

CURRICULUM VITAE

GORDON OKUMU WAYUMBA

BSc Eng. (Surveying and Photogrammetry, UoN),

Msc Remote Sensing (Cornell University, USA), PhD Geospatial Engineering
(UoN)

MISK (LSC), CLS (EA.), LicSurv(K).

January, 2015

P.O. Box 53387, 00200 NAIROBI
TEL: 0722 775 168 +254 (0) 20343672
gowayumba@gmail.com

1. Personal Data

Name: Gordon Okumu Wayumba

Date of Birth: July, 1952

Marital Status: Married with children

Nationality: Kenyan.

Languages: English, Kiswahili.

2. Academic and Professional Qualifications

- PhD (Geospatial Engineering, Nairobi, 2013)
- Msc (Remote Sensing and Aerial Photographic Studies); Cornell University, U.S.A, 1981-1982.
- B.Sc Eng. (Surveying and Photogrammetry); University of Nairobi, Kenya, 1973-1976.
- Certificated Land Surveyor (East Africa) (CLS (EA)
- Member of the Institution of Surveyors of Kenya (MISK) (Land Surveyors Chapter)
- Licensed Land Surveyor of Kenya, LS(K)
-

3. Responsibilities at the International Forums

Currently the Vice-President for the Commonwealth Association of Surveying and Land Economy (CASLE) for the Eastern Africa Region.

Co-Chair to Working Group 2.1 of FIG Commission 2. Towards Educating the Land Professional

4 Employment History

July 1976-Nov 1991: employed as Land Surveyor in the department of Survey (Survey of Kenya).

Nov 1991-May 2019: Lecturer in the department of Geospatial Science and Space technology, University of Nairobi.

May 2010-Date: Senior Lecturer at the Technical University of Kenya.

5. Key Qualifications

- Over Thirty six years of experience as a professional surveyor
- Licensed Land surveyor in Kenya and a Certified Land Surveyor in East Africa Region (CLS (EA)).
- Professional practice has covered cadastral surveying, engineering surveying, topographic mapping, remote sensing, and environmental impact analysis GIS Mapping GPS surveys.
- Specialized expertise in remote sensing and image analysis
- Extensive experience in administration in leadership positions has held various positions at the Kenya Government Survey Department (Survey of Kenya) where he was Staff Surveyor, District Surveyor, Provincial Surveyor and Superintending Surveyor; Principal of survey of Kenya Training School, member, Secretary of Land Surveyors Board and Chairman of the department of Geospatial Engineering, University of Nairobi.

Academic Activities

- 1988** - Part-time lecturer in Remote Sensing at the Kenya Polytechnic for Higher National Diploma course in Land Surveying
- 1989** - Part-time Lecturer, Remote Sensing (Theory and Applications) for M. Phil. Students, School of Environmental Studies, Moi University.
- 1989 – 90** - Resource person in the development of curriculum for the post-graduate courses at the School of Environmental Studies, Moi University.
 - Examiner and moderator of Kenya National Examination Council for Higher National Diploma In Land Surveying Examinations (Theory and Practical) of the Kenya Polytechnic.
 - Participated in the development of the 8-4-4 Syllabi for Diploma in Land Surveying of the Kenya Polytechnic at the Kenya Institute of Education (K.I.E).
- 1991 - 2010** - Lecturer in Remote Sensing, GIS and Land Surveying at the University of Nairobi.
- Dec 2001 – Sept. 2007-** Chairman, Department of Surveying, University of

Nairobi

2009 - Participated in the development of curricular for Bsc. Land Administration and BEng. Geospatial Engineering at the Technical University of Kenya.

2010 to Date Senior Lecturer/ and Chairman in the Department of Geospatial Science and Engineering at the Technical University of Kenya
Mainly teaching, Land Administration, Cadastral Surveying, Remote Sensing and Digital Image Processing.

January 2014-Date Appointed as Acting Director of the School of Surveying and Geospatial Sciences

Employment History

July, 1976 - Nov., 1979 - Staff Surveyor II, mainly involved in Field work

Nov., 1979 - Nov., 1986 - Staff Surveyor I

Oct., 1983, - Dec., 1983 - Acting Provincial Surveyor Eastern Province based at Embu.

Jan, 1984 – Dec. 1986 - **District Surveyor for South Nyanza** based at Homa-Bay.

