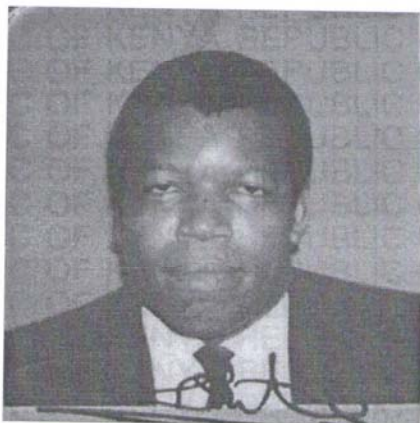


CURRICULUM VITAE



ENG. PETER OLOO OKAKA

P O BOX 50422-00200

NAIROBI

EMAIL: peterokaka@yahoo.com

TELEPHONE: +254 725 157 264

Peter Oloo Okaka
13/11/2015

1.0 PROFILE

A Mechanical Engineer with over 30 years experience in promotion, planning, development and management of Technical and Vocational Education; initially as an Assistant Lecturer, Lecturer, Senior Lecturer, Principal Lecturer, Kenya Polytechnic, Deputy Principal, Kenya Technical Teachers College, Principal, Kenya Polytechnic, Senior Deputy Director of Education (Kenya), Director of Technical Training, (Kenya), a Technical and Vocaitonal Educational Consultant, and now Chairman Mechanical Engineering Department Kenyatta University Chairman Kisumu National Polytechnic Management Council Member of Institution of Engineers of Kenya (IEK) Training and Capacity Building Committee, Chairman TVET Master Plan Committee and Chairman Bullet Jembe Design Committee, Department of Youth Affairs.

2.0 EDUCATION

Master of Science

Mechanical Engineering

(Leeds University) UK

1973

Bachelor of Science (Hons)

Mechanical Engineering

(University of Nairobi), Kenya

1971

Cambridge Higher School Certificate Examination

1966

Principal passes in - Maths, Physics & Chemistry)

Subsidiary pass in - General Paper

Alliance High School Kikuyu, Kenya.

Cambridge School Certificate Examination

Division One

1964

Alliance High School, Kikuyu, Kenya.

Kenya African Preliminary Examination

1960

Got Osimbo Intermediate School, Siaya, Kenya.

3.0 PRACTICAL/INDUSTRIAL TRAINING

3.1 1972 (August and September) UNESCO Fellowship for Practical Training in Britain. -

Worked on the shop floor at the Weir Pumps. The attachment included the use of several typical machines, such as lathes or cutting, milling machines, drilling machines etc. to make specific parts for repair and maintenance purposes. Ltd. at Cathcart Works in Glasgow,

Scotland. Also worked with the Research Department of the same Company at Alloa in Clackmannanshire, Scotland. Took part in the research on stress distribution on rotary pump bodies and cavitation in the high-speed rotary pumps. The stress distribution analysis used strain gauges.

- 3.2 1972 (May - August) - UNESCO Fellowship for Practical Training in Britain. Was attached to the British Hydro-Mechanics Research Association at Cranfield Bedfordshire U.K. Worked in the Departments of Fluid Models, Fluid Sealing and Tribology. Fluid models were mainly related to hydraulic machineries. Played a major role in the design and fabrication Bristol Dock Project rig and received official commendation. Also trained on modeling techniques. Published a paper entitled “The limiting conditions for the formation of air entraining vortices in a dam.”
- 3.3 1970 (May - August) - Underwent an industrial attachment with the Magadi Soda Company, at Magadi, Kenya. Took part in the repair and maintenance of Motor Vehicles and Diesel Engines for generating power. Also did some heavy duty fitting in the main factory.
- 3.4 1969 (July, August, September) - Underwent an industrial attachment with the East African Sugar Industries Ltd. at Muhoroni, Kenya. Spent most of the time in Design and Maintenance Departments of the Company. Specialised in the design, repair and maintenance of rotary pumps.
- 3.5 1968 (July, August, September) - Underwent an Industrial attachment with the then East African Power and Lighting Company now Kenya Power at the Training School in Nairobi where I acquired basic technical skills on machining, fitting and fabrication. Workshop Practice and processes.
- Designed and made a small trailer for company transport of small spare parts, equipment and hand tools.

