Directorate is well staffed with 17 auditors among whom are five (5) Chartered Accountants and three Certified Accountants.

Internal Audit being a non-statutory audit set up by Management to monitor compliance with internal controls and procedures put in place by the Management. Internal control are the whole systems of controls financial and otherwise set up by Management to ensure that the business of an organization is conducted in an orderly and efficient manner to safeguard its assets, ensure compliance with Management policies and to secure as far as possible the completeness and reliability of the accounting records.

The Directorate of Internal Audit UNAAB is expected to ensure that things are done in a proper way, ensuring that controls put in place are adhered to. The financial and non-financial aspects of the system are constantly being reviewed. The Directorate carries out both pre and post auditing of all the activities of the University. She also ensures that all assets of the University are safeguarded, all purchases and contracts are at reasonable costs and due process is followed in procuring them.

In general, the Directorate sought to add value to the University system by giving qualitative advice to assist in the efficiency, effectiveness, economy and corporate governance of the University.

The following Units exist under the Directorate:

1. Treasury and Bank Reconciliation Unit
2. Salary, Loans and Advances/Pension Matters
3. Expenditure Control Unit
4. Performance Evaluation/Budget Control Unit
5. Cost Centres, that is; Industrial Park Unit, UNAAB Consult, Staff School, TREFAD, INHURD
6. Price Intelligence and Monitoring Unit

All the above Units are headed by Unit Heads while the Director coordinates the overall activities of the Directorate.

The breakdown of the Directorate into various Units was to allow for proper overview of the University activities as a whole coupled with the fact that the University is advancing at an increasing rate.

The Director being a member of Central Project Monitoring Committee and Budget Committee handles all capital project matters and personally treat all payment vouchers in this regard after ensuring that all due processes had been adequately followed and the work done on site is commensurate with the Certificate presented for payment.

Each of the Unit above prepares a monthly report to the Director of Internal Audit who is the overall head of the Directorate. The Director now prepares a report on quarterly basis on the activities carried out by the auditors which she forwarded quarterly to the Vice-Chancellor to assist in making Management decisions.

Expenditure Control

This Unit carries out the prepayment audit of every voucher initiated by the Bursary Department before they are being passed for payment after they must have been found to be complete, correct and reasonable. Reasonable in the sense that it must have passed through the Price Intelligence/Monitoring Unit to confirm that such prices are not exorbitant and the University is not being defrauded in any way. All cash advances are recorded by this Unit and the beneficiary is cleared immediately he retires the advance. However, if he or she fails to retire the advance, the salary of such staff is stopped until he or she retires the advance and his salary will be released accordingly. The Unit consists of four auditors headed by a Principal Internal Auditor.

Salary, Loans, Advances and Pension Matters

This Unit deals with every remuneration matters of all categories of staff, that is; Academics, Senior Non-Teaching staff, Junior Staff, Casual Staff, Associate Lecturers and Pensioners. All the claims of these categories of workers are perused and all necessary observations made are corrected before such claims are passed for payment. This Unit consists of three Auditors headed by a Chief Internal Auditor.

Treasury and Bank Reconciliation Unit

This Unit carries out the post payment audit of ALL payment vouchers that must have passed through the Internal Audit to confirm their completeness, accuracy and to ensure that any omission noted is promptly reported. The Unit also carries out the reconciliation of all payments made by the University via mandate initiated by the Bursary Department with all internally generated revenue, Federal Government subventions and other allocations to ensure that all monies are properly accounted for. Four Auditors work under this Unit and the Unit Head is a Chief Internal Auditor.

Industrial Park Unit/University Consultancy Services

This Unit oversees the activities of the profit making ventures of the University that produces its Internally Generated Revenue (IGR). All payment vouchers from these Units are handled by the Auditor to ensure its reasonableness so that the profit of the Industrial Parks Unit and Consult is not misappropriated in any way. The Unit has two Auditors working together to ensure profitability. The Unit has a Principal Internal Auditor as its head.

Price Intelligence and Monitoring Unit

This unit is the baby of our present Vice-Chancellor. It is a Unit that is used to regularize the prices of all items purchased within the University. This Unit liaises with suppliers in order to ensure that materials/goods purchased are bought at the least cost price.

With the presence of the Unit in the Directorate, a lot of fund has been saved by the University, wastages has been drastically reduced.

This is a one-man Unit, however, all auditors in the Directorate are fully involved in this and the Unit has helped the University conserve a lot of fund which has been used for the development and advancement of the University.

Performance Evaluation/Budget Control

This unit appraises the various projects being embarked upon by the University in order to determine its profitability. Projects like ICETOP, ICTREC, Asset Journal, Research, etc. The Unit also monitors the budget activities.

Apart from the above, some of the Auditors have been assigned to the different Colleges within the University. Also they oversee the activities of the University Staff School and the UNAAB International School. All payment vouchers from the Departments, Colleges, Staff School and UNAAB International School passes through the Directorate of Internal Audit for prepayment audit.

All purchases by any Unit, Department, College, Staff School and UNIS **MUST** be verified by Internal Auditors and the invoices or receipt for such payment authenticated by auditor's after confirming the prices of such payment from the Price Intelligence and Monitoring Unit (PIMU).

All assets purchased by Units, Departments and Colleges are verified by Auditors who ensure that such assets are recorded in the Asset Register and the name of the University is inscribed on such asset before payment are made to suppliers of such asset. This is done in order to safeguard the asset of the University from proliferation and conversion of such to personal properties. On yearly basis, the list of all assets of the University is collated. This is to create the awareness that Auditors are watching and monitoring University assets.

All the above are forms of controls established by the Management in order to ensure that the day-to-day work and activities within the University is carried on in an orderly and efficient manner to ensure the safeguard of the University assets and secure as far as possible the completeness and accuracy of records.

College Auditors

The College auditors assigned to all Colleges examine all books of account in the College to ensure that all transactions and purchases are at reasonable costs and all items purchased are verified, their receipts vouched and ensure adherence to laid down accounting policies. Reports on the financial activities of the Colleges are submitted on quarterly basis.

This report assists the Management in making quarterly allocation to Colleges and Departments within the University.

INHURD

The Resident Principal Internal Auditor deployed to The Institute of Human Resources Development (INHURD) report directly to the Director, Internal Audit on all the activities of the Institute, verify all purchases, vouch all financial transactions and ensure the safeguard of the assets of the Institute by ensuring inscription of the Institute's name on the asset and entering of same in the Asset Register.

He sends quarterly reports on the activities of the Institute to the Director of Internal Audit for onward submission to the Management.

Cash Advances

Unretired cash advances have been drastically reduced. The Directorate also ensures that officer who collect cash advance executes the job/assignment for which such advances are released and the sum is

subsequently retired. Any officer that fails to retire any money advanced to him within a period of two months will have his salary withheld until such advances are retired.

The Directorate presently issue out clearance Certificate upon the retirement of cash advances.

Training

During the period under review, an in-house-training was organized by the Director of Internal Audit. A council member of the Institute of Chartered Accountants of Nigeria was invited to conduct the training for all Auditors.

The Director of Internal Audit and three other auditors had been sponsored on international training during the current administration while all the Chartered Accountants in the Directorate were sponsored by the University to attend the 4th Western District Conference of ICAN in February 2010 at Akure, Ondo State, Nigeria.

Also, the members of Association of National Accountants of Nigeria were also sponsored by the University to attend the Mandatory Continuous Professional Education (MCPE).

It is worthy of note that since inception, this level of staff development has never been experienced in the Internal Audit Department of the University. This shows how supportive the current Vice-Chancellor is to staff training and development.

FUTURE PLANS

Interactive Session for College Officers

The Director of Internal Audit has plan to have interactive session with all spending officers on College basis to put them through on the procedures that must be followed in requesting for fund allocated to Colleges to prevent mopping up of same, retirement of cash advances and other necessary accounting procedures to be followed.

Computerization of the Directorate

Finally, the Directorate also eagerly looks forward to being computerized as this will greatly assist and complement the audit work on all financial transactions and ensuring proper budget monitoring and production of timely report for Management decision making.

3.3.6 STUDENT AFFAIRS UNIT



Professor S.A. Oluwalana
B.Sc, M.Sc, Ph.D. (Ibadan)
Dean, Student Affairs

A. WELFARE OF STUDENTS

There has been a rapid increase in students' facilities/services in the following areas:

i. Hostel Accommodation



Female Hostel



Male Hostel

Construction of a female and a Male Hostel every year since assumption of office of the present Vice-Chancellor.

- i. Rehabilitation of existing Hostels
- ii. Wall-fencing of the Female Hostels

ii. Transportation

Transportation facilities have been significantly provided in the following areas:

- i. Purchase of 4Nos. 32-seater Coaster Buses, 1 No.43-seater Bus and 1 No. *Alummaco* luxurious bus for students
- ii. Importation of 13 Nos. 42-seating and 33 standing Buses
- iii. Federal Government Donation of 1No. 18-seater Bus for the Student Union Executive
- iv. Federal Government Donation of 1 No. 18-seater Bus for the Student Road Safety Club
- v. Purchase of 1No. 18-seater Bus for the Physically Challenged Students.
- vi. Purchase of 2 No. 15-seater buses for the Student Affairs Division.

iii. Sponsorship of Students to International Conferences

- i. Sponsorship of one student to the 4th World Youth Congress in Germany in 2009
- ii. Sponsorship of four (4) students to the 5th World Youth Congress in Istanbul, Turkey in 2010
- iii. Sponsorship of two (2) Students' Union leaders to the 'Access to Success workshop, organized by the Association of African Universities (AAU) in Accra, Ghana in May, 2010

iv. Support for indigent Students

- i. Payment of School Fees/Allowances for several indigent students
- ii. Student empowerment through Weekend Student' Farm Work and in the University Library

vii. University's Sports Complex

Following the completion of the first phase of the University's Sports Complex, participation in sporting activities by both staff and students has been greatly enhanced.

In order to boost students' participation in competitive sports, the University instituted scholarship awards to outstanding sports person (male and female). The beneficiaries of these awards enjoy non-payment of all University levies, free residential hall space and N20,000.00 book allowance

It is on record that the University from 6th to 9th February, 2011 successfully held NUGA Preliminaries (Southwest Zone) with all the seven participating Universities giving kudos to the University for the sporting facilities provided for the competition.



23RD NIGERIAN UNIVERSITY GAMES HELD AT THE UNIVERSITY OF BENIN, EDO STATE

UNAAB participated in 7 sports namely Table-Tennis (Men), Badminton (Men & Women), Squash (Men & women) Taekwondo (Men & Women), Athletics (Men & Women) and Hockey. At the close of games UNAAB had 1 Gold, 2 Silver and 6 Bronze medals.

S/No	Medal type	Sports
1.	Gold	Taekwondo (Women)
2.	Silver	Table-Tennis (Men team)
3.	Silver	Badminton (Women doubles)
4.	Bronze	Table-Tennis (Men single)
5.	Bronze	Table-Tennis (Men doubles)
6.	Bronze	Table-Tennis (Mixed doubles)
7.	Bronze	Squash (Women singles)
8.	Bronze	Badminton (Women doubles)
9.	Bronze	Hockey (Men)

i. Mobilization of the University's Graduates for NYSC Programme

The mobilization of qualified graduates of the University for NYSC programme is done in the Student Affairs Division. The Division carries out this important assignment with integrity and transparency. With the support of the University Management, the University has no back-log of qualified graduates yet to be mobilized.

It is interesting to note that the name of the University has not featured in any of the NYSC lists of Institutions with observed lapses in presentation of master list of graduates for mobilization or any other illegalities being perpetrated in some Institutions.

Rather, the University has always been commended for a job well done. The University does not charge its graduates a kobo for mobilization related activities and does not get involved in the mobilization of unqualified graduates.

ii. Communication and Inter-Personal Relationship with Students

There is a good working relationship between the students and the entire staff of the Student Affairs Division. The staff, in relating with the students, acts as ‘Locus parentis’ to the students. Also as a matter of cardinal principle, Staff of the division do not shout or pass insults on students. The students on the other hand usually approach staff of the University with a reasonable level of courtesy, respect and humility.

In the Administration’s effort to bridge any possible communication gap, the Vice-Chancellor is kind enough to make his telephone numbers available to all the students. This kind gesture of the Vice-Chancellor has assisted the system to avert a lot of crisis.

iii. Protection of Students from Sexual or any Form of Harassment

The University Management has zero-tolerance for indiscipline at any level. Hence, adequate measures are put in place to prevent and deal with cases of sexual or any other form of harassment. It is interesting to note that the University, to a very large extent, is noted for having good students with a high standard of academic and moral status.

Repair of Damaged Roads within and outside the University

With the support of the University Management and the cooperation of the students’ organizations such as, Man ‘O’ War, Road Safety Club, Red Cross Society etc, the Student Affairs Division has been able to repair some damaged roads within and outside the University. One would like to recall in particular the repair of the failed portion of the Abeokuta/Ibadan road around the VIO-Camp which had become almost impassable but for the timely intervention of the Division.

General Comments

The Student Affairs Division under the leadership of the current Vice-Chancellor, Prof. Oluwafemi Olaiya Balogun, has witnessed a time of peace especially with students. The Vice-Chancellor’s character (pro-active, thoroughly honest, shrewd, discipline and accommodating) has been a major galvanizing factor. He has a willing and working passion for the welfare of students – a major factor in maintaining peace on campus.

His pro-active style, where things are done even before anyone asks is a tool for maintaining peace. Since the current Dean of students was appointed in 2008, there has been no single occasion where the Vice-Chancellor took any action on student’s welfare without due consultation. He is a study in honest, disciplined and open leadership. In the past three years as the Dean, Student Affairs, the Vice-Chancellor through the Dean had paid the school charges of more than one hundred students (apart from those not paid through the Student Affairs).

The Vice-Chancellor’s contribution to the maintenance of discipline among the students cannot be over emphasized. He introduced and sustained the noble idea of character screening of

prospective candidates recommended for admission into the University. The Vice-Chancellor also holds regular consultative meetings with the student leaders using every occasion to encourage the students to live above board not only in their academics but also in character.

The massive uplifting of the buildings and infrastructure in the Health Centre is another way the University Administration has vastly improved the welfare of the students.

3.3.7 STUDENTS' INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)



Professor M.O Ajala
B.Sc (Ife), M.Sc. (Edinburgh), Ph.D (Ibadan)
Director, Students' Industrial Work Experience Scheme

The Students' Industrial Work Experience Scheme (SIWES) is a Skill Training Programme designed to prepare and expose students of the University to the Industrial work situation they are likely to meet after graduation. The need for establishment of the scheme arose when there was a growing concern among Industrialists that graduates of institutions of higher learning lacked adequate practical background required for employment in industries. Thus, the employers were of the opinion that the theoretical education in higher institutions was not responsive to the needs of employers of labour.

In line with the foregoing, SIWES programme was designed to complement classroom teaching in the course of studies and to acquaint students with the skills needed in the industries after graduation. Students on agriculture programme are attached to farms in the University while students on forestry, science and engineering programmes are attached to industries and relevant establishments for duration of six months within the period of their degree programmes. The programme carries a number of credit units in the University curriculum.

The scheme is funded by the Federal Government of Nigeria and jointly coordinated by the National Universities Commission (NUC) and Industrial Training Fund (ITF).

Before the establishment of the unit, SIWES Committee had been responsible for all matters relating to SIWES and other aspects of students Industrial Training. However, the SIWES unit of this University was established in August, 1997 with the responsibility of handling all SIWES matters for the institution.