Jan. 1987 – May 1989 - **Principal of the Survey of Kenya Training School.**

-

June 1989 –August 1990 - **Provincial Surveyor for Nairobi Province.**

Sept. 1990 – Nov., 1991 - **Superintending Surveyor in charge of Cadastral Surveys, Ministry of Land, Hosing and Urban Development, Ardhi House, Nairobi.**

- Final approval of jobs before title deed plans and Registry Index Maps are prepared for title deeds.

- Administration of all the staff in the cadastral branch.

- Preparation of monthly and annual reports.

- Nov. 1991 – May 2010***
- **Lecturer at University of Nairobi**
 - Lecturing students in the department of surveying on Remote Sensing, Geographic Information System (GIS), and Land Surveying.
 - Lecturing Architecture students on “Land Surveying”.
 - Lecturing Anthropology students at the National Museum on surveying methods for Anthropology
 - Lecturing Civil Engineering students on engineering survey techniques.
 - Lecturing Land Economics and Building Economics on Land Surveying
 - Part time Lecturer in Remote Sensing at Department of Civil Engineering at Jomo Kenyatta University of Agriculture and Technology (JKUAT).

May 2010- to Date **Senior Lecturer at the Technical University of Kenya**

ACCOMPLISHED SURVEYING TASKS

- May 1975***
- Carried out survey to re-establish the boundary between Samburu and Laikipia Districts based at Dol-Dol town.
- Aug.-Sept.1976***
- Carried out photo-control survey for the extension of Kapsabet town in Nandi District. The town boundary has since been extended and depicted in the current topographical map of Kapsabet town.
- Sept. - Nov.1976***
- Carried out extensive survey work in Kilifi, Malindi, Lamu and Tana River Districts with the Japanese International Cooperation (JAICA) Mapping team as part of the basic data required for the preparation of 1:50,000 topographical maps of the area. These maps are currently available and are being used for development planning in the SEVERAL Counties in the Coastal Region.
- Dec.1976 - Feb.1977***
- Carried out extensive first order geodetic control in Wajir, Marsabit and Isiolo Districts with British Military Surveyors (Exercise Four Pence) as part of basic ground control needed for planning development projects such as

mapping, road construction, dams, airstrips etc. This project involved working at night in a relatively hostile environment.

Nov.1977 - Feb.1978

- Carried out photo control survey for the extension of Kisii Township. The boundary has since been extended and depicted on the current map of Kisii Municipality.

March 1978 - Apr.1979

- Attached to the Directorate of Overseas Surveyors (DOS) and carried out Mapping Surveys in Baringo, West Pokot, Keiyo, Marakwet and Turkana Districts. This project involved provision of survey control for the preparation of South Turkana 1:50,000 topographical base maps.

July 1979-Dec.1980

- Was fully in charge of an extensive survey project covering parts of Nyanza and Rift Valley Provinces to metricate 1:50,000 topographical maps in the area. The project covered Kisumu, South Nyanza, Narok, Kericho and Kisii Districts.

LAND USE AND LAND COVER MAPPING

1983

- Used multi-date panchromatic black-and-white aerial photographs to map areas under active cultivation in Kitui and Baringo Districts.
- Mapped population distribution patterns with respective dot system in two districts and transferred data to the 1:500,000 base maps of the area.

1987

- Carried out an extensive integrated research in Kombewa sub-location of Kisumu District to determine farmers' resource constraints to food productions at the house hold level for ICIPE'S social-science interface programme.

CADASTRAL PROJECTS

1991-1992

- Cadastral survey of the perimeter of the Awendo Nucleus Estate

1992 – 1994:

- Subdivision of Olgulului/Lolarash Group Ranch at Loitokitok into 3600 plots and preparation of title deeds of all plots.

- 1993-1995** - Subdivision of 4000 acre Bidii farms in Kitale into several parcels; and prepared title deeds for all plots.
- 1994-1996** - Carried out various surveys for Kenya Railways corporation in Nairobi, Mombasa, Kisumu, Eldoret and Nakuru.
- 1995 – 1996:** - Carried out surveys of Jomo Kenyatta International Airport, Eldoret Airport, Nakuru Airstrip, Malindi Airport, Wilson Airport, Mombasa Airport, Ukunda Airstrip, Kisumu Airport.

Lokichkio Airport, Nanyuki Airstrip, Manda Airstrip and Garissa Airstrip. In each case the survey was done up to procurement of title deeds for the Kenya Airports Authority.
- 1996:** - Surveyed plots at Matuga, Msabaha, Thika, Mtwapa, for the Kenya Agricultural Research Institute (KARI).
- 1997:** - Involved in the survey and preparation of title deeds of several projects for the Kenya Ports Authority and the National Museums of Kenya.
- 2003 – 2004** - Survey of School of Infantry at Isiolo (DOD).