4.0 EMPLOYMENT RECORD

4.1 *Kenyatta University*

Appointed Chairman Mechanical Engineering Department , School of Engineering & Technology Kenyatta University – 10th January ,2012 to date.

As the Chairman of Mechanical Engineering Department, responsible to the Vice-Chancellor on all matters pertaining to Academics and Administration.

Successfully initiated and carried out staff professional, programmes, laboratories and workshops which culminated into accreditation of Mechanical Engineering programmes by Engineers Board of Kenya.

Lecturer – School of Engineering and Technology, Kenyatta University
September 2008 – to date

Part-Time Lecturer (2007- 2008)
Mechanical Engineering Department, School of Engineering & Technology. Kenyatta University.

4.2 **Ministry of Research and Technology**

Director of Technical Training and Applied Technology (1988 – 2002)
Republic of Kenya. In charge of promotion, planning, development and management of Technical and Vocational Education in Kenya.

4.21 **Training Division**

Responsible to the Permanent Secretary, for Planning, Development Management and Implementation of the 8.4.4 Technical Education Programme at Craft, Technician, Diploma and Higher Diploma levels.

This process included the following activities:

- Identification of Industrial skills needs in Public and Private sectors by carrying out a survey.
- Developing curriculum for importing/teaching these skills done in liason with stake holders.
- Identification, selection and procurement of suitable training equipment/machines for the practical component of 8.4.4.
- Construction of relevant workshops and laboratories.
- Installation and commissioning of all training equipment
- Establishment of maintenance programmes/schedules
- Training of trainers
- Carry out evaluation at appropriate levels to ensure that planned targets were being met and objectives were achieved.
- This was done in conjunction with the Chief Engineers (Mechanical, Electrical, Civil) Ministry of Public Works and various contractors with respect to procurement commissioning & Installation equipment and design and construction of physical facilities.

4.22 **Applied Technology Division**

- ❖ Carried out a comprehensive survey of skills, inventory in the informal sector.
- ❖ Planned ways and means of bridging the skills gaps in the sector
- ❖ Designed, developed and constructed Jua Kali Development Sheds at Strategic sites throughout the Country.
- ❖ The three modes of training: (i) Traditional Institutions such as TTI, National Polytechnic, University and Youth Polytechnic
(ii) Mobile training clinics
(iii) Training vouchers used to procure training from both Public and Private providers.
- ❖ In all cases was in charge of both planning and design training equipment and programmes and physical facilities.

Converted ordinary products to exportable products at specially selected institutions with special equipment such as Kisumu Innovation Centre which was founded by the UK grant.

Organization of exhibition of goods produced for general promotion of the sector and marketing purposes.

4.23 All the activities included planning, designing installation and maintenance of the equipment.

As a member of the Kenya College of Communications Technology, Infrastructure Sub Committee, planned helped in the design and implementation of several projects for building facilities for Multi Media University. Also took part in training workshops and laboratory, development, through selection, procurement, installation and commissioning of equipment and machines in liaison with suppliers.

These included:

- Administration building
- Tuition buildings
- Catering services – Air conditioning and refrigeration system, cold room etc

4.24 As a member of the Technical Committee of Industrial Training Council, Planned, selected and installed training equipment at:

- ❖ Kisumu Industrial Training Centre
- ❖ Nairobi Industrial Training Centre
- ❖ Mombasa Industrial Training Centre

All these were done under the supervision Chief Mechanical Engineer, Chief Electrical Engineer, Chief Energy Engineer Ministry of Public Works.

Took part in selection, procurement installation and commissioning of all the equipment for industrial training purposes in conjunction with suppliers.

This was an initiative by the government in conjunction with JICA (Japan International Corporation Agency)

4.3 Ministry of Education

Senior Deputy Director of Education (1986 – 1987)

Number two within the Directorate of Education, in the promotion, planning development and management of Education in Kenya, from Pre School - University Education Programmes.

4.4 Principal, Kenya Polytechnic (1982 – 1985)

Professional and Administrative Head of the Polytechnic

Put up the Civil and Building Engineering blocks, new mechanical engineering workshops, installed, commissioned and calibrated training equipment.

Held regular meetings with industry to ensure that the programmes, were demand driven. That is to say, i.e. the programmes not only met the ever changing socio-economic circumstances of the country but also the fast changing technology.