In line with NUC and ITF requirements, the unit was upgraded to a Directorate in the Vice-Chancellor's office in August 2001. This was to enable the unit cope with greater challenges of SIWES operations:

- 1. Compliance with the National Universities Commission (NUC) and Industrial Training Fund (ITF) requirements of functional SIWES Directorate.**

The Industrial Training Fund (ITF) and the National University Commission (NUC) require that Universities should have a functional SIWES unit with a separate SIWES account, Vehicle and computerized well furnished offices manned by competent staffers. The University had fully complied with these requirements. The aspect on SIWES Account with the SIWES Director as one of the signatories to the Account was implemented fully in 2010. The SIWES Account is with Zenith Bank, Plc. Abeokuta.

2. **Preparation of Master and Placement Lists of Students**

Students are sent on Industrial Training in industries during the second semester of their penultimate year. About four months to commencement, the Directorate usually prepares Master & Placement lists of all qualified prospective interns for approval by the NUC for onward forwarding to the ITF headquarters in Jos.

3. **Sourcing of Industries for Placement of Students**

All B. Agric programmes students do their internship on the University Farms. A committee, Teaching & Farms Management Committee (TEFAMAC), headed by a chairman is solely responsible for the training of these students on campus. The University normally funds this committee and it is accountable to the Vice-Chancellor's office. However, SIWES ensures that their records and activities are in compliance with NUC and ITF guidelines. Students from Food Science, Forestry, Environmental Management programmes, COLNAS Departments, COLENG Departments and others also proceed on IT after first semester examinations. They are attached to establishments within the catchment areas of the University.

Very recently, the University is practicalising the Community Based Farming Scheme (COBFAS), where agriculture students go to practice what they have learnt in the rural setting and demonstrate to rural farmers that farming is a business that pays. The first batch is being used to test-run the exercise for 6 months and thereafter for one year.

4. **Current SIWES Year**

The SIWES calendar does not strictly fall in line with the normal University calendar. We are operating one year in arrears. This is because the University lost a session in 2004/2005 academic session as a result of students' crises and ASUU strike. The SIWES calendar could not be changed as ITF would not approve of such. Consequently, although the University is now in 2010/2011 academic session, the 2009/2010 SIWES year is going to be completed in 2011 i.e. we are currently in the 2009/2010 SIWES year.

5. **2009/2010 SIWES Year**

The Master and Placement lists of prospective students in the 2009/2010 SIWES year had been compiled for verification by the students/Departments. The list had been sent to NUC and 1,840 total numbers of students were presented to NUC.

6. **Supervision of Students on Industrial Attachment**

Departmental SIWES Coordinators and Supervisors largely make visits to students in their places of attachment. The SIWES Directorate sometimes makes spot checks on some locations apart from visiting interns in Oyo, Ogun and Lagos states. Supervisory visits would also be extended to those Agric. Students posted to rural communities (COBFAS), who are presently spending 6 months altogether for the last time.

7. **Payment of SIWES Allowances**

A total amount of ₦15,750,000 and ₦16,365,000.00 were released for the 2005/2006 and 2006/2007 respectively for the payment of 1,050 for 2005/2006 and 1,091 for 2006/2007 students in December, 2009 and February 2010. We are yet to receive 2007/2008.

8. **Payment of SIWES Supervisory allowances**

The supervisory allowances from 2005 to part payment of 2009 have been released and disbursed to all beneficiaries.

9. Single Stretch SIWES attachment

The NUC and ITF reviewed the duration of attachment for SIWES participants to six months at a single stretch since 2005/2006 session. A four year period of grace was allowed for institutions to adjust the curriculum of affected programmes. Before imposition of sanctions on non-complying institutions, a workshop was organized during which some modalities for implementation were proposed. The affected programmes in UNAAB were mostly in College of Natural Sciences (COLNAS), and are now in the process of regularizing their curriculum to reflect the 6 months duration. All our science programmes presently spend three months for SIWES. To implement the directive of 6 months IT training, COLNAS recently submitted a reconfiguration document to DVC (Academic) and Academic Planning. This is a move in the right direction, especially if approval is granted soonest.

10. Quarterly Zonal SIWES Coordinators/Directors Meeting

ITF Area office, Abeokuta, organizes a rotational quarterly SIWES meeting hosted by Universities/Colleges of Education/Polytechnics. The last one UNAAB attended was hosted by Covenant University, Otta, Ogun State on 31st March, 2011. UNAAB hosted the 2nd Quarter Zonal SIWES Coordinators Meeting on 24th March, 2009 and 23rd June, 2011, with the Vice-Chancellor as the Chief Host.

11. Orientation Program

All Students eligible for SIWES must be given an orientation on *modus operandi* of SIWES by their Institutions during which ITF staff must anchor the program. The exercise normally takes place about a few weeks before the commencement of the program. This year's orientation took place on Wednesday 2nd February, 2011. As usual, ITF Area Officials were invited to participate in the orientation exercise. TEFAMAC Chairman, some HODs, and Departmental Co-ordinators all graced the last orientation occasion. It was an interactive session and the whole exercise was a huge success. The 2011 SIWES industrial Training experience commenced in the 1st week of March 2011.

12. SIWES Training

The SIWES Directorate attended online SIWES Training organized by ITF, Jos, in June 2009 and was represented by the then Director (Prof. C.F.I. Onwuka) and the Secretary, Mrs. B. M. Adebessin.

The 18th National Training Conference and Exhibition was also attended by the current Director, Prof. M. O. Ajala on 24th – 26th November, 2010 at Abuja.

13. On-Line Registration

UNAAB has complied with the SIWES on-line administration/registration. Hence, Data collection forms have been distributed and collected for the processing of the on-line registration.

17. Retirement of Unclaimed Funds

A sum of three million, three hundred and sixty thousand naira (N3,360,000) was returned to ITF Abeokuta for onward forwarding to ITF Jos.

The above amount was retired along with the list of students who came forward to claim their allowances for the two sessions (2005/2006 and 2006/2007) in question.

3.3.8 BURSARY DEPARTMENT



Mr. M.O. Ilesanmi
Acting Bursar

The Bursary Department manages the finances of the University.

Structure and Functions

The head of the Bursary Department is the Bursar, Mr M.O. Ilesanmi. As the Chief Financial Officer of the University, he is responsible to the Vice-Chancellor for the day-to-day administration and control of the financial affairs of the University.

The Bursary Department is made up of the Bursar's office, the Treasury Division, the Expenditure Control Division, the Financial Accounts and Statistics Division, and the Investment and Insurance Division.

The Department has been structured to address the various functions associated with the components of financial management as follows:

1. Annual Estimates
2. Budgets and Budgetary Control
3. Accounts and Accounts Records
4. Receipt and accounting for the income of the University
5. Payments to staff and third parties
6. Banking
7. Insurance
8. Fund Management
9. Preparation of Annual Final Accounts for External Audit

Future Plans

Computerization of all bursary activities.

3.3.9 REGISTRY



Mr A.O. Adeboye
Acting Registrar

The Registry is one of the key areas of the University and is headed by the Registrar, Mr. Ademola Oyerinde, who is a Principal Officer and the Chief Administrative Officer of the University. The Registrar is responsible to the Vice-Chancellor for the day-to-day administration of the University and is, by virtue of that office, the Secretary to the Council, Senate, Congregation and Convocation.

In addition to the Registrar's Office, the Registry has four main divisions which are the Directorate of:

- i. Council Affairs
- ii. Academic Affairs
- iii. Personnel Affairs; and
- iv. Executive Affairs (located in the Vice-Chancellor's Office)

Two of the Directorates (Council Affairs and Executive Affairs) are being headed by Directors in the persons of Mr. A. O. Adeboye and Mrs C.B. Kuforiji respectively. However, Directors are yet to be appointed for the remaining two (2) Directorates.

The Directorate of Academic Affairs has Senate and Admissions and the Examinations and Records Units while the Directorate of Personnel Affairs has the Academic Staff Personnel and Pension Matters Unit and the Administrative, Technical and Junior Staff Personnel Unit. These units are headed by Senior Administrative staff.

Except for the Executive Affairs Unit located in the Vice-Chancellor's Office, the Registrar co-ordinates the activities of all the divisions in the Registry. The Registry has total staff strength of 338 - made of 208 senior and 130 junior - centrally deployed to various Units in the Registry, Colleges, Departments and other Units of the University.

UNITS IN THE REGISTRY

COUNCIL AFFAIRS OFFICE

(a) Functions

- To serve as Secretariat for the University Governing Council and its Committee.
- To look after the welfare of Council members whenever they visit the University.
- To assist Council and its committees to administer capital projects and coordinate the pre and post-contract activities of Consultants and Contractors.
- To handle registration of Contractors, Consultants e.t.c. for the University.
- To undertake any other Council matter appropriate for the University.

Apart from Council, other Committees serviced by Council Affairs office also met during the year. The Committees are as follows:

- i) Finance and General Purpose Committee
- ii) Tenders Board
- iii) Procurement Planning Committee
- iv) Loans Committee

II. SENATE AND ADMISSIONS OFFICE

The Senate and Admissions Office was carved out of the Academic Affairs Office of the Registry.

(a) Functions

The Unit is the:

- Secretariat of the University Senate.
- Admissions Office and Secretariat of the Admission Committee.
- Secretariat for all Senate Statutory and Ad-hoc Committees.

III. EXAMINATIONS AND RECORDS OFFICE

The Examinations and Records Office was carved out of the Academic Affairs Office of the Registry.

(a) Functions

- Proper updating and keeping of bio-data of students.
- Registration of students in the University.
- On-line verification of ordinary level results of newly admitted students.
- Issuance of Statement of Results.
- Issuance of Student Academic Transcripts.
- Issuance of Notification of Result for graduating students.
- Issuance of Certificates for both diploma and degree programmes
- Publishing of students' enrolment list.
- Verification of certificates in response to enquiries from employers of University graduates.

IV. ACADEMIC STAFF PERSONNEL AND PENSION MATTERS OFFICE

Academic Staff Personnel and Pension Matters was carved out of the Old Personnel Division in the year 2003. The Office is in charge of Academic Staff Personnel and Pension Matters of the University.

(a) Functions

The Unit assists the Registrar in the day-to-day administrative running of the University as regards:

- * Academic Staff Personnel Matters
- * Conduct of interview for short-listed applicants
- * Appointments and promotions of academic staff and confirmation of appointments
- * Processing of staff leave including sabbatical leave, study leave, maternity leave, etc and entitlements e.g. passage and accommodation allowances
- * Gratuity and Pension administration especially in relation to the New Pension Scheme i.e. Pension Reforms Act 2004.

V. ADMINISTRATIVE TECHNICAL AND JUNIOR STAFF PERSONNEL OFFICE (AT & JSP)

The Administrative, Technical and Junior Staff Personnel Office was extracted from the monolithic Personnel Division in 2003. It is the record bank of all Administrative, Technical and Junior staff records of the University including personal files of all retired and deceased staff.

(a) Functions

- * Processing staff appointments and promotions and keeping records of such.

- * Preparation, keeping and updating of all Administrative, Technical and Junior staff records and data.
- * Processing of staff leave entitlements, including sabbatical, maternity leave, transfer of service, termination and resignation of appointment and withdrawal of service.
- * Handling staff disciplinary matters.
- * Preparation of staff nominal roll for general administration.
- * Processing and issuance of Staff Identity Cards.
- * Implementation of Management decisions as they relate to Administrative, Technical and Junior staff matters (APCONAS matters).

3.4 RESEARCH, EXTENSION AND PRODUCTION UNITS

In order to complete the tripodal mandate of the University (Manpower Development, Research and Extension Services), the research and extension units were established as Teaching Support Units which complement the programmes in the departments.

Research Units

3.4.1 Institute of Food Security, Environmental Resources and Agricultural Research (IFSERAR)



Prof. Osinowo

Professor O.A. Osinowo
Director, IFSERAR

Following the establishment of IFSERAR in December 2009, one of the first activities was the conduct of Diagnostic Survey of the Institute's 8 Mandate States of Edo, Delta, Ekiti, Lagos, Ogun, Ondo, Osun and Oyo. This was followed by the constitution of Research Committees to develop the Research Agenda for each of the 8 Research Programmes. Thereafter, there was a Call for Proposals which generated considerable interest within the University's Academic Staff. Following a very transparent screening process, 52 Multi-disciplinary Research Projects were awarded Grants totalling ₦17,000,000.00.

This report represents a summary of IFSERAR's activities in 2010: It includes updates on the Diagnostic Survey, Research Projects, Physical and Human Resources Development. It also includes summaries of Linkage Activities, Farm Operations, Seminars and Workshops held, and a list of the Institute's Publications. None of these could have been achieved without the visionary leadership provided by the Vice-Chancellor, Professor Oluwafemi Olaiya Balogun and the active support of the University's Governing Council, Senate and University Administration.

a. Physical

The Institute experienced significant physical development in 2010, including the commencement of construction of the IFSERAR Building with ETF Funding, conduct of Baseline Land Capability Study of the 2,000 ha Research Farm, purchase of several key Farm Machinery and Equipment, Office Equipment and Vehicles. These acquisitions and their estimated costs are listed in Table 1. Annex 1

shows the IFSERAR Research Farm Land-use Allocation Map developed from the outcome the Baseline Land Capability Study.

Summary of physical facilities acquired by IFSERAR in 2010

Description	Quantity	Unit Price, Naira	Total Price, Naira
IFSERAR Building	1	77,000,000.00	77,000,000.00
Baseline Study of IFSERAR 2,000 ha Farm	1	1,579,200.00	1,579,200.00
Wireless LAN	1	452,500.00	452,500.00
Toyota Double Cabin Jeep	1	2,900,000.00	2,900,000.00
Massey Fergusson MF 440 82 hp 4wd	1	6,700,000.00	6,700,000.00
AF-3 Baldan 3 Disc Plough, 28" 6 mm	1	700,000.00	700,000.00
SP-20 Drag Type Offset levelling, 22" Disc Harrow	1	820,000.00	820,000.00
SD-4 Disc Ridger, 28" 4 mm cutaway Discs	1	850,000.00	850,000.00
Jacto 2000-litre wheel-mounted boom sprayer	1	1,700,000.00	1,700,000.00
6-Row Planter with Fertilizer Applicator	1	2,600,000.00	2,600,000.00
450 kg Atespar AFSI-450 Mounted Fertilizer spreader	1	450,000.00	450,000.00
Land clearing	47	112,000.00	5,264,000.00
TOTAL COST			101,015,700.00

b. Human

The most important resource of any Research Institute is its human resources in terms of both quantity and quality. During the year under review, IFSERAR was able to attract about half of its projected requirement of Research Fellows. It is hoped that the existing vacancies for Research, Technical and Administrative Staff would be filled in the first quarter of 2011. The Staff List as at December 31, 2010 is shown in Annex 2.

Professor Oladele Gazal, a Reproductive Physiologist from St. Cloud State University, Minnesota, USA, spent 6 months (July – December) on Sabbatical at the Institute. Miss A.O. Olaleye, an Accountant II, was deployed to the Institute from the Bursary Department in July.

Mention must be made of the critical role played by then fresh graduates of UNAAB in IFSERAR's Farm Operations while awaiting their call-up letters for NYSC. The Institute has since been reliant on both undergraduates and unemployed graduates as Casual Workers on the Research Farm.

Two IFSERAR Staff were promoted during the course of the year. They were, Dr. (Mrs.) B.O. Oduguwa who was promoted to Principal Research Fellow, and Mrs. Ijaodola, promoted to the rank of Higher Executive Officer.

c. Financial

The Institute was adequately funded by the University in 2010, with additional funding from the ETF. However, a strategic decision to compete for external research grants is being actively pursued.

Research

ETF-funded Research Projects

Fifty-two Research Projects were approved and supervised by the Institute in 2010. These projects were spread over the 8 Research Programmes as shown in Table 2. The list of Research Projects is presented in Annex 3. Submissions were made to ETF for the draw-down of the 2009 & 2010 Research Grants based on the on-going 52 Research Projects under IFSERAR.