2003-2004

Surveys on Lamu Island

Carried out a comprehensive survey of Lamu old Town and Shela Beach Area. Developed digital cadastral maps of Lamu old town and Shela Beach maps superimposed with Black-and-White orthophoto. Also carried out ground Laser Scan of Lamu Fort in 3D. All these data are available with me up to date.

Carried out a complete control survey of Lamu Old Town and Shela Beach together with Orthometric and Ellipsoidal Heights from leveling and GPS measurements. All the GPS coordinates and the ground Traverse coordinates are available.

Carried out cadastral survey of the sand dunes for titling purposes and computed the areas. All the coordinates and observations are available.

Carried out mapping of all the utilities in Lamu old town. These included water supply from the sand dunes to the old town and Shela area, power lines and the location of water wells in both Shela Beach area and in the old Town. Also mapped the positions of the foot bridges (Wikios) in Lamu old Town and found out that only 19 of them are surviving.

Mapped all the heritage sites in Lamu Old Town and the Shela Beach area for digital conservation. The buildings mapped include, the Museum, the Fort and Swahili House.

August 2010 – Dec 2011

A resurvey of the old Ramisi Nucleus Estate and integration of orthophoto and DTM data in precision farming for sugar cane. The project was sponsored by the African Development Bank and involved re-settlement of squatters in designated areas.

2012-2014

Survey of Kirima plot in Njiru to determine squatter invasion for Court presentation

Survey of Nairobi School for re-establishment of boundary beacons and determination of private property encroachment onto the school property

Survey for fixation of General boundaries in Kajiado County for Wind Energy production

2013-to Date

Survey of 24 informal settlements in Kenya under the Kenya Informal Settlements Improvement Programme (KISIP). 13 Settlements in Nairobi, 7 in Mombasa, 2 in Thika and 2 in Embu.

GIS RELATED PROJECTS

- (1) Development of GIS Database for Water Resources in the Districts of Lamu, Kilifi, Kwale, Baringo, West Pokot and Turkana. This project was a consultancy for the National Water and Pipeline Corporation Board.
- (2) GIS integration of Indigenous Knowledge in Climate Risk Management to support community – Based Adaptation to Climate Change; Nganyi Community in Bunyore, Western Kenya.

- (3) The African Monitoring of Environment for Sustainable Development, (AMESD; The Project Involved the use of GIS and Remote Sensing in Mapping Land Degradation and Habitat Conservation in the entire IGAD Region.
- (4) Use of GIS in the development of a geospatial database for Integrated Precision Farming at the old Ramisi Sugar Farm, Kwale District, Kenya.
- (5) Improved Agricultural Production and Food Security to enhance Adaptation to Climate Change Variability and change through Timely Dissemination of Climate Products and Services in the IGAD Region.
- (6) Developed an integrated GIS-Based Cadastral database for Mavoko area in Kenya based on hybrid of Object Oriented model and Relational database model.
- (7) Developed a Geodatabase for the ASAL Districts in Kenya with Oakar Services.
- (8) Development of Geospatial Database for urban Agriculture in Kisumu and Thika based on the STDM software.
- (9) Spatial Mapping and Planning of Kirinyaga County and development of a Land Information Management System as a consultancy under the Technical University of Kenya

Workshop/ Conferences Publications

1. **Wayumba, G.O. 1994:** Remote-sensing methodologies for mapping crustal Deformations in the East Africa Rift Valley System. Proc. 4th International symposium on Recent Crustal Movements in Africa, Nov. 28th – Dec. 2nd. Nairobi, Kenya, pp 181-188.
2. **Wayumba, G.O. 1999:** Land Survey Policy and Human Settlement Planning in Kenya. Proc. of Regional workshop on Land Survey and Large-Scale Mapping in support of settlements. HABITAT, Nairobi, Kenya, 4th – 8th October. Pp 92 – 99.
3. **Wayumba G.O., 2000:** The Role and potential of Land Surveying in urban land management in Kenya, Regional Conference on Urban Land Management in Emerging Land Markets in East Africa, 25th – 26th Feb., Nairobi, Kenya.
4. **Wayumba G.O., 2001:** Modeling Potential Disaster Sites for the city of Nairobi, Kenya. Proc. International-Conference on Spatial Information for Sustainable Development, International FIG Conference 2nd – 5th October, pp 1 – 11, Nairobi, Kenya.