45 **Teachers Service Commission**

Deputy Principal, Kenya Technical Teachers College 1979 – 1981

The main role of Deputy Principal was twin pronged-Tuition programmes and Facilities development. Together with the Ministry of Public works designed, and built the physical facilities of the new Kenya Technical Teachers College.

Participated in the procurement, installation and commissioning of the training equipment, catering services the cold room, the air conditioning systems the beautiful gardens with running water throughout the administration, tuition and students hostels buildings.

Preparation of smooth handing over schedules from CIDA to Kenya staff in a sustainable manner. This involved visiting Canada several times to see the Manufacturers of various machines or vehicles to ensure supply of spare parts upon conclusion of the project and training local technicians to produce the parts locally.

This exercise took 2½ years of my 3 years stay at the college.

Established maintenance schedule. This assignment was very exciting and took 2½ years and provided me the opportunity to take part in real engineering works. It was very fulfilling.

Assistant Lecturer, Lecturer and Senior Lecturer and Principal Kenya Polytechnic 1971 – 1978 Subject lecturer in Management, Fluid Mechanics, and Thermodynamics Mechanical Engineering Science but also Course Tutor of Higher Diploma in Mechanical Engineering Course and Deputy Head of Mechanical Engineering Department.

Initially Utalii College programmes were at the Polytechnic.Planned programmes, physical facilities for the new home at the Kenya Utalii College in conjunction with Ministry of Tourism and Wildlife, Ministry of Public Works and Switzerland hotel experts.

This involved construction of physical facilities, installation of equipment in particular, catering facilities, cold room and air condition and refrigeration facilities.

5.0. **MEMBERSHIP OF PROFESSIONAL ORGANISATIONS RELATED TO TECHNICAL EDUCATION AND TRAINING**

- 5.1 Appointed member of Advisory Council British School of Commerce, which is a member of the London School of Commerce Group of Colleges on the 12th December 2011.
- 5.2 Appointed Member of the Steel Technical Committee of Kenya Bureau of Standards on the 07/08/2011.
- 5.3 Elected Member of the Training Committee of IEK. (13th July 2007)
- 5.4 National Industrial Training Council (created by the Industrial Training Act 1973) (1988 - 2002)

- 5.5 Boards of Governors of all National Polytechnics and Colleges (1988 - 2002).
- 5.6 Kenya National Examinations Council (KNEC ACT 1980) (1998 - 2002)
- 5.7 Kenya National Examinations Council SECURITY COMMITTEE (KNEC ACT 1980 (1988 - 2002).
- 5.8 Kenya Accountants & Secretarial National Examinations Board, (Accountancy Act 1979 (1988 – 2005)
- 5.9 Kenya College of Communications Technology (1988 - 2002)
- 5.10 Mbeji Academy (1986 - 1998)
- 5.11 The Second University (Moi University) Implementation Committee (1981 - 1983)
- 5.12 National Technical Education Programme Steering Committee (1982 - 1986)
- 5.13 Kenya Institute of Education Governing Council, Finance and General Purposes Committee & Tender Committee (1982 - 2002).
- 5.14 Ministry of Labour Civil Engineering, Building Construction and Kindred Trades Committee. (1979 - 1982)
- 5.15 Metrication Committee of the Kenya Bureau of Standards (1980 – 1984)
- 5.16 Kenya National Secondary Education Panel, Kenya Institute of Education (1980 - 1984).
- 5.17 Secretary, Inter-Ministerial Committee for the African Institute for Higher Technical Training & Research (1978 – 1980)
- 5.18 Basic Engineering, Technical and Industry Standards Committee of the Kenya Bureau of Standards (1978 - 80).
- 5.19 Kenya Institute of Education, National Advisory, Panel Sub-Committee formed to examine and improve Mechanical Engineering Part III (PROD) and Welding Fabrication Programmes (1977)
- 5.20 Technical Examinations Council, Sub Committee formed to examine the numbering systems of all Technical Papers and the requirements for the award of Full Technological Certificate (1978).
- 5.21 Member of the International Curriculum Advisory Committee for Mechanical Engineering within the framework of East African Examinations Council (1977- 1978)

- 5.22 Secretary to the Sub-Committee of the National Advisory Panel constituted to revise the Higher Diploma Regulations and Syllabii at the Kenya Institute of Education (1976)
- 5.23 Mechanical Engineering National Advisory Panel at the Kenya Institute of Education (1975).