Distribution of ETF-funded IFSERAR Research Projects by Research Programmes in 2010

Research Theme	Number of Projects	Total Grant (Naira)
Livestock Production Research	14	3,972,975.00
Food Security & Socioeconomic Research	4	1,777,750.00
Food & Nutrition Research	5	1,850,000.00
Environmental Resources & Conservation Research	3	990,000.00
Crop Production Research	8	2,200,000.00
Biosciences Research	6	1,799,275.00
Aquaculture & Fisheries Research	5	1,960,000.00
Agricultural Mechanization & Energy Research	7	2,450,000.00
Total	52	17,000,000.00

ARCN Research Grants

The Agricultural Research Council of Nigeria published a Call for Proposals to which UNAAB Staff were encouraged to respond. Of the 22 proposals facilitated by IFSERAR, 7 were successful and were given ARCN Grants as shown in Table 3.

List of ARCN Grant Awardees in UNAAB

S/No	Title	Principal Investigator	Amount of Grant (Naira)
1	Design, Construction and evaluation of an affordable continuous-flow drip irrigation system	Dr. J. K Adewumi	36,261,900.00
2	Selection of Rice Varieties for Moisture Stress Tolerance and Mycorrhizal Benefits for Double Cropped Upland Rice	Prof. K.A. Okeleye	18,101,265.00

3	Economic Evaluation and Impact Assessment of Food Crop Production, Processing and Storage Technology in Nigeria	Prof. P.A. Okuneye	14,909,550.00
4	Monitoring Viability and Genetic Integrity of Stored Seeds at NACGRAB Gene	Dr. I.O. Daniel	21,201,333.50
5	Development of integrated pest management (IPM) technology for tomato	Prof. A.Y.A. Adeoti	14,822,500.00
6	Bio-safety Evaluation of GM Cassava and Cowpea Approved for Field testing in Nigeria and Audit of Genetically Modified Foods and Feed in the Nigerian Food System	Prof. S. Uzochukwu	29,000,000.00
7	Tackling tomato wilt from the roots :Identifying and sequencing Fusarium wilt resistant genes in tomatoes grown in Nigeria	Dr. A.R. Popoola	12,711,750.77
	TOTAL		147,008,299.27

There were other Special Projects carried out in 2010. These were:

- South African Maize Trial
- Establishment of 1,200 stands of plantain
- Planting of 2,500 stands of Eucalyptus as future windbreak
- Building an accession base and evaluation of tomato (*Lycopersicon esculentum Mill*) lines for desirable agronomic traits

List of 2010 research projects

A	AGRICULTURAL MECHANIZATION AND ENERGY RESEARCH PROGRAMME
1	Design and Construction of Solar Powered Refrigerator for Rural Applications
2	Development of a Pilot Bio-Diesel Processing Plant Phase 1: Design, Construction and Testing
3	Design and Development of a Rubber Roller Rice De-husking Machine
4	Evaluation of Stream Potential for Micro-Hydroelectric Power Generation
5	Design and Fabrication of Ergonomically Compliant Simple Tillage Tools for The Use of Rural Farmers
6	Modelling and Reconfiguration of Solar Photovoltaic Array for South-western Nigeria
7	Development of Wind Powered Electricity for Rural Farmers
B	AQUACULTURE AND FSHERIES RESEARCH PROGRAMME
8	Pineapple waste meal as a replacer of corn meal in the diet of Nile tilapia, <i>Oreochromis niloticus</i>
9	Evaluating effects of dietary lipid source on carcass quality and fatty acid profile of <i>Clarias gariepinus</i> and <i>Oreochromis niloticus</i>
10	Use of plant extracts with anti-bacterial properties for fish disease control
11	Use of plant extracts to induce breeding in catfish (<i>Clarias gariepinus</i>) from fish seed production
12	Production of six types of fast growing inter-generic hybrids from three clariid species and their aquaculture potentials in floating net bamboo cage

C	BIOSCIENCE RESEARCH PROGRAMME
13	Toxicity profile of some feedstuffs fed to West African Dwarf Goats in Sub-humid zone of Nigeria
14	Evaluating the cardiotoxic potential of the aqueous extract of <i>Hibiscus sabdariffa</i> in rats
15	Evaluation of <i>in vivo</i> anti-plasmodial activity of commonly used anti-malarial plants in South-western Nigeria
16	Pharmacologic evaluation of the coccidiostatic potential of <i>Khaya senegalensis</i> stem bark extract and powder combined with Vitamin C in broilers
17	Sources and distribution of salmonella serotypes in some selected foods in South-western Nigeria
18	Epidemiological survey of Malaria In Southwestern Nigeria
D	CROP PRODUCTION RESEARCH PROGRAMME
19	Strategies for the management of tomato spotted wilt disease of tomato (<i>Lycopersicum esculentum</i> Mill) in Southwest Nigeria
20	Integrated control of bacterial wilt and root-knot nematode for improved tomato yield in Southwest Nigeria
21	Evaluation of resistance in cowpea accessions to major cowpea insect pests in the humid ecology of Nigeria
22	Performance of improved maize cultivars as influenced by compost and maize/sweet potato intercrop in the forest-savanna transition zone of Nigeria
23	Screening of egusi melon accessions (<i>Citrullus lanatus</i>) for high yield
24	Performance of different varieties of white yam/sweet potato intercropping in Oyo and Ogun States
25	Effects of fertilizer on rice-ratooned rice-cowpea/vegetable in rainfed inland valleys
26	Analysis of genetic diversity in Amaranth accessions (<i>Amaranthus spp.</i>) in Oyo and Ogun States
E	ENVIRONMENTAL RESOURCES AND CONSERVATION RESEARCH PROGRAMME
27	Water availability, quality and health of rural-farming communities in South-West Nigeria
28	Impact of climate change on people's livelihoods, wildlife resources and food security in South-western Nigeria
29	Farmers' awareness and willingness to plant <i>Moringa oleifera</i> Lam, for food security
F	FOOD AND NUTRITION RESEARCH PROGRAMME
30	Consumption pattern and diet composition of selected households in UNAAB mandate States
31	Nutritional surveillance for food security system in UNAAB mandate States
32	Food safety awareness of mothers and microbiological quality of weaning foods in selected households in UNAAB mandate States
33	Evaluation of nutrient quality and safety of seafood products in Lagos and Delta States, Nigeria
34	Evaluation of adoptable shelf life extension technologies for tomato and processing of dried tomato slices and powder
G	FOOD SECURITY AND SOCIOECONOMICS RESEARCH PROGRAMME
35	Plantain production and food security in Ondo and Edo States
36	Group formation study for improved rice farmers' income through better access to agricultural inputs in Ogun and Ekiti States, Nigeria
37	Productivity of Fadama vegetable farmers in Lagos State, Nigeria
38	Psychosocial, climatic and health factors affecting sustainable rice production in Ekiti State
H	LIVESTOCK PRODUCTION RESEARCH PROGRAMME

39	Population survey and genetic characterization of Muturu in Nigeria
40	Evaluation of cassava by-products as feed resources for Muturu
41	Non-surgical embryo transfer in Muturu cows
42	Improving the welfare, productivity and product quality of pullets through free range production systems
43	A comparative study of the endo- and ecto-parasites of Muturu and Zebu cattle
44	Effect of copper and probiotic as feed additives on performance, gut microflora, residues in products and cholesterol status of hens
45	Karyotype analysis to determine causes of embryonic mortality among Nigerian indigenous chickens for genetic improvement
46	Prevalence of sheep and goat mange as influenced by coat colour genotype and associated haematological/biochemical parameters
47	Molecular screening of MHC resistance genes in West African Dwarf Goats
48	Evaluation of <i>Mucuna puriens</i> for improving reproductive activities of West African Dwarf Goats
49	Control of Salmonella organisms in broilers for improved health status through inclusion of feed additives in diets
50	Performance and carcass yield of two strains of cockerels on free-range production system
51	Efficacy of <i>Newbouldia laevis</i> extract and nutrient density on gastrointestinal nematode in sheep managed semi-intensively
52	Characterization of Nigerian indigenous chicken ecotypes using microsatellite markers

Linkages

Research Linkages with other National Agricultural Research Institutes (NARIs) was actively pursued in 2010. Realizing the strategic significance of the Agricultural Research Council of Nigeria (ARC/N) as a research funding agency of Government and as the coordinating body of all NARIs, discussions on possible linkage with IFSERAR resulted in the drafting of a Memorandum of Understanding which is pending with ARC/N.

Administration

The initial administrative challenges faced by the Institute were considerably reduced with the appointment of Acting Programme Leaders, employment of Research Staff, provision of a 4-wheel drive Toyota double cabin Pickup, tractor and some essential farm implements by the University Administration.

Twelve Programme Leaders' Meetings were held in 2010. Each of the 8 Research Programmes also held a minimum of 3 Research Committee Meetings. Four Staff Meetings were also held.

The 8 Research Programmes each held a minimum of 3 Research Committee meetings at which their Research Agenda were developed and Research Proposals for 2010 were considered and selected for funding.

The Professional and Academic Board met on February 25, 2010, to consider and approve the 2010 Research Proposals.

Publications

The Institute was able to publish its flier while 13 other publications are in various stages of production as listed in Table 4.

List of IFSERAR Publications for 2010

S/No	Title of Publication	ISBN Number	Remarks
1	IFSERAR Flier	978-978-50092-9-3	Published
2	IFSERAR Research Agenda	978-978-50092-8-6	In press
3	IFSERAR Research Log Book	-	Printed
4	Diagnostic Survey Report for Delta State	978-978-50092-6-2	Final editing
5	Diagnostic Survey Report for Edo State	978-978-50092-5-5	Final editing
6	Diagnostic Survey Report for Ekiti State	978-978-50092-3-1	Final editing
7	Diagnostic Survey Report for Lagos State	978-978-50092-4-8	Final editing
8	Diagnostic Survey Report for Ogun State	978-978-50091-9-4	Final editing
9	Diagnostic Survey Report for Ondo State	978-978-50092-1-7	Final editing
10	Diagnostic Survey Report for Osun State	978-978-50092-0-0	Final editing
11	Diagnostic Survey Report for Oyo State	978-978-50092-2-4	Final editing
12	IFSERAR Research Proposals 2010	978-978-50091-0-1	Final editing
13	IFSERAR Research Progress Reports 2010	978-978-50091-3-2	Final editing
14	IFSERAR Annual Report 2010	978-978-50091-6-3	Final editing
15	Report on Baseline Study of 2,000 Ha IFSERAR Farm	978-978-50092-7-9	Final editing

Farm Operations 2010

1. Land Clearing

A total of 47 ha of land was cleared in the year under review and utilized as follows:

- 15 ha planted to crops (Maize, Soyabean, Plantain, Vegetables)
- 5 ha planted to pasture for the Muturu Project
- 27 ha cleared for the Kalahari Red Project.

2. Crop Production

A total of 7.477 tons of maize was produced and sold to UNAAB-Leventis Agro-Allied Company for ₦336,465.00. In addition, ₦20,370.00 worth of tomatoes and leafy vegetables were sold. About 1,200 stands of plantain were planted.

3. Livestock Production

The Institute purchased 2 bulls and 8 heifers of the Muturu breed for research purposes. The animals are currently being maintained at the University Farm. About 5 ha of land were planted to pasture.

4. Shelter Belt

About 2,400 stands of Eucalyptus tree seedlings purchased from the Forestry Research Institute of Nigeria (FRIN) were planted in double rows across 3.5 km of the Research Farm to serve as future shelter-belt.

Seminars & Workshops

An Orientation Workshop for Research Fellows was held December 8, 2010, with the following objectives:

- To acquaint Research Fellows with objectives of the National Agricultural Policy and other related policies

- To provide information on the IFSERAR Mandate and research agenda
- To acquaint Research Fellows with appropriate methodologies for Institute research
- To train Research Fellows on Time Management
- To develop Core Research Activities for each Research Programme for 2011.

This was followed by a Strategy Session on Priority Crops and Livestock on December 23, 2010, with the following objectives:

- To focus attention on need for systematic research on priority crops and livestock
- To re-assess research objectives for priority crops and livestock
- To create sub-programmes and assign responsibilities to Research Fellows on priority crops and livestock
- To strengthen modalities for engaging Academic Departments to focus on priority crops and livestock
- To strengthen external research linkages focussed on priority crops and livestock.

The first University-wide Seminar organized by IFSERAR took place on December 30, 2010. Prof. Oladele Gazal, a visiting Professor from St. Cloud State University, Minnesota, USA delivered the main paper titled, “*Speedsters and Laggards: Regulation of Hypothalamic Secretion*”. The Seminar which took place at the Senate Chamber was well attended by Academic Staff across all Colleges in the University.

The IFSERAR Workshop on 2010 Research Projects was held on January 18, 2011. The Opening Ceremony was presided over by the Deputy Vice-Chancellor (Academic), Professor C.F.I. Onwuka. The Plenary Session was presided over by the Deputy Vice-Chancellor (Development). Thereafter, four parallel sessions were held, with 52 presentations made by Principal Investigators.

xii. Conclusion

The first full year of IFSERAR (2010) has been characterized by a high level of commitment by the Vice-Chancellor, Professor Oluwafemi Olaiya Balogun, and the University Administration, to the development of the Institute, as evidenced by the high level of capital expenditure. It has also been a year of pioneering efforts, all aimed at starting off on a sound footing. Considerable interest, potential and capacity for development-oriented research, focussed on the attainment of food security as a priority national goal, have been demonstrated by the University’s academic staff. The Institute acknowledges and appreciates all the support received, particularly from the University Administration and the Education Trust Fund (ETF).

3.4.2 Biotechnology Centre



Professor Onagbesan

Director, Biotechnology Centre

The Biotechnology Centre was first set up in 2000 as part of the Equipment Maintenance Centre in response to the first summer course in in-vitro recombinant DNA techniques held that year. It was elevated to the status of a full fledged centre in 2001.



The Centre is to provide Central Molecular Biology Facilities for all the academic departments in the University, drive capacity building in this rapidly developing area, in the University and beyond and also to carry out research and advise the University on all matters pertaining to modern biotechnology creating awareness for modern biotechnology in the University and in the country at large.

Extension Unit

3.4.3 Agricultural Media Resources and Extension Centre (AMREC)



Professor F. K. Salako
Director, AMREC

The Agricultural Media Resources and Extension Centre (AMREC) was established in 1991. The Centre operates through Model Extension Villages are used

- a. for testing latent agricultural technologies available for the zone (South-West)
- b. as study villages on extension models
- c. for training of students in practical extension

In the context of agricultural development, extension has a very crucial role to play, apart from the tasks and responsibility of transferring and disseminating appropriate agricultural technologies to farmers. The Agricultural Media Resources and Extension Centre's (AMREC) approach to extension activities involves the adoption of model extension villages through inter-disciplinary approach in farm technology transfer. However, the major principle underlying this approach is to develop the rural sector through its well articulated agricultural development programmes. The model extension village approach being used is to ensure that the practical training, researches and extension programmes of the

University are tested and integrated under the conditions of rural settings to effect their impacts on the quality of lives and living standards of the people concerned.

Some of the criteria used in the selection were that the villages must be:

- (i) relatively new and unexposed to “change” programmes and processes;
- (ii) accessible by roads; and
- (iii) predominantly farming communities.

The Centre in the past one year has been pro-active and played participatory roles in knowledge/ information initiation, by facilitating mutually meaningful and knowledge-based implementation of projects among primary producers, private sector practitioners as well as Researchers. However, in order to ensure cost effectiveness, AMREC in the reporting year, has been able to integrate agricultural development projects with health and youth development issues to make its activities broad based and holistic in contents and scope. More innovative methods were employed in order to identify farmers’ problems and felt needs that informed the development of programmes and activities to solve such problems.

Agriculture and industrialization are clearly inter-related. The former provides the basis for industrial growth while industrialization often leads to improvement in the standards of living of people. A vast majority of Nigerians depend on the agricultural sector for their well being and livelihood. For over three decades, demands for food had been at a faster rate than production thus resulting in decrease in per capita food availability.