5. **Wayumba, G.O. and G.O. Ogallo, 2002.**, GPS in cadastres: A case study of Kenya Proc. of FIG International Congress, Washington, D.C., USA, 19th – 26th April.
6. **Wayumba, G. O. 2004:** A Review of Special Land Tenure Issues in Kenya. Proc. FIG Commission 7, expert Group Meeting on Land Tenure, 10th – 12th November 2004, Nairobi, Kenya.
7. **Wayumba, G.O. 2006:** From Laetoli Footprints to Space Technology in Africa. Proc. of the 11th Workshop on Africa Training Course on Local and Regional Development Planning and Management, 13-17, February, 2006, ICAD Centre Jomo Kenyatta University of Agriculture and Technology, Nairobi.
8. **Olima W.H.A., W.Mwangi, G.Wayumba and E.Njeru, 2010:** The Role of Training in Promoting Sustainable Development in Kenya.
9. **Bennet, R., J. Zevenbergen, M. Lengoiboni, G.Wayumba, S.Omondi, 2013:** The pastoralists parcel: Towards better Land Tenure Recognition and Climate Change Response in Kenya's dry Lands. Proc. FIG Working Week 2013, Abuja, Nigeria, 6-10, May 2013.
10. **Groenendijk, L., F. Hagenimana, M. Lengoiboni, S. Hessen, M. Musingsi, C. Ndjovu, G.Wayumba, 2013:** Proc. Land Administration Academic Education in Eastern Africa. Proc. FIG Working Week, Abuja, Nigeria, 6-10, May 2013.

Journal Publications

1. **Wayumba G.O. and W.R. Philipson. 1985:** Remote Sensing of shifting Cultivation and Grazing Patterns of the Semi-Arid regions of Kenya. Pub. I.T.C. Journal.
2. **Orodi, J.O., G.O.Wayumba, A. Inima, and C. Omuto 2009:** Mapping Sugarcane Biomass Using Remote Sensing. Pub. International Journal of Remote Sensing. Vol.X, 2009.
3. **Ondulo. J.O. G.O.Wayumba and F.W.O.Aduol, 2014:** Accuracy Assessment of Preliminary Index Maps from High Resolution Orthoimages in Kenya. Pub. In the International Journal of Scientific Research and Engineering Studies (IJSRES). Vol 2. ISSUE 1, Jan 2015. ISSN: 2349-8862
4. **Wayumba, G.O. 2014:** The Structure of the Cadastral System in Kenya. Pub. Journal of Land Administration in Eastern Africa. JLEA Vol 1 No. 1 July-December 2013. ISSN 1821-7575, Dar-es-Salaam.

5. **Wayumba, G.O. 2013:** A Historical Review of the Land Tenure Reforms in Kenya. International Journal of Scientific Research and Engineering Studies (IJSRES) Vol 2. ISSUE 1, Jan 2015. ISSN: 2349-8862.
6. **Wayumba, G.O. 2015:** Development of a New Cadastral Model for Kenya. Accepted for publication in the IJSRES Journal as **Man ID: EPI5040065**
7. **Wayumba, G.O.2015:** A Methodology for the Enhancement of Tenure Security in the Informal Settlements in Kenya. Accepted for publication in the IJSRES Journal as **Man ID; EPI5040066.**
8. **Wayumba, G.O. 2015:** The Challenge of sustaining Pastoralism Tenure for Ecological Conservation in the Maasai Mara. Accepted for publication in the IJSRES Journal as **Man ID: 50550014**

Published Books and Maps

1. **Wayumba G.O. 1986:** Thematic Mapping from Satellite imagery, Existing Applications and Future needs in Kenya (J. Denegre, 1989 Ed.), International Cartographic Association Report. Elsevier Applied Science Publishers.
2. **Wayumba, G. O., H. O Arodi and M. Okanga, 2001:** Kenya Tourist Guide Map. Designed and printed for the Kenya Tourist Board, Nairobi.
3. **Wayumba G. O. and H. O. Arodi 2003:** Tourist Map of Western Kenya. Designed and Printed for Bundu Maps, Nairobi
4. **Ouma G., L.A. Ogallo. M. Onyango., G.O. Wayumba., M., J.Mbeva. Achola-Pala Okeyo, and Nganyi Community, 2013:** Coping with Local Disasters using indigenous knowledge; Experiences from Nganyi Community of Western Kenya. LAP Lambert Academic Publishing
5. **Wayumba, G.O., 2014:** Land Tenure and Cadastre in Kenya: History, Status and Future Scenarios (in progress)