6.0 PARTICIPATION IN SEMINARS /CONFERENCES AND EDUCATIONAL TOURS

- 6.1 Attended a National Seminar on Performance Contract at the Kenya School of Monitory Studies. (21st – 22nd March 2012)
- 6.2 Participated in IEK one day seminar on Professional Interviews Preparation PIP at Silver Springs Hotel, Nairobi (24th August 2012)
- 6.3 Attended the Institution of Engineers of Kenya Interviews Preparations, at Kenyatta International Conference Centre, Nairobi. (16th – 19th May 2012).
- 6.4 Represented the Association of Business Executive at a meeting with TEVETA to discuss the suitability of ABC (Association of Business Executive) programmes for accreditation by TEVETA Lusaka, Zambia (21st – 23rd August 2011).
- 6.5 Participated in organizing and attended, institution of Engineers of Kenya, Seminar on Project Management for Engineers Kenya College of Communication Technology. Mbagathi, Nairobi, 21st-23rd July 2008.
- 6.6 Visited the Commissioner of Business, Vocational and Technical Education, Ministry of Education and Sports, Kampala, Uganda, Kampala International University, Uganda Cotton Social Training Centre, Multitech Accounting programme to evaluate the ABE programme in Uganda.(July 2007)
- 6.7 Delivered a key note address during the City and Guilds best performance / awards presentation ceremony at Hilton Hotel Kenya 14th April 2006. The Guest of Honour was British High Commissioner to Kenya.
- 6.8 Attended the ABE Council meeting held at William House, Wimbledon. London UK 10th July 2006
- 6.9 Attended the ABE Exterminations Committee Meeting held at the Reform Club London 13th Dec 2006.
- 6.10 Attended ABE council meeting held at CI Towers New, Malden London UK (July 2006)

- 6.11 Attended “A National Industrial training Council Regional Seminar for Building, Construction Civil Engineering and Allied Industries” held at the Methodist Guest House, Nairobi 21st August 2002.
- 6.12 Attended a National Industrial Training Council Workshop, Mombasa Kenya 2nd - 5th May 2002.
- 6.13 10th - 13th December 2001 attended a UNESCO SUB-REGIONAL Workshop on the theme “Promotion and Reform of Technical and Vocational Education and Training in Africa” International Conference Centre Kampala.
- 6.14 Attended Inter Academies Panel Workshop on capacity Building for Academies in Africa, Trieste, Italy (16th 18th May 2001).
- 6.15 Attended the second International Congress on Technical and Vocational Education, Seoul Republic of Korea 26th - 30th April 1999.
- 6.16 Attended a meeting of Multi disciplinary experts to negotiate specific amendment proposals on the draft treaty for the establishment of the East African Community. Arusha International Conference Centre(AICC). Arusha Tanzania (March 25th - 27th 1998).
- 6.17 Attended the UNEVOC sponsored Eastern and Southern African Seminar on Definition of National Technical Training Policy; Beyond the Formal Sector Hotel Meridian, Nairobi (15th - 19th September 1997).
- 6.18 Visited Technical Training Institutions selected industries and relevant Government Ministries of the Federal Republic of Germany with special emphasis on appraising the German Dual System in Technical Training and determining its suitability for Kenya. (May 1997).
- 6.19 Attended a workshop for stakeholders supporting the Micro and Small Scale Enterprises at Kenyatta Conference Centre, Nairobi 10th - 12th June 1997.
- 6.20 Attended “Appraisal Workshop on the Taita/Taveta DANIDA funded Micro-Enterprise Development Programme” at the Methodist Guest House, Nairobi 10th - 11th February 1997.
- 6.21 Attended “Seminar on the future of European Union activities on the expiry of Lome Convention” Nairobi (6th - 7th February 1997).
- 6.22 Visited South Korea under the auspices of the South Korean funded

Vocational Training Centre Athi River Kenya. The objectives of the visit were to:

- i to scrutinize and update the list of equipment to be procured for the Athi River Vocational Training Centre. This is a post -Secondary Technical Training Institution situated in Kenya.
- ii Study and assess the Korean Technical Training System and facilities and determine their suitability for training the Kenyan Technical Teachers.

At the end of the mission, the equipment list was updated and suitability of the Korean system and facilities were established. Consequently 10 Kenyan Technical Teachers obtained training opportunities in Korea in the areas of General Mechanical Engineering, Automotive Engineering Welding and Fabrication, Electrical and Electronics Engineering (25th February - 1st March 1996).