The challenge to the attainment of food security has become even more daunting with the recognition of the need to strengthen and sustain efforts on food and fibre production and protection of the environment. This notwithstanding, effective extension services is one of the solutions to the problem of attainment of food security. Others are appropriate pricing policy to allow a proper return on farmers’ investments, good access to credit facilities and effective communication. An adequate public and institutional support as offered by the University of Agriculture, Abeokuta, through its extension arm, the Agricultural media Resources and Extension Centre (AMREC) is required for this purpose.

The Centre in the past year has been pro-active and played participatory roles in knowledge/ information initiation, by facilitating mutually meaningful and knowledge-based implementation of projects among primary producers, private sector practitioners as well as Researchers. This has been achieved through the:

- (iv) adaptation and dissemination of improved agricultural technologies that could remove the constraints to production, profitability and competitiveness at all level in the value chain of commodities produced by the small scale farmers;
- (v) facilitation of the empowerment and participation of stakeholders , (farmers, private and public organizations, governmental and non-governmental organizations), with special emphasis on farm family members of different ages and gender
- (vi) exploitation of the benefits of capacity building through appropriate institutional supports to address the training of farmers during extension delivery and services.

This report is therefore aimed at presenting some of the achievements made by the University of Agriculture, Abeokuta in its extension and community development strides through the Agricultural media Resources and Extension Centre (AMREC).

AMREC achieves its mandate through its five programmes, namely;

- i. Extension and Adaptive Research Programme
- ii. Media and Farm Broadcast Programme
- iii. Planning, Monitoring and Evaluation Programme

- iv. Gender Issues and Youth Development Programme
- v. Training and Farm Demonstration Programme

The achievements made by AMREC in the past year under each programme are given as follows:

Achievements made by AMREC in the Past Year

Achievements and Activities of the Extension and Adaptive Research Programme

Background Information

The Extension and Adaptive Research Programme of the Centre is made up of a number of sub-programmes established to handle different areas of agriculture in Livestock, Agro-forestry, Crops and Fisheries. The mandate of the Programme is to carry out adaptive research on proven technologies for dissemination through extension and outreach programmes in all its component programmes

The functions of the Programme are to:

- (i) test and disseminate proven technologies to farmers in the Southwest ecological zone of Nigeria;
- (ii) collect and collate information on available technologies developed in the Colleges; for demonstration, dissemination and diffusion to farmers; and to
- (iii) offer extension services and promote appropriate correct cultural practices in the University's catchment's area.

Some of the strategies adopted by the Programme in implementing the various activities during the year include the organisation of trainings, group meetings and interactive visits.

Extension Programme's Activities and Achievements

Some of the activities and achievements made by the Programme are as presented on table below:

Activities and Achievements of the Extension and Adaptive Research Programme

S/N	ACTIVITIES AND ACHIEVEMENTS	REMARKS
1	Distribution of Improved Varieties of Cassava Stems to Farmers Through Cassava: Adding Value for Africa (C:AVA) Project which was coordinated by Extension and Adaptive Research Programme, AMREC distributed three thousand (3,000) bundles of improved varieties of cassava to farmers groups in 2010	20 farmers' groups across 25 Communities in Ogun State benefited from the gesture.

2	Training on Production of wet cake A total of 288 Village-level processors were trained under C:AVA Project in Industrial Park Unit (IPU), UNAAB; Olorunda, Isaga-Orile and Agbetu Communities	The objective of the training was to strengthen the capacity of Community Processing Groups and Micro Processors in production wet cake for High Quality Cassava Flour and Fufu Flour.
3	Establishment of Cassava Demonstration Plots AMREC assisted C: AVA Project to establish three demonstration plots of 0.5 hectare each in Isaga-Orile, Imala and Abule-Oba communities in Ogun State.	These demonstration plots were established to facilitate shared learning experience among farmers Skills demonstrated included all agronomic practices in cassava production
4	Training on Current Trends and Development in Cassava Production Training on current trends and development in cassava production was organized for farmers' group at Abule-Oba in Odeda local government area of Ogun state.	Emphasis was laid on some common errors in cassava cultivation, soil management and conservation; health and environmental hazards in agro-chemical usage as well as economic issues in cassava cultivation.
5	Organizing Farmers' Field Days AMREC organized farmers' field days on two separate occasions for farmers' groups at Olorunda. The first one organized on 4 th January, 2010 was carried out to showcase the growth performance of improved varieties of cassava distributed to farmers. The second one was organized on 30 th June, 2010 showcase the yield performance.	The occasion was part of the effort of C: AVA to facilitate learning and sharing of experience among the farmers and stakeholders.
6	Strengthening the Capacity of Farmers' and Processors' Groups In a bid to strengthen the capacity of both the farmers' and the processors' groups, farm implements like spraying pumps, cutlasses and files were presented to farmers while cassava hydraulic press were presented to processors groups.	The donations were done courtesy of C: AVA Project and eight (8) groups were empowered.
7	Establishment of Cassava Multiplication Plot Through Extension and Adaptive Research Programme, AMREC established three (3) hectares of cassava multiplication plot on campus in August 2010.	At maturity, the stems will be distributed to farmers in order to further spread the improved varieties across many communities.

Future Plans of Extension and Adaptive Research Programme

Extension and Adaptive Research Programme has the following plans in the future

1. To empower more farmers' and processors' groups with spraying pumps and fermentation vats respectively, through C: AVA Project.
2. To establish demonstration in Apiary/Apiary Products Processing Unit that could enhance learning in bee-keeping training.
3. To conduct adaptive research on organic maize production on farmers' fields.
4. To organize trainings and workshops on Fish production in selected secondary schools in Abeokuta, as part of Agriculture-in Schools Programme.
5. To conduct adaptive research on the use of poultry/hatchery wastes as a substitute meal for raising cat fish.

6. To conduct adaptive research on livestock production.
7. Regular capacity building on rabbit production and value-addition in rabbits processing in secondary schools and for contact farmers.

C:AVA UNAAB/AMREC Activities in Pixs



The Director of AMREC Prof. F.K. Salako delivering the opening address at the Training on 'Current Trends and Development in Cassava Cultivation' at Adao Community.



The then Deputy Vice Chancellor (Development) of UNAAB Prof. O J Ariyo addressing the participants at the Training



Cross-section of participants at the training on 'Current Trends and Development on Cassava Cultivation'.



Group photograph of participants at the Training



Distribution of some of the improved Cassava varieties from C:AVA to Farmers' group from Moloko-Asipa in Obafemi-Owode Local Government Area of Ogun State.



C:AVA UNAAB/AMREC Activities in Pixs



Prof. F. K. Salako giving a welcome address at the farmers' field day programme held at Olorunda



Cross section of farmers at the farmers' field day



Mr. Bernard Siwoku of C:AVA Country office delivering a speech at the farmers' field day programme



Picture showing agricultural inputs presented to farmers' groups and individual farmers



Mr Jaiyeola taking farmers through agronomic practices in cassava cultivation



Mr Jaiyeola showing farmers weed control chemicals used on the demonstration plot

C:AVA UNAAB/AMREC Activities in Pixs



Mr Jaiyeola stressing a point on the quality of the cassava stems produced



Picture showing cassava tubers at 6 months after planting



Farmers on the demonstration plot at **Olorunda**



Presentation of Knapsack sprayer to **Rounder/Idiyya** farmers' group



Presenting of a knapsack sprayer to **Ilewo Orile** famers' group



One of the farmers **Mr Kufo** giving a vote of thanks after the presentation

C:AVA UNAAB/AMREC Activities in Pixs



Dr Shittu giving the opening remarks during the training on production of fufu wet cake at Industrial Park Unit, UNAAB.



Demonstration of fermented cassava tubers to the trainees



Demonstration of sieving process during the training



Dr Shittu explaining the function of flash dryer to participants



Participants are being shown the functions of Rotary dryer



Group photograph of some the participants during the training on production of fufu wet cake at Industrial Park Unit, UNAAB

Activities and Achievements of the Media and Farm Broadcast Programme

Background Information

The Media and Farm Broadcast Programme of the Agricultural Media Resources and Extension Centre (AMREC) is the media resource arm of the Centre. The Programme is saddled with the responsibility of translating agricultural research findings into agricultural media materials with main emphasis on video, audio and extension publications for dissemination to stakeholders in agriculture across the Southwest states of Nigeria. The Programme also photo and video documents all important activities of the Centre. It collects, collates and retrieves agricultural information and activities within and outside the University.

The Media and Farm Broadcast Programme also processes agricultural information and knowledge into materials and packages such as flyers, extension guides, books, features and magazines. Agricultural video documentaries are also produced from time to time on VCDs and DVDs. Such documentaries are used to support and reinforce the trainings organized by AMREC with a view to imparting knowledge and developing the skills of farmers and other stakeholders in Agriculture.

Specific activities and Achievements of the Programme

During the past year, the Media and Farm Broadcast Programme was involved in the following activities:

(a) Graphic/Print Communication

These include:

- (i) Design and printing of the AMREC 2009 Annual Report cover page;
- (ii) design and printing of posters and flyers on UNAAB/Odeda Local Government joint agricultural development project;
- (iii) production of a generic banner for the Gender Issues and Youth Development Programme;
- (iv) design and production of extension guide on recommended practices for soybean production for the 2010 pre-season training for farmers in Southwest Nigeria;
- (v) design and production of cover pages for the modules on “In-house workshop on “Report Writing and Documentation”

(b) Video and Photo Documentation of AMREC Activities

These include:

- (i) Visit of the Gender Issues and Youth Development (GIYD) Programme to Isolu and Ilugun Communities;
- (ii) Soybean Popularization Project- Visit of AMREC team to the Lagos State Agricultural Development Authority Office;
- (iii) Sensitization visits to farmers in Ondo and Ekiti States for soybean production and popularization;
- (iv) Visit of farmers’ representatives from Olorunda community to UNAAB;
- (v) Training of Trainers Workshop organized for C:AVA service providers on “Weed Control and Management” at the Ogun State Agricultural Development Programme (OGADEP) Idi-Aba, Abeokuta;

- (vi) Visit of the Gender Issues and Youth Development (GIYD) Programme to Lagos State on NESTLE Farm Family Health Project ;
- (vii) Training on the processing of cassava tubers into wet cake, organized by C:AVA-UNAAB for farmers in Olorunda community;
- (viii) Exhibition of AMREC products at the 2010 REFILS Workshop held at the Institute of Agriculture Research and Training (IAR&T), Moor Plantation, Ibadan;
- (ix) State wide pre-season training for soybean farmers held at Olorunda;
- (x) Visit of AMREC team to Gold Link Farm at Isaga-Orile;
- (x) Handing-over of the supervision of the UNAAB/Odeda Local Government Project to Dr. O. J. Olaoye at Apena Kemta and Adao villages;
- (xii) Pre-season training on soybean production at Saki and Iwo in Oyo State;
- (xiii) Soybean Summit with NASTLE Nigeria Plc., held in Lagos;
- (xiv) Visits of AMREC team to farmers in Ondo and Ekiti States for Soybean production and popularization;
- (xv) Visit of AMREC team to Lagos State Agricultural Development Authority (LASADA) for Soybean production and popularization Project;
- (xvi) Visit of NESTLE Management team to UNAAB;
- (xvii) PowerPoint presentation of the activities of AMREC for NESTLE Nigeria Plc. and the National Office for Technology Acquisition and Promotion (NOTAP) ;
- (xviii) Sampling of soybean seeds/grains by AMREC and NESTLE at Saki in Oyo State;
- (xix) In-house workshop on “Report Writing and Documentation” held at the Conference hall of the Directorate of Public Relations, UNAAB;
- (xx) Vocational Training Workshop organized by the Gender Issues and Youth Development (GIYD) Programme;
- (xxi) Training Workshop organized by the Extension and Adaptive Research Programme for cassava farmers under the C:AVA Project;
- (xxii) Visit of the NESTLE Management Team to AMREC-UNAAB on Sept 7, 2010;
- (xxiii) Farmers’ field day on the national Agricultural Seed Council project held at Adao/Ajgunle on Sept 29, 2010;
- (xxiv) Monitoring of Seed multiplication farms at Adao and Moloko-Asipa communities;
- (xxv) Step down training on production of fufu wet cake at Isaga Orile;
- (xxvi) Harvesting of the AMREC-Odeda Local Government Joint Agricultural Development Project yam farm at Apena Kemta under
- (xxvii) Gender issues and Youth Development (GIYD) Programme on capacity building and Farm Family Health Project for farmers and secondary school students in Osun State;

- (xxviii) Monitoring of soybean farmers' fields in Ekiti, Ondo and Osun States; and
- (xxix) 34th Southwest Zonal Steering Committee meeting on REFILS held at the Osun State ADP Headquarters, Iwo.
- (xxx) Collation, compilation and printing of photographs for NESTLE/UNAAB, C: AVA and Odeda Local Government-UNAAB projects.

General Activities of the Media and Farm Broadcast Programme

Graphic/Print Communication

- (i) Design and Printing of the AMREC Annual Report covers:
- (ii) Design and production of AMREC's flyers.
- (iii) Development of communication Concepts and production of Art works: The materials include banners, training materials and writing pads.
- (vi) Design and production of training materials for the implementation of various AMREC Programmes. These include banners as well as cover for report writing and documents training Manual.

Still Camera and Photographic Documentation of AMREC Activities

In order to have a good record of photographs of AMREC's activities, the Media Programme took shots of the important activities and events organized by AMREC during the past year.

Video Documentation of AMREC'S activities

In fulfilling its mandate as an Agricultural Resource Centre, AMREC, through the Media and Farm Broadcast Programme carried out a number of video coverage of Seminars, Workshops, Trainings and other official activities of the Centre. Below is the diary of video documentation of AMREC activities between 2004 and 2010. These include:

- (i) Trainings and Workshops organized and conducted by AMREC;
- (ii) Field monitoring activities;
- (iii) Vaccination of animals in UNAAB extension villages;
- (iv) Awareness campaigns on health as organized by AMREC from time to time;
- (v) Farm visits including sensitization tours on programmes and project activities; and
- (vi) Exhibitions carried out by AMREC.

Public Relations and Liaison Services

These included:

- (i) liaison with the relevant media stations (radio and television) as well as newspapers for pre-event and news coverage of the major activities of AMREC;
- (ii) writing of scripts for pre-event radio and television announcements of AMREC activities; and
- (iii) anchorage and coordination of in-house and outreach events.

Production of Video Documentaries

The following Documentaries were produced on CDs by the Media Programme:

- “Bee keeping Practice and Honey production”
- A documentary on “Fish Production, Preservation and Storage”
- “Bound by Soya” - A documentary on UNAAB-NESTLE collaboration on soybean production and popularization in Southwest, Nigeria.
- “Development of Indigenous Chicken cross-bred for higher Meat Yield”
- “Landmarks in Agricultural Breakthroughs”: A video documentary on UNAAB activities.
- “Help at the Right Time : USA/UNAAB deep Well project

Design and production of Communication Guides

- (i) Design and production of communication materials for the yearly yam roasting festivals.
- (ii) Development of communication concepts, designs and production of Artworks (Camera ready copies) of various communication and information materials for the 1st West African Summit on Organic Agriculture and the 4th National Conference.
- (iii) Design and production of Extension Guides on Recommended practices for soybean production, cowpea production, production of sheep and goats as well as HIV awareness campaign.
- (iv) Preparation of modules on Communication Skills for the training of ADP staff.
- (v) Production of extension guides on sheep and goats rearing, cowpea production, soybean production, flyers on HIV awareness campaign.
- (vi) Development of communication concepts and production of artworks. This included the production of posters for the UNAAB 21st Anniversary and the 16th Convocation Ceremony.
- (vii) Design and production of training materials for the implementation of the Cassava: Adding Value for Africa (C:AVA) Project and the UNAAB-Odeda Local Government Joint Agricultural Development Project. The materials included banners, covers for report writing and training documents as well as flyers and posters.
- (viii) Design and production of banners for all AMREC outreach programmes, including trainings, workshops and seminars

Thrust for the future

The Media and Farm Broadcast Programme will continue to give the needed support to the activities of other Programmes in AMREC. Plans are also underway to regularly organize trainings for the extension staff of the Agricultural Development Programmes (ADPs) and other extension-related agencies on the various media productions and agricultural information dissemination techniques using both electronic and print media. The Media Programme also plans to produce more agricultural documentaries to support and complement the regular trainings of students, farmers and farm families that may be organized by AMREC in the future. If funds are available, the Media Programme intends to commence farm broadcasts on radio and television.