MSC THESIS SUPERVISION

1. **Johannes Orod, Odhiambo, 2007:** Prediction and Mapping Sugarcane Biomass Using Remote Sensing and GIS Technologies; MSC Thesis, No, 2007, University of Nairobi.
2. **George Ted Osewe, 2008:** Development of a Prototype Land Information Management System. Msc. (GIS) Project, Department of Geospatial and Space Technology, University of Nairobi.
3. **Sandra Kosgey, 2008:** A Study of the Impact of HIV/AIDS on Women and Land Tenure in Kisumu District, Kenya. Msc in Land Management, KTH, Stockholm, Sweden.
4. **Gitau, Jacinta Muthoni, 2008:** The Effects of Current Land Administration Procedures on Urban Housing: Case Study of the City of Nairobi. Msc in Land Management at the KTH, Stockholm, Sweden.
5. **Beatrice Chika, 2009:** Development of GIS Database for Ruma Women Group, Rarieda Asembo. Msc. GIS Project at the Department of Geospatial and Space Technology, University of Nairobi
6. **Mwenda, J.N., 2009:** Critical Evaluation of the Checking of RTA Surveys in Kenya. Msc Land Management at KTH Stockholm, Sweden.
7. **Joe Ondulo., 2010:** Accuracy Assessment of PID from ortho Rectified Satellite Imagery, MSC Thesis at the University of Nairobi.
8. **Phoebe Ochoo., 2010:** Evaluation of the status of Land Information system in Kenya and strategy for Modernization, Msc. In Land Management at KTH, Stockholm, Sweden.
9. **Wanjiku, J.W., 2009:** Evaluation of the Registration of Title System in Kenya. Msc in Land Management at KTH, Stockholm, Sweden
10. **Catherine Kagendo, Mugwiria. 2010:** Evaluation of the Registered Land Act in Kenya. Msc in Land Administration, KTH, Sweden.
11. **Rebecca Ochong., 2010:** Land Ownership and Succession in Kenya: The Gender Factor. Msc in Land Administration, KTH, Sweden.
12. **Kalade, William Wasiali., 2011:** Modeling General Boundary Disputes. Msc in Geospatial Engineering, Department of Geospatial Engineering and Space Technology, University of Nairobi.
13. **Malachi Odongo. 2014:** The Application of the STDM in Mapping of Informal Settlements in Kenya: A Case Study of Mathare Mashimoni No 10, Nairobi (in progress)

PhD Thesis Supervision (All in Progress)

- 1. Peter Mburu, 2013:** Development of a Modern Land Registration System for Kenya. University of Groningen, the Netherlands, in collaboration with Prof. Leon Verstappen of the University of Groningen and Prof. Jaap Zevenbergen of the University of Twente,
- 2. Mildred M. Aduma, 2013:** Spatial Modelling of the Impact of Climate Variability and its Extremes on Elephant Distribution Patterns in the Fragmented Landscape. Institute of Climate Change and Adaptation, University of Nairobi. In collaboration with Dr. Gilbert Ouma as the First Supervisor.
- 3. Linda Ajuang Ogallo, 2013:** Charcoal Burning and its Impact on Climate Change and the Community in Lower Jubba, Somalia. Institute of Climate Change and Adaptation, University of Nairobi. In collaboration with Dr. Gilbert Ouma as the First Supervisor
- 4. Rhoda Chai, 2014:** Use of Geospatial Technology in Monitoring the Behaviour of Velvet Monkeys in Nairobi Area. Technical University of Kenya in collaboration with Prof. Dorcas Yole, School of Biological Sciences, as the First Supervisor.
- 5. Beatrice Chika, 2015:** Modelling of the General Boundary System in Kenya. School of Surveying and geospatial Sciences, Technical University of Kenya, Nairobi, in collaboration with Prof.F.W.O. Aduol as the first supervisor
- 6. George Ted Osewe, 2015:** Development of a 4D Cadastre Model for Kenya. School of Surveying and Geospatial Sciences, Technical University of Kenya, Nairobi, in collaboration with Prof. F.W.O. Aduol as the first supervisor

Consultancy Projects

2003-2005: A Pilot study on Nature Conservation and Natural Disaster Management: The Role of Indigenous Knowledge in Kenya. Participated in carrying out the research on Lamu Island, Coast Province.