- 6.23 Attended a workshop on the “Revision of the Board of Adult Education Act of 1963” 16th - 17th May 1996, Fairview Hotel, Nairobi.
- 6.24 Attended “African Regional Symposium for Policy Makers in Technical & Vocational Education” at the UNESCO Regional Office in Dakar, Senegal, (21st -24th August 1995).
- 6.25 Visited France and discussed with the French Government Authorities, after touring relevant Training Institutions, the professional aspects of establishing “France/Kenya Food and Post Harvest Technology Centre at the Kenya Polytechnic”
The Discussion centred on Curricula, Examinations, Certification and Human Resource Development (28th May - 2nd June 1995).
- 6.26 Visited the French Technical Training Institutions and Industries connected with Food and Post Harvest Technology with a view to establishing similar facilities in Kenya with the assistance of French Government (12th - 19th February 1994).
- 6.27 Attended a workshop on preparation of Draft Curriculum on Informatics in Secondary Schools, at Garden Hotel, Machakos, Kenya (16th - 19th October 1994).
- 6.28 Attended UNICEF sponsored Pre-Study Workshop on Comprehensive Education Sector Analysis at Fairview Hotel, Nairobi, (28th - 29th July 1994).
- 6.29 Attended a seminar on “Kenyan Public Universities in a changing World” at Egerton University,(7th - 8th January 1993).
- 6.30 Attended the Fourth Meeting of the Specialised Committee for Engineering Education in East Africa at Arusha Tanzania. This is a Committee of the

- Inter - University Council of East Africa (22nd - 23rd January 1992).
- 6.31 Attended East African Regional Ministerial meeting on Employment Promotion in the Informal Sector, Nile Hotel, Kampala Uganda (11th - 15th April 1994).
 - 6.32 Attended The AITEC 93, the East African Computer and Telecoms show at the Kenyatta International Conference Centre, (20th - 18th November 1993).
 - 6.33 Attended Regional Workshop and Consultation meeting on Technical/Vocational Education Gigiri Nairobi. The workshop/consultations meeting was sponsored by UNESCO (October 1993).
 - 6.34 Attended Regional seminar on Joint Approach to Promote Employment in the Informal Sector, (Jua Kali Sector). Outspan Hotel, Nyeri, Kenya (28th June - 2nd July 1993).
 - 6.35 Attended The National Seminar for Policy Makers and Administration to develop Motivation and Retention Strategies for Entrepreneurship Education and Small Business Centres Trainers, (Safariland Hotel, Naivasha. 1st - 3rd October 1992).
 - 6.36 Participated in the pre-evaluation exercise for the KEYTECH PROJECT in MERU KISII, BARINGO and Kakamega Districts of Kenya. 14th - 16th November 1991.
 - 6.37 Member of the Kenya Government Delegation at the 26th Session of UNESCO General Conference held in PARIS, FRANCE, (23rd October - 3rd November 1991).
 - 6.38 Attended Workshop for Education for ALL sponsored by UNICEF, UNESCO and the Government of Kenya, Green Hills Hotel Nyeri, Kenya. 16th - 21st September 1991.
 - 6.39 Attended the Inter-University Council of East Africa meeting of the Committee of Engineering Education in East Africa, Arusha Tanzania (19th - 22nd August 1991).
 - 6.40 Visited the University of Illinois Champaign, USA under the auspices of the ILO sponsored Entrepreneurship Education Project., visited various departments handling this subject and evaluated the programmes relevance to our system (12th - 27th March 1991).
 - 6.41 Attended the BAT/Kenya Government sponsored (Informal Sector) Jua Kali Exhibition in Mombasa (18th - 3rd November 1990).
 - 6.42 Member of the Kenya Government delegation at a follow up conference at the World Conference on Education for ALL, Geneva Switzerland. The theme of the conference was sustainability of literacy (1-13th September 1990).