Activities and Achievements of the Planning, Monitoring and Evaluation/ICT Programme

The Activities performed by the Planning, Monitoring and Evaluation/ICT Programme include:

Writing and production of Reports of the Extension Programmes of AMREC

The programme is saddled with the responsibility of providing useful and relevant information that justifies the continued existence of other operating Programmes and was able to compile and produce annual and periodic reports on extension outreach programmes of the Centre. These include:

- (i) Annual Report of AMREC programmes and Activities in 2010;
- (ii) Nestle-UNAAB 1st Interim Report;
- (iii) Report on Nestle-NOTAP visit to UNAAB;
- (iv) Reports on the externally –funded projects coordinated by AMREC;
- (v) Comprehensive AMREC Report (2004-2010);
- (vi) “AMREC @ 20: THE Success Story”;
- (vii) Nestle- UNAAB Baseline Survey of soyabean project intervention communities;
- (vii) Achievements of AMREC in 2009

Compilation of AMREC comprehensive Work plans of Extension Programmes

Annual Work plans of extension and outreach programmes proposed by the Centre were compiled yearly with their associated budget implications for each of the operating Programmes. These have assisted in setting targets and goals for the achievements of the Centre’s mandate for extension. On the basis of these, the conduct of monitoring and evaluation of activities were made easy and directional.

Participation in Training/Workshops and Seminars through conduct of pre and post training Assessment of participants

The PME/ICT Programme participated in all the trainings organized by AMREC through the assessment of the beneficiaries’ knowledge on the focus of the trainings as well as the evaluation on the conduct of such trainings and programmes for future performance.

Organization of a One-day Training on “Report Writing and Documentation”

One-day Training on “Report Writing and Documentation” was organized by the Planning Monitoring and Evaluation /ICT Programme to strengthen the capacities and proficiencies of all categories of staff in writing technical, specialized and extension activity reports. During the technical sessions, general guidelines on what is expected in any report writing and generic structure presentation were taught. In addition, helpful hints and tips on how to write and present effective, technical and professional reports were also expressed.

The major theme of the workshop was: “Capacity-building and Skills development in Effective Report Writing” and topics presented were:

- (i) “Effective Report Writing for Technical and Extension Activities”;
- (ii) “Hints and tips on the production of Integrated Communication and Extension/Education (IEC) materials for extension services delivery”; and
- (iii) “Graphical aspects of report writing and presentation”

At the end of the training workshop beneficiaries were able to develop proficiencies in the use of report structures to facilitate the correct level of formality required of the centre and ensure that minute details are not left out in report writing.

Commodity Price Surveys and Publication

Prices of common agricultural products in both rural and urban markets have been published from time to time out of the need to provide regular, timely and adequate information to farmers, the public and other stakeholders in the agricultural industry.

Conduct of Socio-economic Survey of Nestle Soyabean project participating States in Southwest Nigeria.

In support of the major priority to build the capacities of soyabean farmers, emerging from the Nestle Soyabean Popularization and production Project (SPPP), sponsored by Nestle Nig. Plc, the planning Monitoring and Evaluation/ICT Programme of the Agricultural Media Resources and Extension Centre(AMREC), conducted a participatory baseline and needs assessment survey to investigate a range of socio-economic and demographic characteristics of the participating project states and beneficiaries. This was meant to account for variations in achievements, if any, (e.g. social and cultural changes, production, experiences, and technological changes farmers needs), from time to time and at the end of the project life. Four hundred and twenty five respondents from one thousand one hundred and ten household were selected as sample for the survey in all the participating states.

Monitoring of Extension Services Programmes and Activities

The Monitoring efforts made on extension services delivery programmes and projects were meant to keep tracks with the implementation processes and to advise Centre's management on progress and performance through the provision of timely information required for decision making. The Programme also provided during the year, the bases for suggestions on corrective actions in order to regain consistency with the work plan made. All the projects and activities of AMREC were monitored from time to time by the PME/ICT Programme during the period under review.

Monitoring of NESTLE-UNAAB Soyabean Popularization Project

S/N	States Visited	Date of the Visits	Remarks
1.	Ogun State ADP HQ, Alabata Community, Olorunda Community, Oyo state ADP zonal Office, Ibadan, Oyo state zonal HQ, Saki, Osun state ADP HQ, Lagos State Agricultural Development Authority (LASADA), Ondo State ADP HQ and Ekiti State ADP HQ	November 18, 2009 - January 21, 2010	The visits were meant to sensitize on the 2010 soya bean production season throughout the southwest
2.	Ekiti state : (Ikole, Ayedun, Ipao-Ekiti, Isinbode, Ode, Ire communities and Environs.)	Monitoring of Seeds distribution from June – July 2010 & Monitoring of cultivated farms September 15 to October 8, 2010. Seeds distribution was based on States' resource endowments, capacities/skills to cultivate the crop and willingness of the farmers to sell their produce after harvest and	45 hectares of land were cultivated with 2250kg distributed to farmers
	Ondo state: Ipele-Ido, Omu, Akure, Ifon-Ose LGA.		25 hectares of land were cultivated with 1250kg distributed to farmers
	Osun state: (Iwo, Coker and Osogbo)		25 hectares of land were cultivated with 1250kg distributed to farmers
	Oyo state: (Saki East, Saki West and ATISBO L.G.As)		40 hectares of land were cultivated with 2000kg distributed to farmers

	Ogun state: (UNAAB, Ajegunle-Adao, Alabata, Isaga-Orile,& Olorunda	proper cleaning to Nestle Nig. Plc.	31 hectares of land were cultivated with 1550kg distributed to farmers
	Lagos state: (Ikoga, Badagry)		20 hectares of land were cultivated with 1000kg distributed to farmers

Report of the Gender Issues and Youth Development (GIYD) Programme In 2010

The Gender Issues and Youth Development (GIYD) programme of AMREC - UNAAB has the responsibility of improving the participatory capabilities of women in the University mandate area in the development of themselves, their families, their communities and the nation at large. The programme is an improvement over the conventional Women-In-Development (WID) programme and adopts the integrated farm-family approach and utilizes gender-sensitive and gender-specific strategies in working with farm-families, since 1995. This is premised on the recognition of the fact that Gender Issues are not exclusively women issues, but developmental and important farm-family issues in Agricultural Extension.

Components and Programme focus

The Gender Issues and Youth Development Programme (GIYD) of AMREC-UNAAB focus on the following:

- (a) Women Specific Issues
- (b) Gender Issues (Gender Sensitive and Gender-Specific Projects for females and males)
- (c) Youth Development Issues (UNAAB YD Project)

Achievements made by the GIYD Programme

Over the reporting period, the GIYD programme has been performing the following activities towards improving the participatory capabilities of women, and uplifting the farm-families' socio-economic status and overall wellbeing.

- (a) Poverty Alleviation and Income generation programmes for farm-family members.
- (b) The Farm-Family Health Project (FFAHEP) including HIV/AIDS prevention and control campaigns among farm-families in Ogun, Oyo, Osun, Ondo and Ekiti states.
- (c) On-campus and village-based demonstration on Utilization of Soyabeans and other food crops for enhancement of farm-children's nutritional status.
- (d) Training workshops on post-harvest technologies (processing/storage/packaging techniques of high quality gari, lafun, fufu, beans flour, pepper, melon etc).
- (e) Enlightenment of women group leaders on financial management of the self-help revolving loan scheme and maintenance of women groups' savings account with UNAAB community bank.
- (f) Monitoring of women's group activities for enhancement of sustainability, improved socio-economic status and conflict management/resolution amongst individuals, families and groups.

Major Extension Activities - 2010

- (a) UNAAB-YD programme and capacity-building for youths
- (b). Fortnight and monthly meetings with women groups

- (c) Capacity-building Training workshop on positive parenting techniques for opinion leaders and parents
- (d) Control of epidemic and HIV/AIDs through campaign and training on environmental Hygiene
- (e) Workshop on Utilization of Soybeans recipes and other food crops in Nigerian cookery
- (f) Vocational Training and Capacity-building Workshops for rural farming towards enhancement of socio-economic status.
- (g) Capacity-building Workshops on alternatives to carbonated drinks using citrus fruits and vegetables
- (h) Community-Based Capacity-building & Family Health Education for Farm-families in UNAAB Extension Villages
- (i) Physical Health Assessments, First-Aid/Family Health & Referral services for Farm-families in UNAAB Extension Villages
- (j) UNAAB Nutrition Education Project (UNEP) for In-school Youths & Farm-families

Major Capacity-Building Workshops - 2010

S/N	ACTIVITIES	VENUE
1.	Preparation of soybean based products as confectioneries, soy cheese, soy puff-puff, soy akara, soymilk and soy chinchin	University of Agriculture, Abeokuta (UNAAB) Campus
2.	Training on processing and utilization of soybean paste and flour for food fortification. Different uses of soybean as an inexpensive protein as a means of improving the family nutrition and economic status	Olorunda Community in Abeokuta North Local Government Area
3.	On Campus Capacity Building Training Workshop for Edo State Students Association and demonstration on how to prepare soy-milk, soy puff-puff and soy chin-chin	UNAAB Campus
4.	Capacity Building Training Workshops for farm-families in UNAAB Neighbourhood on production of chin-chin, puff-puff, bean cake (<i>akara</i>), kunu zaki (In Series)	AMREC/UNAAB Agbede Adult Literacy Centre
5.	Capacity Building Training Workshop for farm-families in UNAAB Neighbourhood on production of confectioneries such as; meat pie, fish roll, cake, rock buns, puff-puff and chilled zobo drink	On-Campus GIYD-AMREC Nutrition/Food Processing Laboratory
6.	Nutrition Education Project - Kitchen and personal hygiene, rules for washing fish, meat and other meat products. Preparation of balanced diet using the four (4) food groups, different methods of cooking; frying, blanching, boiling and stewing	UNAAB International Secondary School

Special Projects

Nestle-funded Farm-Family Health Project in South-west Nigeria

AMREC-Odeda Local Government funded Adult Literacy Project for farm-families in UNAAB Neighbourhood (Alagbede Adult Literacy Centre, OLG Nursery/Primary School, Opposite UNAAB Main Campus)

Plans for the future

- Strengthening the capacity of the GIYD programme through personnel development and fund-sourcing
- Further Implementation and replication of activities listed in 4.0 above in UNAAB's catchment area and the various extension villages and secondary schools as stated in the AMREC Comprehensive 2011 Work-plan.

Photographs



Provision of free Physical Health Assessment & Health Services for farm-families at Iwo under the Nestle Project in October 2010



Capacity-building training for women in Agbede Village, near UNAAB in August 2010 with Mrs. Hamzat of AMREC (demonstrating) as a Resource Person



Nutrition class for the Nutrition Club of University International School with Mrs. Bandipo of AMREC as a Resource Person

Activities and Achievements of the of Training and Farm Demonstration Programme

Background Information

One of the major activities of the Agricultural Media Resources and Extension Centre, (AMREC), is to organize and coordinate specialized trainings and workshops for farmers, extension workers as well as the other stakeholders in Agriculture within the Southwest catchments area of the University. Through these, the Centre will be able to develop appropriate attitudes, knowledge, skills and behavioral patterns required by farmers, extension staff and other people in agricultural development, to perform adequately on a given job.

Some of the strategies used by the Training and Farm Demonstration Programme during the reporting period include:

- (i) design of workshops at regular intervals for farmers, extension staff and members of the public;
- (ii) Organization of seminars and conferences specifically for Administrators, Researchers and extension services personnel;
- (iii) Promotion of sustainable collaboration with other research institutes and the ADPs in the Southwest.

Activities of Training and Farm demonstration Programme in 2010

Activities of Training and Farm demonstration Programme in 2010 include:

- (i) Organization of Pre-season training Programme for farmers ;
- (ii) Establishment and supervision of soybean farms in Lagos, Ogun, Oyo, Osun, Ondo and Ekiti States;
- (iii) Seed procurement and distribution to farmers for planting;
- (iv) Fabrication and distribution of threshers to farmers;
- (v) Supervision and maintenance of seed extension village project with National Agricultural Seeds Council;
- (iv) Collaboration with Odeda Local Government Council on the establishment and management of 2-hectare plantain plantation and production of cocoa seedlings for Adao community; and
- (v) Establishment and management of 2-hectare plantain plantation and one-hectare yam farm established for Apena Kemta community.

Achievements of Training and Farm Demonstration Programme in 2010

Pre-season Training/Workshop on Soybean Popularization and Production Project (SPPP) in Southwest Nigeria

Pre-season trainings were held between March 24 and June 25, 2010 in all the participating states. The trainings specifically took place in Olorunda, Ogun State on March 25(214 participants); Saki in Oyo state on April 27 (71 participants), Iwo in Osun state on April 28 (59 participants), Akure in Ondo state on June 17 (26 participants), Ikole-Ekiti in Ekiti State on June 18 (56 participants), and Ikoga in Lagos state on June 24 (46 participants). The trainings were organized in collaboration with the ADPs in the respective states. A total of four hundred and seventy-two (472) participants benefited from the trainings which featured:

- Recommended practices for soybean production
- Economic Issues in soybean production
- Post-harvest handlings practices in soybean production
- Pre- and post- evaluation of the training

Seed Procurement for Planting

Efforts were made to ensure that viable and high quality certified seeds were sourced and purchased for distribution to soybean farmers in Southwest Nigeria for planting. (See Table 5).

Seed Distribution and Planting

Distribution of seeds was based on the willingness of the farmers to comply with requirements of the cultivation.

Sources of Seeds distributed for Soybean project in 2010

Source	Varieties supplied	Quantity supplied (kg)
Institute of Agricultural Research and Training (IAR&T)	TGX 1740 – 2F	1000
Oyo State Agricultural Development Programme (OYSADEP)	TGX 1440 – 1E & TGX 1448 – 2E	8300
Total		9300

Soybean participating farmers' Location and Quantities of Seeds distributed by State

State	Farm size (ha)	Qty of seeds supplied (kg)	Locations
Ekiti	45	2250	Ikole, Ayedun, Ipao-Ekiti, Isinbode, Ode, Ire and environ
Ondo	25	1250	Ipele-Ido, Omu, Akure, Ifon-Ose LGA.
Osun	25	1250	Iwo, Coker and Oshogbo
Oyo	40	2000	Saki East, Saki West, Atisbo LGA.
Ogun	31	1550	UNAAB, Ajegunle-Adao, Alabata, Ishaga-Orile, Olorunda
Lagos	20	1000	Ikoga, Badagry
TOTAL	186	9300	

Supervision of Soybean Fields

The soybean popularization project team paid visits to AMREC catchment states (Table 6) in southwest Nigeria to monitor the progress of Soybeans production on farmers' farms and provided technical advice on the management of the crop, the need for timely harvesting, and other cultural practices to curb the incidence of aflatoxin and mycotoxin on the harvested soybean grains. The purposes of the visit were to:

- appraise the status of the crop in the fields;
- see the extent of maturity and
- advise on the need for timely harvesting and other handling processes to avoid wastage.