2007-2011: A comparative Analysis of indigenous knowledge of Rainfall Prediction among the Nganyi Community of Western Kenya and modern science prediction methods as provided by the department of Meteorology Department, Nairobi.

2008-2010: Coordinator of the African Monitoring of Environment for Sustainable Development (AMESD), for all the IGAD countries and carried out several meetings in Addis Ababa Ethiopia.

2012-2014: Improvement of Agricultural Production and Food Security to Enhance Adaptation to Climate Variability through timely Dissemination of Climate Products and Services. Project sponsored by Rockefeller Foundation.

2011-2012: Development of BSc Land Administration Curriculum for the University of Ruhengeri Rwanda. Visited the National Land Centre at Kigali and did presentations to an international Audience on the need for Land Administration in Rwanda.

2006-2010: Coordinator of the Masters training in Land Administration at the KTH, Sweden and trained twenty Kenya professionals in Sweden. During the period we attended annual meetings at the KTH in Stockholm for exchange of views and supervision of the programme.

2006-Date: Coordinator and Member of the Eastern Africa Land Administration Network (EALAN) in collaboration with the Universities of Twente (Netherlands), KTH (Sweden) and Technical University of Munich (Germany). Held annual meetings in Nairobi, Dar es Salam, Kampala and Bahir Dar (Ethiopia), Ruhengeri Rwanda.

2013-2014: Mapping of Informal Settlements in Kenya for issuance of Titles in Nairobi, Mombasa, Thika and Embu in collaboration with Voyants Company from India and the Ministry of Land, Housing and Urban Development.

2014-2015: Mapping of Urban Agriculture in Kisumu City and Thika Town in Collaboration with the Department of Human Geography, University of Lund Sweden.

2014-2015: Development of a Geographic Information System and Knowledge Management Centre for ASAL Districts in Kenya in collaboration with Oakar Services, Nairobi

Financial and Material Support Procured for the University

2011-2013, the United Nations University at ITC Netherlands sponsored Dr. Gordon Wayumba and Dr. Samson Ayugi to four meetings of the Eastern Africa Land Administration Network (EALAN) in Ethiopia, Uganda, Rwanda and Tanzania at a cost of **Ksh. 1,139,200**

In July 2013, the UN-HABITAT sponsored two fourth year Land Administration students (Patrick Mata and Justus Wambai) and Dr Gordon Wayumba to the EALAN conference in Rwanda at a cost of approximately **Ksh 200,000**

In November 2013, the UN-HABIT and the Global Land Tool Network (GLTN) sponsored Dr Wayumba for a week's conference at The Hague (the Netherlands) at an approximate cost of **Ksh 500,000**

In June 2014, the UN-HABITAT sponsored Dr Wayumba to the FIG Congress at Kuala Lumpur, Malaysia at a cost of **Ksh 400,000**

In October 2014 the UH-HABITAT sponsored two final year Land Administration students (Judy Kawira and Justus Wambai) and a member of staff (Mr. George Osewe) to a three day conference on Land Administration in Mombasa at a cost of approximately **Ksh 500,000**

From June 2014 to Date, the Geography Department at the University of Lund sponsored our fourth year students with Ksh **642,000** for digitization and development of database for urban agriculture in Kisumu and Thika Towns. This project was carried out in collaboration with Prof Willis Kosura of the department of Agricultural Economics, University of Nairobi.

November, 2014; Adeso Africa has attached 30 No Land Administration students at a cost of Ksh 800 per day per student and further support with transport, accommodation and meals when on field trips. Total estimated cost for three months is **Ksh 2,160,000**

December, 2014; UN-HABITAT and the Global Land Tool Network will sponsor Dr Gordon Wayumba for a six month sabbatical at the University of Groningen, Netherlands at an approximate cost of **Ksh 500,000**

May 2015; The County Government of Kirinyaga, through coordination of Dr. Gordon Wayumba, has awarded the Technical University of Kenya a tender to carry out Spatial Planning of the whole County. Phase one of the project has been awarded at a cost of Ksh. 32 Million.

In total, I have managed to procure approximately **Ksh 38,441,200.00** for the Technical University in the last five years.

COMMUNITY SERVICE

Past Member of the Board of Governors, Ogada Secondary School, Kisumu County.

Patron of Bar Secondary School, Kisumu County

Patron of Kandalo Welfare Association Nairobi.

Chairman of the Strategic Plan Implementation Committee, AIC, Ziwani, Nairobi.

Chairman of Opaiye AIC Church Development Committee, Kisumu County.