- 6.43 Member of the Kenya Government delegation at the World Conference on Education for ALL in Jomtien, Thailand (1st - 11th March 1990).
- 6.44 Attended the 10th Conference of Commonwealth Education Ministers at the Kenyatta International Conference Centre, Nairobi (20th - 24th July 1987).
- 6.45 Attended the Education Administration Seminar at the Jomo Kenyatta College of Agriculture and Technology which was organised by the Kenya Education Staff Institute (May 1997).
- 6.46 Visited Japanese Ministry of Education Headquarters, the JICA Headquarters, the Universities/Colleges where the Jomo Kenyatta College of Agriculture and Technology Lectures on Staff Development Programmes were studying and the Japanese Industries where they were attached for Industrial practical training (14th - 30th November 1986).
- 6.47 Attended the Commonwealth Association of Polytechnics in Africa (CAPA) Board meeting in Blantyre, Malawi (22nd - 25th July 1986)
- 6.48 Visited the Republic of Southern Ireland at the invitation of HEDCO and carried out a survey on the suitability of the training facilities in their institutions in connection with staff Development for the European Union funded project at the Eldoret Polytechnic April 1985.
- 6.49 Represented the English speaking Africa at the International Conference on Technical Vocational Education in Vancouver Canada (4th - 18th October 1988).
- 6.50 Represented the English speaking Africa at the Preparatory meeting for International Conference on Technical/Vocational Education in Paris France (12th - 17th February 1985)
- 6.51 Visited the Kenya Mombasa Polytechnics Link programmes Institutions (Thames, Leeds, Bristol and New Castle UponTyne Polytechnics) and reviewed the programmes.
- Also visited West Glamorgan Institute of Higher Education, Wales and made recommendations for future collaborative programmes with our Institutes to the British Council (18th February - 2nd March 1985).
- 6.52 Participated in the Educational Strategies Workshop organised by the British Council and CAPA at Arusha , Tanzania (August 1984).
- 6.53 Visited several Zambian Technical Training Institutions (24th - 30th March 1984).

- 6.54 Attended the CAPA Finance and General Purposes Committee meeting in Arusha, Tanzania (14th - 15th March 1984).
- 6.55 Attended the Association of Canadian Community Colleges conference at New Foundland, Canada (2nd July - 13th July, 1983).
- 6.56 Participated in the Management Development Institute Workshop sponsored by the Commonwealth Association of Polytechnics in Africa in Co-operation with the Association of Canadian Community Colleges in Blantyre, Malawi (16th -22nd April, 1983). The theme of the workshop was Technical Education Management.

7.0 POLICY DEVELOPMENT

7.1 THE 8:4:4 SYSTEM OF EDUCATION

Responsible for Policy Formulation and Implementation strategies for the Technical Education Programmes component of the 8:4:4 SYSTEM OF EDUCATION

7.2 NATIONAL TRAINING STRATEGY

Responsible for development of National Training Strategy. The purpose of the strategy was to revise the way Government and other stakeholders support and co-ordinate the training sector in Kenya to ensure high quality training which meets the requirements of individuals and employers and which supports industrial transformation is delivered.

7.3 MASTER PLAN IN EDUCATION & TRAINING

Member of the Master Plan in Education and Training Task Force. The Task Force prepared a Work-plan for gearing Education & training system towards the needs of industrial transformation and the dynamic socio-economic needs of the country.

7.4 ENTREPRENEURSHIP EDUCATION

In response to Sessional Paper 1 of 1986 on “Economic Management for Renewed Growth” which gave special emphasis to self employment as a strategy for combating unemployment, Entrepreneurship Education Programmes have been introduced at all levels of Technical Training Programmes.

This was done under my supervision for a period of three years (1990 - 1993) through a project funded by UNDP and executed by ILO.

8.0 SEMINARS/WORKSHOPS VIP FUNCTIONS - CONFERENCES ORGANISED

- 8.1 Strategic Planning Seminar for Principals of National Polytechnics Kenya Technical Training College, Institutes of Technology and Technical Training Institutions, 2nd - 6th April 1997 Naivasha Kenya.
- 8.2 A Workshop on Management of Institutional Resources for Technical Training Institutions in Kenya, 8th - 9th July 1996 KEFRI, Kenya.
- 8.3 Visit of Her Majesty Queen Elizabeth II to Kenya Polytechnic 1983.
- 8.4 Inauguration of Eldoret Polytechnic by H.E The President of the Republic of Kenya. (25th September, 1990)
- 8.5 Graduation ceremonies for all Technical Training Institutions in the Country