On July 8 and 9, 2010, the NESTLE Nig. Plc. Officers namely, Mr. Nduanusi N. Chika and Miss Seun Akinosho, and members of the NESTLE-UNAAB project team visited Saki in Oyo state for soybean grain sampling for quality analysis together with the support of Oyo State Agricultural Development Programme (OYSADEP) staff. Also, on the 7th and 8th September, 2010, representatives of the Nestle Nig. Plc. (Mr. Klutse Kudomor, Mr. Bola Audu, Miss. Seun Ayeni, and Miss. Oluwaseun Akinoso) led by Mr. Klutse Kudomor and the UNAAB- AMREC project team (Prof. F. K. Salako, Dr. O. J. Olaoye, Messr. O. T. Onifade and I. T. Olabode) visited soybean farms in Ajegunle-Adao in Odeda Local Government Area of Ogun State and Saki in Oyo State. During the visits, advisory services were offered to farmers as found necessary on the field.

Monitoring of NESTLE-UNAAB Project in selected Locations

S/N	States Visited	Dates visited	Communities visited
1.	Oyo	September 7, 2010	Saki East, Saki West and ATISBO Local Government Area
2.	Lagos	September 15, 2010	Ikoga, Badagry
3.	Ekiti	October 5, 2010	Ikole, Ode, Isinbode, Ire-Ekiti, & Oye
4.	Ondo	October 7, 2010	Akure, Owo, Indese,
5.	Osun	October 8, 2010	Oshogbo, Coker, Iwo

Table 6: Output from Soybean Farms

S/N	Participating States	Local Government Area/ Farm Location	No. of Farmers involved in Soyabean cultivation	Yields (Metric tons) /kg
1.	Oyo	ATISBO	10	7.6 tons
		Saki west	9	26.3 tons
		Saki east	4	13.3 tons
		Other Growers	<u>5</u>	<u>34.0 tons</u>
	Total for Oyo state		<u>28</u>	<u>81.2 tons</u>
2.	Ogun	Ajegunle/Adao	1	1,061.5kg
		AMREC	1	364.2 kg
		Olorunda	<u>7</u>	<u>2,000.0 kg</u>
	Total for Ogun state		<u>9</u>	<u>3,425.7 kg</u>
	Grand total		37	84.635.7 tons

Fabrication and Distribution of Threshers

Six (6) diesel engine threshing machines were contracted out to S. Addis Steel Works Limited in Ibadan for fabrication. These machines have been supplied and distributed.

Participation in the Stakeholders' Forum on Soy Summit 2010

On Thursday 27, May, 2010, the Training and Farm Demonstration Programme Leader, Dr. O.J. Olaoye, Mr. Olabode and the Director, AMREC, Prof. F. K. Salako attended the Soy Summit 2010, jointly organized by Federal Institute of Industrial Research Oshodi

(FIIRO), Raw Materials Research and Development Council (Federal Ministry of Science and Technology) and Spectra Industries Limited. The summit, with the theme **“Promoting Commercial Processing and Utilization of Soybean in the Food Industry”**, was held at De Renaissance Hotel 172, Obafemi Awolowo Way, Ikeja, Lagos. NESTLE Nigeria Plc. promotion of soybean cultivation through AMREC was highlighted during the summit.

Seed Extension Village Project with National Agricultural Seeds Council (NASC)

Following the memorandum of understanding between UNAAB – AMREC and the National Agricultural Seeds Council (NASC) on October 28, 2009 on establishing “Seed Extension Villages” in three Agriculture Zones of Ogun State, the Training and Farm Demonstration Programme of AMREC was mandated to execute the project. The project took off with the collection of foundation seeds from NASC, Ibadan on 6th May, 2010. Farmers who participated were supplied with seeds, herbicides and fertilizers (Table 7).

On Friday August 20, 2010, NASC officials from Ibadan (Mr. R.I. Okalanwa-Seed Certification Officer for South West, Nigeria and Mr. A.O. Agboola. Seed Law Enforcement Officer) visited the NASC Seed Extension Villages fields at Ajegunle–Adao and Moloko – Asipa.

Table 7: Selected Seed Extension Villages for National Agricultural Seed Council Project

Village/Contact farmer	Crop	Area planted (ha)	Seed quantity (kg)	Date of planting (2010)	Other inputs supplied	Output/kg
Isaga-Orile/Alhaji Hassan	Cowpea (Ife BPC)	0.5	15	September 9	Codal Gold, Gramoxone and Karate	
Ajegunle-Adao/Alhaji Oladunjoye Akorede	Maize (Suwan1)	1.0	25	July 7	Codal Gold, Gramoxone, NPK (20:10:10) Urea	292
	Cowpea (Ife BPC)	0.5	15	August 2		122
Odeda/Mr. Edwin Udu	FARO 44 (Lowland rice)	0.1	15	Nursery-June 26 Transplanting on September 10	Gramoxone, Solito, NPK (20:10:10)	123
Moloko-Asipa, Owode LGA/Pastor Adenekan	Maize	1.0	25	June 3	Codal Gold, Gramoxone, NPK (20:10:10); Urea	800
	NERICA I (Upland rice)	0.75	45	May 8		300

Organization of a Farmers’ Field day

Farmers’ field day was organized on Wednesday, September 29, 2010 at Ajegunle-Adao Community. The field-day was aimed at sensitizing farm families on the need to produce certified seeds in each cropping season. The gathering also afforded participants the opportunity to share their knowledge, expertise, experience and skills on the productions of maize and cowpea. Among participants during the field day were Mrs. Atolagbe from NASC Office, Abuja, who represented the Executive Director, Chief. O. J. Shobowale and Mr. Isiwere Segun Robinson, Ogun State NASC Officer.

Activities for the day included:

- Inspections of one hectare cowpea and one hectare maize demonstration plots during which the contact farmer, Alhaji Oladunjoye Akorede discussed the production and cultural practices carried out on the field.

- Brief talk on modern techniques of maize and cowpea production and management by Dr. O. J. Olaoye.
- Exposition on post - harvest handling and storage activities by Dr. O. J. Olaoye.
- Careful handling of seeds by Professor F. K. Salako

The forum afforded the farmers, AMREC Staff, Ogun State Agricultural Development Programme (OGADEP) and NASC representatives' opportunity to exchange ideas on the way forward in maize and cowpea production and marketing. There were forty farmers (male 21, female 19) in attendance.

The maize and rice in Moloko-Asipa were harvested between 15th and 20th September, 2010. At Ajegunle-Adao, maize was harvested on November 12, 2010 while cowpea was harvested shortly after maize harvest.

Odeda Local Government Project

Activities of Training and Farm Demonstration Programme in the Odeda Local Government – UNAAB Joint Integrated Project include:

- Training on dry season Fadama Vegetable production at Adao community on January 26, 2010.
- Procurement of 200 cocoa seed pods (AMAZON VARIETY) from Cocoa Research Institute of Nigeria (CRIN) on February 24, 2010.
- Establishment of cocoa nursery at Adao community on March 3, 2010.
- Maintenance of 2-hectare plantain plantation, each at Adao and Apena Kemta, and 1-ha of yam farm at Apena Kemta
- Establishment of nursery for 5000 cocoa seedlings at Adao Village
- Handing over of 5000 cocoa seedlings to farmers by the Odeda Local Government Chairman, Honorable Kayode Akintunde, during Farmer's Field Day held on Wednesday June 9, 2010 at Adao Village.
- Handing over of fertilizers (NPK 20:10:10) to both Adao and Apena Kemta communities for fertilization of plantain farms in June 2010 by AMREC, with Honorable Kayode Akintunde in attendance
- Monitoring of yam milking exercise at Apena Kemta on Monday September 20, 2010.
- Maintenance of two-hectare plantain plantation at Adao and Apena Kemta and one-hectare yam farm at Apena Kemta in Odeda Local Government Area.

The two communities benefitting from the Odeda Local Government Project have started receiving income from the sales of yams and plantain. All proceeds belong to the community, for further investments that will aid community development

Establishment of AMREC Demonstration Farm

After the take-over of original AMREC Demonstration Farm by the Teaching and

Research Farm Directorate (TREFAD), AMREC set up another Demonstration Farm on-campus in 2010 to serve as a training site for some of the workshops organized by AMREC. Enterprises managed on the demonstration farm included a 2-ha soybean field (TGx 1448-2E) and a 1-ha maize (Suwan 1-Y) intercropped with cassava (TMS 419). The soybean has been harvested.

The Training and Demonstration Programme also supported other programmes of the centre and offered advisory services to farmers from Isaga-Orile and Imala. Dr. O. J. Olaoye was also co-opted into other University activities such as Committee for the Establishment of Community-Based Farming Scheme.

Participation in the Stakeholders' Forum on Research Extension Farmers Input Linkage System (REFILS)

The Sectoral Review of OFAR/Extension Proposals for the year 2010 production season was held between 26th and 29th January, 2010 at the National Food Research Agency, Ibadan. The forum brought National Research Institutes (NRIs), ADPs in Southwest Nigeria, Universities, Industries and Farmers together to discuss technology generation, dissemination and utilization among organizations. There was a discussion on, On - Farm Adaptive Research (OFAR) trials to be carried out in the year by each ADPs.

The 2010 edition of REFILS workshop was held between February 23 and 26, 2010 at the Institute of Agricultural Research and Training (IAR&T), Ibadan. AMREC took part in the exhibition of Publications and Agro-products as well as in-depth discussion on OFAR workshop for sustainable agricultural development.

Future Plans of Training and Farm Demonstration Programme

1. Provision of Technical and Advisory Services on all Agricultural Enterprises in UNAAB Catchment Areas
2. Organization of Training Workshops in Agricultural Enterprises (felt-needs)
3. Establishment and Management of Demonstration farm plot within and outside the University
4. Collaboration and execution of National Agricultural Seeds Council and NESTLE Soybean Project

Operating Programmes and Sub-Programmes of AMREC

Presented below are the list of existing operating programmes and Sub-programmes of AMREC during the reporting year.

Operating Programmes and Sub-Programmes of AMREC

S/N	Operating Programmes	Sub-Programmes	Programme Leaders
1.	Extension and Adaptive Research	(i) Arable crops (ii) OFAR/Extension Demonstration (iii) Input sourcing and procurement (iv) Agro-forestry (v) Seeds and Seedlings procurement (vi) Preventive/healthcare/Livestock production (vii) Freshwater/Aquatic management (viii) Fisheries management	Mr. I.A. Adeniji
2.	Media and Farm Broadcast	(i) Maintenance and Repairs (ii) Audio-visual production (iii) Extension Communication Services	Mr. O. Oyekunle
3.	Gender Issues and Youth Development (GI&YD)	(i) Health and Literacy (ii) Storage, Processing and utilization of agricultural produce (iii) Income-generating Activities (iv) Schools programmes (v) Cooperatives and Group formation (vi) Gender & Youth Development Issues	Dr(Mrs.)G.O. Sokoya
4.	Planning Monitoring and Evaluation/Information & Communication Technology (PME/ICT)	(i) Diagnostic Surveys (ii) Programme Monitoring & Evaluation (iii) Statistics and Record keeping (iv) Data Analysis/Interpretation (v) Market price Surveys and Analysis	Dr(Mrs.)D.A Adegbite

5.	Training and Farm Demonstration	(i) Agricultural Training/Workshops (ii) Establishment of Plantations /Demonstration Farms (iii) Income-generating Ventures	Mr. M.A. Jaiyeola
6.	Administration	General Administration (i) Secretariat/Clerical services (ii) Transportation/Maintenance	Mrs. O.A. Giwa
Note: The Director's Office is in charge of the overall administration of AMREC.			

Extension and Adaptive Research Programme

Extension Programmes and Activities of the Crop Extension Sub-Programme

During the reporting year, some of the activities and achievements made by the Crops sub-Programme include :

- (i) Participation in the Annual Sectoral Review Meeting of Research-Extension-Farmers-Input-Linkage-System (REFILS);
- (ii) Participation in the Stakeholders' Forum on Research-Extension-Farmers-Input-Linkage-System (REFILS);
- (iii) Participation in the Odeda L.G.A- UNAAB Partnership Integrated Agricultural Development Project;
- (iv) UNAAB-NESTLE Soya bean Popularization and Production in Southwest Nigeria;

3.5 UNIVERSITY HEALTH CENTRE



Dr Amusan
Director, Health Services

The Health Services Department is the healthcare provider for the entire staff and students' population of the university. The university health centre is located on the left side of the ceremonial road after the central mosque and opposite the sports centre. It provides healthcare services for the university community round the clock.



ACTIVITIES OF UNAAB HEALTH SERVICES

Administratively, the university health services comprised of five units. The consulting unit, nursing unit, pharmacy unit, pathology laboratory unit and the medical records unit. All these units are staffed with qualified personnel's of different professional callings. Three of these units (consulting, nursing and pharmacy) operate full 24 hours services to clients while the remaining two (pathology laboratory and medical records) operate call duties after the official closing hour 4.00pm daily. To facilitate the emergency responsiveness of the university health centre is the ever ready ambulance services with five drivers on shift duties to cover the 24 hours services.

Paramount among the services rendered by the UHS is the students pre-admission medical screening. This is a seasonal duty of the UHS mandatory to be performed on every newly admitted students of the university. It entails specific tests on students blood, stool and urine and chest x-ray. These tests are particularly necessary to identify those with infectious diseases among the yearly new intakes with the intention of not putting these in hostels to curtail spread of diseases among our students population. Those identified to be carrying infectious diseases are promptly treated their contacts too are traced and treated from an off campus location. Of particular importance here is pulmonary Tuberculosis which we treat freely under the Tuberculosis and leprosy program of the Federal Governments Direct Observation Treatment (DOT). Year after year this program has yielded positive results in identifying students coming in with TB who otherwise would have been mixed with the normal students' population in the hostels.

Another important service of the centre is the routine medical screening of the entire workforce (Junior, senior and management staff) of the university. Here we normally screen staff for the two most important non communicable diseases (Hypertension and diabetes). Majority of our new cases of hypertension and diabetes were discovered during the last screening exercise.

Village outreach health education program involves participation of staff of UHS through AMREC. Our staff are sent on this village outreach program on rotational basis to ensure even spread of expected skills and experiences.

The UHS in UNAAB is an accredited centre for the National health insurance Scheme of the Federal Government. The consulting and pharmacy units were registered as care providers at the primary level while the pathology laboratory was registered as both primary and secondary care provider. The Health Maintenance organization (HMO) assigned to the university by FG since the inception of the program is MAAYOIT HEALTHCARE LTD. The program has enjoyed patronage of all cadres of staff in the university. Presently, funding of the program is derived from capitation of N550/month/live from the NHIS. This translates in other words, the more the number of lives (enrolees) registered under each health care provider, the more the total capitation funds accruable to it monthly. So far, UNAAB health centre has been receiving commendation from the inspection teams of NHIS whose visits are usually unpredictable on services being provided and accounts record keeping. The NHIS program of UNAAB health centre has a separate board in place which has an oversight function on her activities.

Since UNAAB health centre is statutorily expected to provide services at primary care level, patients with ailments requiring specialist care are promptly referred to higher healthcare institutions like Federal Medical Centre, Abeokuta., Neuropsychiatric hospital, Aro and occasionally University College Hospital Ibadan. Services to these referred clients do not end after their transfer to these centers, a team of health centre professionals which includes doctors, nurses and laboratory staff are usually sent on welfare visits for reports on our referred cases periodically. These welfare visits are also extended to discharge clients recuperating in their various homes.

VOLUNTARY COUNSELLING AND TESTING CENTRE: The university voluntary counseling and testing centre was originally established to offer needed counseling and testing services in the area of HIV/AIDS. Because of the overwhelming publicity HIV/AIDS programs enjoyed in both print and electronic media nationwide, this unit experiences heavy patronage from the students population. The patronage continuously overstretch the available testing kits in the unit. The dedication of an experienced Chief Nursing Officer who had on the job training in counseling to this unit had paid off in so many ways. People troop to the unit daily for confidential counseling and testing without fear of any stigmatization. Presently we are enjoying support of LACA and SACA (Local and State Action Committees on HIV/AIDS) in Ogun State in supply of testing kits.

SPECIAL PROJECT: The UNAAB health centre was chosen as a centre for SIDCAIN. SIDCAIN is strategy for Improved Diabetes Care in Nigeria. Under SIDCAIN program, free screening test of sugar level and Blood pressure measurement were done for staff volunteers of the university on quarterly basis. Each quarterly activity is preceded by enlightenment carnival round the university campus. It also included capacity building trainings for the health care professionals.

SENIOR STAFF ATTENDANCE			
MONTH	M	F	TOTAL
JANUARY	74	52	126
FEBRUARY	66	42	108
MARCH	75	77	152
APRIL	48	24	72
MAY	41	34	75
JUNE	53	64	117
JULY	84	60	144
AUGUST	81	52	133
SEPTEMBER	63	76	139
OCTOBER	70	47	117
NOVEMBER	76	84	160
DECEMBER	50	65	115
TOTAL	781	677	1458

JUNIOR STAFF ATTENDANCE			
MONTH	M	F	TOTAL
JANUARY	29	17	46
FEBRUARY	25	14	39
MARCH	40	28	68
APRIL	37	14	51
MAY	22	14	36
JUNE	25	24	49
JULY	30	30	60
AUGUST	32	18	50
SEPTEMBER	32	19	51
OCTOBER	37	16	53
NOVEMBER	31	18	49
DECEMBER	25	10	35

2010 NHIS CLIENTS ATTENDANCE			
MONTHS	M	F	TOTAL
JANUARY	105	113	218
FEBRUARY	850	120	970
MARCH	138	163	301
APRIL	116	126	242
MAY	70	96	166
JUNE	139	162	301
JULY	145	146	291
AUGUST	129	119	248
SEPTEMBER	113	104	217
OCTOBER	126	140	266
NOVEMBER	172	155	327
DECEMBER	80	144	224
TOTAL	2183	1588	3771

2010 NON STAFF ATTENDANCE			
MONTH	M	F	TOTAL
JANUARY	15	2	17
FEBRUARY	12	0	12
MARCH	7	2	9
APRIL	5	7	12
MAY	5	2	7
JUNE	8	3	11
JULY	11	3	14
AUGUST	15	5	20
SEPTEMBER	4	1	5
OCTOBER	19	6	25
NOVEMBER	8	4	12
DECEMBER	3	1	4
TOTAL	112	36	148

2010 UNAABITES ATTENDANCE			
MONTH	M	F	TOTAL
JANUARY	445	425	870
FEBRUARY	457	340	797
MARCH	208	169	377
APRIL	304	210	514
MAY	643	580	1223
JUNE	974	757	1731
JULY	545	387	932
AUGUST	774	657	1431
SEPTEMBER	687	535	1222
OCTOBER	361	317	678
NOVEMBER	230	152	382
DECEMBER	428	452	880
TOTAL	6056	4981	11037

2010 UNIS ATTENDANCE			
	M	F	TOTAL
JANUARY	34	44	78
FEBRUARY	37	39	76
MARCH	107	94	201
APRIL	0	0	0
MAY	20	18	38
JUNE	32	30	62
JULY	56	51	107
AUGUST	0	0	0
SEPTEMBER	10	0	10
OCTOBER	96	67	163
NOVEMBER	81	67	148
DECEMBER	47	34	81
TOTAL	520	444	964

PATIENTS ATTENDANCE AT THE UNIVERSITY HEALTH CENTRE

B(ii). QUARTERLY PRESENTATION							
QUARTER	SENIOR	JUNIOR	NHIS CLIENTS	NON STAFF	UNAABITES	UNIS	TOTAL
1ST QUARTER 2010 PATIENTS ATTENDANCE	386	153	1489	38	2044	355	4465
2ND QUARTER 2010 PATIENTS ATTENDANCE	262	136	709	30	3468	100	4705
3RD QUARTER 2010 PATIENTS ATTENDANCE	416	161	756	40	3586	117	5076
4TH QUARTER 2010 PATIENTS ATTENDANCE	388	137	817	41	1940	392	3715
TOTAL PATIENTS ATTENDANCE IN 2010	1452	587	3771	149	11038	964	17961

3.6 *'NIMBE ADEDIPE LIBRARY*



Mr. T.A. Agboola
University Librarian

The University Library named after the pioneer Vice-Chancellor of the University is a two storey building located on the crest of a hill at the centre of the University. It came into existence in 1988, when the University was established. The Library inherited about 16,000.00 volumes of books and 120 titles of local and foreign journals from its predecessors, i.e. the defunct Federal University of Technology (FUTAB) and the College of Science and Technology, University of Lagos (COSTAB). The Library now has close to 60,000 (sixty thousand) volumes of books and subscribes to over 125 local and foreign journals in print and electronic formats.

There are five distinct sections in the library. These are Cataloguing, Serials, Reader's Services, Acquisition and Automation Units.



Cataloguing Section

The Cataloguing Section is in charge of processing all new books and non-book materials by cataloguing and classifying them, after which the materials would be made available to users. In the year

under review the section catalogued a total number of one thousand two hundred and seven books (1,207).

Serials Section

Serials Section is in charge of both print and electronic journals. Due to paucity of funds, several foreign journals were suspended to give room for databases which were subscribed to or made available freely to the library by local and international donor organizations. These include TEEAL, AGORA, AGRICOLA, e-Granary and EBSCOHOST.

The section being a research section is open only to faculty staff, postgraduate students and undergraduates known to be writing their final year projects with a letter of introduction from the head of their departments.

In the year under review, a total number of 66 journals were consulted while 2,796 print out were made from the CD-ROM databases.

Acquisition Section

The Acquisition Section of the library selects and acquires books for the library. During the year under review a total number of one thousand four hundred and twenty five (1,425) books were acquired for the library.

Automation Section

The section is in charge of subscription and maintenance of all the electronic soft ware and hard ware of the library. By the year 2010 the library has up to 50 wireless desktop computers.

Reader's Services Section

The Reader's Services is the major service point in the library. This is where all registrations, loans and reference transactions take place. It deals directly with users. During the period under review a total number of 6,886 users were registered, 4,324 books were borrowed for home use while a total number of 282, 343 books were consulted.

OTHER ACTIVITIES

The Library served both students and staff of the University. The external users were not left out of the services. There were training programmes for staff members, postgraduate and undergraduate students on the use of library electronic resources.

In the year under review, a total sum of thirty million naira (₦ 30m) Education Trust Fund (ETF) was approved for the procurement of books journals, laptops computers, library furniture and equipments.

The College of Natural Science Library was opened to users in the year.

Eleven (11) new librarians were recruited into the services of the University.

Books, journals and personal documents donated by the pioneer Vice Chancellor Professor Nurudeen Olorunnimbe Adedipe were formally handed over to the University, hence the creation of 'Nimbe Adedipe Agricultural Research Collection.

FUTURE PLANS OF THE UNIVERSITY LIBRARY

The University Library plans to establish College Libraries in those Colleges that are yet to have one. As the University plans to become a poly University in the near future, there will be the need for purpose built college libraries for the new professional colleges that will be established such as Law Library for the proposed Law College and Medical Library for the proposed College of Medicine.

There is also the need to move ICTREC from the library building to its own building to provide more reading space for users and administrative offices in the library for the staff.

The Library will also need to subscribe to more electronic resources as well as print journals.

3.7 *DIRECTORATE OF LINKAGES AND PARTNERSHIP*



Dr. O.D. Akinyemi
B.Sc., M.Sc., Ph.D. (Ibadan)
Director, Linkages & Partnership

Following the re-establishment of the Directorate of Linkages and Partnership in September 17, 2007, after a year-long merger with the University Research and Development Centre, the Directorate through aggressive and strategic approaches has moved the University towards the path of exploring full opportunities that abound globally. The Directorate has developed strong, mutual and rewarding Linkages and Partnership with national and international institutions, agencies, industries, alumni and other stakeholders with a view to enhancing capacity building, curricular development as well as fund mobilization.

The Directorate has embarked on purposeful collaboration drive for the University towards massive sponsorships and rebranding of UNAAB to attract collaborators and to explore full opportunities that abound around the world for the maximum benefit of the University, particularly the staff and students.

Directorate of Linkages and Partnership is also involved in sourcing for speakers, especially education attaches from the developed world as resource persons for workshop aimed at sensitizing UNAAB community on the various opportunities around and how to benefit from them.

INTER UNIVERSITY LINKAGES

UNAAB is currently engaged in inter University linkages with several reputable institutions. Some of the collaborating institutions are:

11. Mendel University of Agriculture and Forestry Brno, Czech (2004)
12. University for Development Studies, Ghana (July 5, 2004)
13. Cornell University Ithaca, New York USA (June 6, 2009)
14. The Ohio State University, Columbus, Ohio USA (September 9, 2009)
15. Nottingham University, United Kingdom (October 23, 2009)
16. University of Alberta, Canada (October 30, 2009)
17. Indian Institute of Energy Management, Chennai India (December 12, 2009)
18. MOI University, Eldoret Kenya (September, 2010)
19. Reactivation of MOU with Mendel University of Agriculture and Forestry, Mendel 2010.
20. National Water Research Institute, Kaduna (March 17, 2010)
21. Ancharya N. G. Ranga Agricultural University (ANGRAU) (December, 2010)

Some of the partnerships have started to yield staff exchange opportunities for UNAAB staff especially in COLPLANT and COLAMRUD

The University has helped to facilitate Continuous Staff Development for various officers of the University through training courses in Solar energy, Internal Auditing, Strategic Finance, Professional courses in Public Relations, Training course in procurement and Train the Trainer in the following places: London, UK, SA Dubai, and India from July 2007 to date.

CONTINUOUS STAFF DEVELOPMENT

S/N	NAME	DEPARTMENT	THEME	VENUE	DATE	STATUS
1.	Ilesanmi, M.O	Bursary	Management Dev. Centre	South Africa	Nov 10-28, 2008	Deputy Bursar
2.	Aroyeun, F. T	Audit	“ “	South Africa	Oct 6-17, 2008	Deputy Director
3.	Kuforiji, C. B	Registry	“ “	South Africa	Nov 13 – 21, 2008	Deputy Registrar
4.	Oloruntoba, E. O.	Bursary	“ “	South Africa	2009	Deputy Bursar
5.	Ademola Oyerinde	Registry	Train the trainer	London, UK	July 13 – August 24, 2009	Registrar
6.	Ajayi, E. O.	Bursary	Train the trainer	London, UK	“ “	Bursar
7.	Adeboye, A. O	Registry	Training course in procurement	Dubai, UAE	Oct 19 -30, 2009	Director of Council Affairs
8.	Kuforiji, C. B	Registry	Train the trainer	London, UK	Sept 7-18, 2009	Director, Council Affairs
9.	Aroyeun F. T	Audit	Internal Auditing	Dubai, U.A.E	Oct. 19-20, 2009	Director, Internal Audit
10.	Somoye O. P	Public Relations	Professional Congress in Public Relations	Dubai, UAE	Nov. 6 -12, 2009	Asst. Director, public Relations
11.	Osinuga, O. O	Bursary	Strategic Finance	Dubai, UAE	Oct 19 – 30, 2009	Chief Accountant
12.	Amubode, O. O.	Audit	Internal Audit	Dubai, UAE	Oct 19 – 30, 2009	Principal Accountant
13.	Banjo, O. T	Works Services &	Training on Solar Energy	India	Dec 10-24, 2009	Chief Electrical Engineer
14.	Salaam, A.O	Senate Admission &	e-administration	Israel	21 – 4 June, 2010	Senior Assistant Registrar
15.	Fadairo, I. O	Bursary	e-Accounting	Israel	21 – 4 June, 2010	Principal Accountant
16.	Baiyewu, Y.P	Audit	e-Auditing	Israel	21 – 4 June, 2010	Principal Accountant
17.	Oyedepo, J	IFSERAR	Geographical Information System	Israel	21 – 4 June, 2010	Research Officer
18.	Bankole, E. A	IFSERAR	Landscaping	Israel	7 -25 Oct, 2010	Ag. Director, Environmental Unit
19.	Ojoye, A.B	Registry	Effective Communication & Writing Schemes	Israel	7-20 Dec 2010	Senior Assistant Registrar

S/N	NAME	DEPARTMENT	THEME	VENUE	DATE	STATUS
20.	Adeyemo, M.A.O	Bursary	Modern trends in Banking	Israel	9-20 Dec, 2010	Chief Accountant
21.	Alebiosu, J. A	Bursary	e-Accounting	Dubai	Oct 11 – 22, 2010	Chief Accountant
22.	Ogini, O	Registry	e-Administration	Dubai	Oct 11 – 22, 2010	Deputy Registrar
23.	Banuso, O. O.	Registry	e-Administration	Dubai	Oct 11 - 22, 2010	Senior Asst. Registrar
24.	Adeofun, A. O.	Bursary	e-Accounting	Dubai	Oct 11 – 22, 2010	Chief Accountant
25.	Akindele, J. J	Registry	e-Administration	Dubai	Oct 11 – 22, 2010	Admin Officer I
26.	Dauda J. K	Physical Planning	Project Management	Dubai	Oct 11 – 22, 2010	Planning Officer II
27.	James, I.	Animal Physiology	Dairy Technology	Dubai	7-15, Nov 2010	Senior Lecturer
28.	Omoregbe, Mabel	Elect/Elect	Training on Solar Energy	India	Dec 10-24,2009	Chief Electrical Engineer
36.	Alawode, E.J	Registry	London Academy for Higher Education	Dubai, UAE	7 th February – 18 th February, 2011	Principal Assistant Registrar
37.	Ewedairo, I	Bursary	London Academy for Higher Education	Dubai, UAE	7 th February – 18 th February, 2011	Chief Accountant
38.	Bamgbose, O. O	Academic Planning	London Academy for Higher Education	Dubai, UAE	7 th February – 18 th February, 2011	Principal Planning Officer

WORLD YOUTH CONGRESSES

For the students, UNAAB through Centre for Internationalisation and Partnerships (CENIP) facilitates the process of applications of its overall best students in male and female categories and other student leaders to attend World Youth Congresses holding in different part of the world.

S/N	NAME	CONFERENCE TITLE/VENUE	STATUS	DATE
1.	Olawale Faluyi	15 th World Youth Congress, Turkey	Chairman, Male Hostel, 2009	July 31 – August 13, 2010
2.	Chukwudima Nzene	“	Chairperson, Female Hostel, 2009	July 31 – August 13, 2010
3.	Olatunde Akeem Oderinwale	“	Best Overall Male, 2009	July 31 – August 13, 2010
4.	Chioma Okere	“	Best Overall Female, 2009	July 31 – August 13, 2010

The Directorate of Linkages and Partnership has not faltered in collating the extent and nature of linkages by the various departments, academic centres with other Universities, research centres, industries, laboratories in and outside Nigeria and their relative benefit to the University. This became evident with the first of its kind Linkage news sponsored by well meaning Nigerians.

Showcasing of the achieved collaboration is proof of the ability of the University staff to deliver on the resources externally committed to or shared with her. We have also achieved in sourcing for sponsor for our UNAAB Linkages and Partnership News Publication which is expected to be released quarterly and covering Linkages and Partnership news and other opportunities in the area of staff exchange.

In other to fully internationalise the University, the Directorate of Linkages and Partnership was renamed as Centre for Internationalisation and Partnerships (CENIP) with effect from 30th June, 2010.