9.0 CHAIRMANSHIP/OVERALL RESPONSIBILITIES

- 9.1 Chaired the meeting of Principals of all Colleges offering ABE programmes in Kenya. The key note address was delivered by Mr. Lyndon Jones the Founder Chairman of ABE Date July 2004.
- 9.2 Resource Person for UNESCO workshop on the establishment of the position of TVET Training of Trainers and preparing an Action Plan for their promotion. 15th -18th March 2003, Mauritius.
- 9.3 Organised the National Information and Communication Technology Policy Formulation Stakeholders Workshop, Nairobi, 18th November 2001.
- 9.4 Chairman Kabete Maintenance Unit Management Committee 25/4/2002.
- 9.5 Chairman National Industrial Attachment Scheme Committee 20/9/2002.
- 9.6 Chairman, Meeting of Education Committee of Experts of the East African Co-operation held at the Arusha International Conference Centre Arusha Tanzania 16th - 17th June 1998.
The purpose of the meeting of experts was to deliberate on the harmonisation of Curricular, Examinations and Certification of Education and Training. It was attended by Senior Officials from Institutions of member states charged with Curricular Development, Standards, Evaluation, Research and Institutions of Higher Learning Management.

- 9.7 Chairman, Government - Industry Information Technology Consultative Committee (1993 - 2002). The main objective of the Committee was to monitor the technological advancements within the industry and ensure that they are incorporated the IT Training Programmes within the National Technical Education Programmes.
- 9.8 Team Leader during the International Labour Organisation supported Entrepreneurship Education project mid-term evaluation exercise in Kenya (9th - 13th May 94).
- 9.9 Chairman, National Conference on Education for All (EFA) 27th - 3th July 1992, Imperial Hotel Kisumu.
- 9.10 Chairman, The Jomo Kenyatta Foundation sponsored symposium on the "Popularisation of Mathematics in Kenyan Education system", ICIPE, Duduville, Nairobi 28/5/92
- 9.11 Chairman, Ministerial Book Review and Vetting Committee (1992 - 2002)
- 9.12 Chairman, African Regional Planning Workshop on Advanced Technical Training in Repair and Maintenance of Scientific Instruments and Equipment in Africa, 24th - 25th November 1991, ICIPE Headquarters, Duduville Nairobi
- 9.13 Chairman, Entrepreneurship Education Project Task Force. (1990 - 1993).
- 9.14 Chairman, National Centre for Early Childhood Education and District Centre for Early Childhood Project (1986 - 1988).
- 9.15 Chairman, Kenya Institute of Education, Academic Board. Kenya Institute of Education is the body legally authorised to develop all Curricular for national educational programmes (1988- 2002).
- 9.16 Chairman, the Technical Sub Committee responsible for Planning the First National Information Technology Conference and Exhibition, at Kenyatta Centre, 29th November - 2nd December 1995, NAIROBI.
- 9.17 Head, UNEVOC Centre for Kenya, at Jogoo House "B" NAIROBI - (1994 - 2002.)
- 9.18 Chairman, Steering Committee of the Academic Board of Kenya Institute of Education. The Committee was responsible for approval of the framework for curricular for all National Technical Training Programmes. (1988 - 2002).
- 9.19 Led the Kenyan delegation to the 4th International Symposium on Technology-Education and Training Cape (Technikon), Cape Town (27th June - 1st July 1998)

- 9.20 Led the Kenyan delegation to the Commonwealth Association of Polytechnics in Africa sponsored colloquium, Bulawayo Polytechnic, Zimbabwe, (12th - 16th January 1996).
- 9.21 In charge, Nairobi International Agricultural Show Technical Education/Training stands (1988 - to 2002.)
- 9.22 In charge, Kenya Music Festivals - Technical Training Institutions (1988 - 2002).
- 9.23 Chairman, Kisumu National Polytechnic Management Council, June, 2015 to date.