EDUCATION TRUST FUND: ACADEMIC STAFF TRAINING AND DEVELOPMENT

The Centre through the Education Trust Fund (ETF) intervention has been facilitating admissions for the Junior Research Fellows of the University for Masters and PhD programmes in U.K Universities. Academic staff pursuing PhD's in different Departments locally have been variously assisted to get bench placements outside Nigeria for periods ranging from six (6) months and one (1) year with a view to expediting the completion of such programmes. Details are in the table below.

S/N	NAME	DEPARTMENT	THEME	VENUE	DATE	STATUS
1.	Dare Akerele	Agric Econs & Farm Mgt	PhD	Reading, UK	2009	Junior Research Fellow
2.	Adeleye, Gbenga	Animal Production & Health	PhD	New Castle, UK	2009	Junior Research Fellow
3.	Ojelabi, Adejoke	Biochemistry	Msc	University of Leeds, UK	2009	Junior Research Fellow
4.	Muideen Alade	Forestry & Wildlife	Msc	Edinburgh, University	2009	Junior Research Fellow
5.	Salam-Saghir, Petra	Agric Extension	Bench work	Greenwich, UK	2009	Assistant Lecturer
6.	Fetuga, Ganiyat O	Food Science & Technology	Bench work	Greenwich, UK	2009	Lecturer II
7.	Ilori, B. M	Animal Breeding & Genetics	PhD	University of Nottingham, UK	2010	Junior Research Fellow
8.	Taiwo, A. M	Environmental Management & Toxicology	PhD	University of Birmingham, UK	2010	Junior Research Fellow
9.	Oladoyinbo, F. O	Chemistry	PhD	University of Reading, UK	2010	Junior Research Fellow
10.	Iyasere, O. S	Animal Physiology	PhD	New Castle University	2010	Asst. Lecturer
11.	Adekola, T. O	Plant Breeding & Seed Tech	Msc	The University of Manchester, UK	2010	Junior Research Fellow
12.	Idehen, E. O	Plant Breeding & Seed Tech.	Bench work	Beijing China, Institute of Vegetable & Flower	2010	Lecturer II
13.	Ojo, O. E	Vet Micro & Parasitology	Bench work	University of Science & technology, USA	2010	Lecturer II
14.	Takeet, M. I	Vet. Micro & Parasitology	Bench work	Cornell University, USA	2010	Lecturer II
15.	Olukunle, J. O	Vet Physiology & Pharmacology	Bench work	University of Manitoba, Canada	2010	Lecturer II
16.	Dansu, B. M	Statistics	Bench work	University of Saskatchewan, Canada	2010	Lecturer II

EDUCATION TRUST FUND: CONFERENCE ATTENDANCE

The ETF introduced the Conference Attendance intervention for all Universities 2010 to which UNAAB was the first University to access. The format prepared by UNAAB was adopted for other Universities to follow. This was alluded to by the Executive Secretary of ETF, even at his interaction with the National Executive members of the Academic Staff Union of Nigerian Universities.

Details of UNAAB Beneficiaries are in the table below:

ETF CONFERENCE ATTENDANCE SUMMARY		
BATCH	ACADEMIC STAFF	NON-TEACHING STAFF
Batch 1	9	-
Batch 2	9	12
Batch 3	4	-
Batch 4	2	-
TOTAL	24	12
GRAND TOTAL	=	36

UNIVERSITY OF AGRICULTURE, ABEOKUTA FOREIGN AFRICAN SCHOLARSHIP SCHEME (UFASS)

Through the efforts of CENIP, the University of Agriculture, Abeokuta established the UFASS as a conscious effort to disseminate knowledge, through its contribution to sustainable development and poverty reduction; and support research efforts to be integrated into the international scientific community through the creation of opportunities for nominees of selected West African Countries to undertake varying programs of study at UNAAB to foster capacity building and ensure partnership in educational development of the sub-region.

The scholarships are to be awarded to nominees of the governments of concerned countries who will be expected to make significant contributions to the development of their home country following completion of their scholarship.

PURPOSE OF THE SCHEME

Education is of critical importance within UFASS framework for the purpose of achieving a safe and just African subregion free of poverty. The thrust of the UFASS scholarships is aimed at:

- i. Meeting the short-term human resource training needs of selected countries within the West African subregion.
- ii. Striving to maximise the long term development impact of poverty reduction.
- iii. Placing national development needs ahead of personal development of individual awardees.

LEVELS OF STUDY

UFASS scholarships are available for the following levels:

- i. **Skills Acquisition Programmes (SAP):** A 6 month intensive programme for high school leavers to acquire basic skills in Agriculture practices including poultry management, Horticulture, Aquaculture and Fisheries management, Veterinary Medicine and Animal Sciences.

- ii. **Undergraduate Programmes (UP):** A four/five year programme available in various disciplines including Veterinary Medicine, Animal Sciences, Water Resources Management, Fisheries Management, Horticulture, Poultry Management, Natural Sciences and Engineering.
- iii. **Postgraduate Programme (PGP):** A two year programme leading to Masters degree or 3 year programmes leading to Doctorate degrees in various disciplines as in (ii) above.
- iv. **Post Doctoral Programme (PDP):** A one year programme in any of the various disciplines mentioned in (ii) above.

ACTIVITIES OF THE UFASS

RESUMPTION LECTURE

The first set of UNAAB Foreign African Scholarship Scheme (UFASS) students (eleven) resumed as scheduled and lectures commenced on 10th January, 2011. Lectures and practicals run for eight (8) and sixteen (16) hours respectively per week for each course beginning from Monday 10th January, 2011. E-copy and hard copy of lecture notes are available.

2. RESIDENT PERMIT

Resident Permits were obtained for the students in line with Nigeria Immigration Service requirements.

3. ACCOMMODATION

The students were given befitting accommodation at the PG hostel.

4. INSURANCE:

The University Insurance Company (Princeton Health Insurance Limited) was contacted on insurance scheme for the awardees for the period of their programme. Premium of the sum of three thousand, six hundred naira (N3, 600.00) per student per annual for coverage of the sum of three hundred thousand naira (N300, 000.00) was agreed upon.

5. PRODUCTION OF HANDBOOK

A draft of UFASS Scholarship Handbook, an ideal resource for foreign students who need help for their scholarship programmes was produced and is being processed for printing.

6. ORIENTATION PROGRAMME FOR THE FIRST SET OF UFASS STUDENTS

The orientation programme which started at about 10.10 a.m had in attendance 11 beneficiaries (10 Liberians and 1 Gambian) of UFASS, Deans, Directors, Head of Units, HODs, and Pressmen from Punch, Daily Independent News Papers and Galaxy TV. The Guest Speakers were Dr (Mrs) Jamila Shuara, Director of Tertiary Institutions, Federal Ministry of Education, represented by the Assistant Director, Mr. Akinyele, R. W, who delivered a talk on 'Impact of Scholarship on Nation Building' and Dr. Greene Anike Nweeze, The Comptroller, Nigeria Immigration Service, Ogun State Command, represented by Mrs Mofikoya O. D, Immigration Divisional Officer, ECOWAS and African Affairs

- 8. **ADMISSION:** Ten nominees from Liberia and one nominee from Gambia were granted admission for Skills Acquisition Programme (SAP) as follows:

List of students of UNAAB FOREIGN AFRICAN SCHOLARSHIP SCHEME (UFASS)

S/N o	Name	Country	Sex	Progamme	Course	College
1	Moses S. Davies	Liberia	Male	SAP	HRT	COLANIM
2	Gregory T. Logan	Liberia	Male	SAP	APT	COLERM
3	Chelleh B. Mitchell	Liberia	Male	SAP	AFM	COLERM
4	James S. Yarkpawolo	Liberia	Male	SAP	ANH	COLVET
5	Johnson Smith	Liberia	Male	SAP	AFM	COLERM
6	Preston Anderson	Liberia	Male	SAP	PMT	COLANIM
7	Edward Fatoma	Liberia	Male	SAP	ANH	COLVET
8	Festus E. Samah	Liberia	Male	SAP	ANH	COLVET
9	Beatrice S. Bowman	Liberia	Female	SAP	PMT	COLANIM
10	Tokpa B. Yarnga	Liberia	Female	SAP	AFM	COLERM
11	Camara Madou	Gambia	Male	SAP	ANH	COLVET

NB: SAP= Skills Acquisition Programme, APT=Animal Production Techniques, WRM=Water Resources Management, AFM=Aquaculture & Fisheries Management, ANH=Animal Health, PMT=Poultry Management

8. ALLOWANCES AND ENTITLEMENTS: Allowances and Entitlements **paid to the beneficiaries are presented below.**

Monthly UFASS Scholarships allowances and entitlements for January 2011

S/ No	Name	Country	Local Transportati on	Accommo dation & Feeding	Maint enanc e	Books/P eriodical s	Total
			₦	₦	₦	₦	₦
1	Moses S. Davies	Liberia	20,000	70,000	7,500	15,000	112,500
2	Gregory T. Logan	Liberia	20,000	70,000	7,500	15,000	112,500
3	Chelleh B. Mitchell	Liberia	20,000	70,000	7,500	15,000	112,500
4	James S. Yarkpawolo	Liberia	20,000	70,000	7,500	15,000	112,500
5	Johnson Smith	Liberia	20,000	70,000	7,500	15,000	112,500
6	Preston Anderson	Liberia	20,000	70,000	7,500	15,000	112,500
7	Edward Fatoma	Liberia	20,000	70,000	7,500	15,000	112,500
8	Festus E. Samah	Liberia	20,000	70,000	7,500	15,000	112,500
9	Beatrice S. Bowman	Liberia	20,000	70,000	7,500	15,000	112,500
10	Tokpa B. Yarnga	Liberia	20,000	70,000	7,500	15,000	112,500
11	Camara Madou	Gambia	20,000	70,000	7,500	15,000	112,500
	Total						1,237,500

A summary of approved UFASS Scholarships allowances and entitlements per candidate is provided

Programme Type	Local Transportation	Accommodation and Feeding	Maintenance	Books/Periodicals	Tuition	Insurance PA/PH	Total
	N	N	N	N	N	N	N
Skill Acquisition	20,000 (120,000PH)	70,000 (420,000PH)	7,500 (45,000PH)	15,000 (90,000PH)	Free	300,000	975,000
Undergraduate	20,000 (240,000PA)	70,000 (840,000PA)	7,500 (90,000PA)	20,000 (240,000PA)	Free	500,000	1,910,000
Postgraduate	20,000 (240,000PA)	75,000 (900,000PA)	10,000 (120,000PA)	25,000 (300,000PA)	Free	500,000	2,060,000
Post Doctoral Fellowship	20,000 (240,000PA)	75,000 (900,000PA)	20,000 (240,000PA)	5,000 (60,000 PA)	N/A	500,000	1,940,000

below:

PH= Per half a year, PA= Per Annum; US\$1=N153 as at November, 2010. All visa related expenses and international travels are to be borne by the awardees or nominating countries.

9. CURRICULUM: The approved curricula for Skills Acquisition Programmes are practically inclined, dynamic and addresses industrial and market needs. 60% of the contents of the curricula are practical classes, field trips, industrial/ farm visits. The approved curricula for Skills Acquisition Programmes are in the following courses:

- i. Certificate course in poultry management
- ii. Certificate course in animal production technique
- iii. Certificate course in horticulture
- iv. Certificate course in animal health
- v. Certificate course in water resources management
- vi. Certificate course in aquaculture and fisheries management

CTA INTERNATIONAL WORKSHOPS

UNAAB bided for and successfully won the hosting right for an international workshop on Web 2.0 which had been held in other parts of the world, but was the first of its kind in Nigeria.

UNAAB as the local coordinator of the workshop in Nigeria, held the first phase of the workshop at Abeokuta (UNAAB) from September 20 – 24, and the final phase at Ibadan (U.I) from October 4 -8.

The success of the workshop encouraged the Vice-Chancellor to approve a similar in-house workshop on Web 2.0 for both Academic and Non-teaching staff of UNAAB from November 1-4, 2010.

3.8 A.G. LEVENTIS MEMORIAL CENTRE FOR LEARNING (LEMCEL)



Professor L.O. Sanni
B.Sc., M.Sc., Ph.D. (Abeokuta)
Director, LEMCEL

The Center, A. G. Leventis Memorial Centre for Learning (LEMCEL) was bequeathed to the University of Agriculture Abeokuta by A. G. Leventis Foundation in October 8, 2003. The Centre also has a school of Art and design which is into production of African Prints and other gift items. The unit started production in August 2004.

LEMCEL is committed to re-orientate investors and industrialists on viable technological discoveries, innovations and good practices to promote sustainable agriculture and industrial growth through networking, workshops, seminars and trainings. The Centre consists of cybercafé section, library section, AG Leventis Musuem section, African print & Art School section. The Centre has 1 Director, 1 Curator, 1 HEO, 1 System Analyst, 1 EO Account, Security Officers, and Cleaners.

Research Activities

LEMCEL serves as the secretariat of the *Cassava: Adding Value for Africa (C: AVA) project* worth \$13.3m (\$1.32m for Nigeria) from May 1st 2008 till 2011. This project is sponsored by Bill & Melinda Gates Foundation through Natural Resources Institute of Greenwich University, Chatham, Kent, UK. UNAAB ensured active collaboration with private and government agencies within our catchment area. The strategy adopted was to work with nine service providers with each having its individual contract terms based on the organisation's area of strength.

LEMCEL also serves as the secretariat to the Association of African University (AAU) collaborative research worth £68,000 on "Partnership for Regional Food Developers' Initiative" with Sierra Leone, Benin Republic and Nigeria, which started November 2008 and to end November 2010.

3.9 **WORKS AND SERVICES DEPARTMENT**



Professor S.B. Adejuyigbe
Director, Works and Services Department

Works and Services Department was established in February 1984 by the defunct Federal University of Technology, Abeokuta (FUTAB), which transformed into the University of Agriculture, Abeokuta (UNAAB) in January, 1988.

From inception till now the mandate of the department has been to maintain the physical and infrastructural facilities of the institution.

The Department started with an Engineer, three technologists and five craftsmen and its main activities were in the areas of general building and vehicle maintenance. The department has grown over the years and now comprises:

- Electrical Maintenance Division with Power, General Electrical and Telecom units.
- Mechanical Engineering Maintenance Division with Refrigeration / Air-conditioning, Diesel Engine and Petrol Engine units, and
- Civil Engineering Maintenance Division.

Works and Service Department is vested with the Maintenance of infrastructures, road, electricity supply, water supply, vehicles air-conditioner and other conveniences of the university.

Electrical Unit

The Unit is one of the integral parts of the Department. The Unit has been effectively stream lined to two major parts, for ease of operations within the campus. They are:

1. **Domestics**
2. **Power (Network)**

The Unit is responsible for regular supply of power (electricity) within the University campus and her sisters' communities/building (mini campus, LEMCEL, Vice-Chancellor's Lodge etc). To ensure this, the Unit need maintain and operate all electrical equipment and facilities required for the supply of power. A high percentage of the Unit staff also run shift for effective performance.

GRADUATE RECORDS AND CAREER CENTRE (GRECC)

The Centre was created in February, 2007 in response to, and in compliance with the express demand of the Federal Ministry of Education in Abuja through the National Universities Commission. The thrust of the centre is the development of comprehensive records of Graduating students, the Alumni and Career Counseling.

In line with the above, the centre has three Units:

1. Graduate Records Unit.

This unit is involved in the production of a compendium of graduating students per year.

2. Alumni Unit.

This unit seeks to create an active link between the University and the UNAAB Alumni

3. Career Unit.

This unit is involved in Guidance Counselling and Career Counselling.

4.0 LIST OF STAFF ACADEMIC PUBLICATION PUBLICATIONS

- Abioja, M. O., Osinowo, O. A., Adebambo, O. A., Bello, N. J. and Abiona, J. A. 2010. Effect of water restriction in goats during hot-dry season in the humid tropics: feed intake and weight gain. *Archivos de zootecnia* 59(226):195-203
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