10.0 CONSULTANCIES

- 10.1 Chairman, National Committee on Design of an appropriate Tractor for the Rural Agricultural Sector in Kenya (November, 2015 to date).
- 10.2 **Technical Education Consultant.** Design of new Technical Training Institutes Development of Bidding Documents for procuring Contractors and Supervisors of the Works. A ministry of Higher Education Science and Technology Project funded by the African Development Fund. (13/7/2010 – to date)
- 10.3 Offered a consultancy contract by **City and Guilds London Institute.** (26th April 2007- 31st July 2007) the terms of reference for the said consultancy were as follows
 - Familiarize self with Engineering Council (UK) products and the advantages of local professional Engineering Institutes of using the EC examinations for membership purpose.
 - Identify key players within Kenyan IEK and the ERB.
 - Make individual and joint contact and generally explore and lobby as to the possible use of EC examination by the IEK and ERB as membership qualification of IEK and for registration with ERB.
 - Liaise with the Nairobi city and Guilds office and with Keith Baker (HLQEC Consultant).
 - Arrange a meeting between the Nairobi City and Guilds Office and the key member of IEK/ERB to the purpose of revealing the EC examination services.
- 10.4 **Undertook a Preliminary UNESCO Mission to Mauritius on TVET, (24-28th 2003)**
The main objective of the mission was to advise the Mauritian Minister for Education and Scientific Research on matters pertaining to Curricula, Examinations and Certification.

I was the sole consultant.
- 10.5 **Evaluation of Technical and Vocational Education & training System in the Democratic Republic of Ethiopia, 1st- 30th June 2002.**

**10.6 Civil Service Reform Programme Task Force 1st March - 31st July 1995
- 31st JULY 1995**

Contracted as a member of the Inter Ministerial Task Force on “The Training Policy for Civil Service in Kenya” The Task force was created to review the current strategies and practices in training civil servants and make recommendations on the same to fit within the Civil Service Reform Programme.

The Task Force successfully completed its assignment and produced a report together with a workplan which was accepted by the Directorate of Personnel Management in the Office of the President.

10.7 THE ROLE OF TECHNICAL AND VOCATIONAL EDUCATION IN THE EDUCATION SYSTEM IN KENYA - 1ST OCTOBER - 31ST DECEMBER, 1994

This was a case study successfully carried out in Kenya involving the major stake holders in Technical and Vocational education such as Industry, both Private and Public Training Providers, Workers and Government. The study was sponsored by the UNESCO Regional Office in Dakar, Senegal.

10.8. TECHNICAL SUPPORT TO THE GOVERNMENT OF NAMIBIA - 2ND - 15TH JULY, 1992

- i Provide technical support to the Ministry of Education and Culture in preparation of a Legal, Management and Professional Framework for the Establishment of a National Polytechnic in Namibia .
- ii Advise the Minister for Education and Culture on ways and means of establishing Formal and Informal Skills/Appropriate Technology Training Institutions.
- iii Provide technical support to the Community Development Department and the Windhoek Municipality in the establishment of alternative income generating opportunities for Urban Women with specific emphasis on the following:
 - a. Advise the informal (MLGH) officials Ministry of Local Government and Housing Community Based Development on possible amendments to existing legislation to accommodate small scale informal income generating activities in (CBD).
 - b. Provide advise on informal skills training opportunities for small scale business activities by women in Urban Centres.

The Consultancy was very successful and I received a formal commendation from NICEF and the Government of Namibia who were the sponsors of the study.

- 10.9 **A case study sponsored by UNESCO entitled “Promotion and Improving Cooperation between Institutions of Technical and Vocational Education and Industries and other Potential users of their students”. 1st April - 30th June 1992”**

This study was successfully carried out in Kenya using questionnaires, Seminar, Visits and Interviews.

- 10.10 **“Directory of Technical Training Institutions in the English speaking Africa”**. This exercise was sponsored by UNESCO in 1983.

- 10.11 **Compiled data on African Post Secondary Technical Training Institutions for East African Publishing House(1983)**. The data included Technical Programmes, Entry Requirements, Duration of Courses, Modes of delivery and Certification.

11.0 PUBLICATIONS

- 11.1 “The Limiting Conditions for the Formation of Air Entraining Vortices”
British Hydro-Mechanics Research Association, 1973.

- 11.2 “Changing the structure of Motor Vehicle Technician Part II Examination Papers”, EAST AFRICAN EXAMINATIONS COUNCIL (1976)

- 11.3 “Towards opening another route to the Bachelors Degree in Mechanical Engineering in Kenya” KENYA POLYTECHNIC/ INDUSTRY SYMPOSIUM, 1976.

- 11.4 “Management Training in Engineering Education” UNECA seminar for Engineering, Management and Accounting Teachers held at the Kenya Polytechnic (1978).

“A review of major cavitation studies in bearings” Kenya Engineer, September, 1978.

- 11.6 “The Kenya Polytechnic Position Paper for hosting the African Institute for Higher Technical Training and Research” (1978).

- 11.7 “Problems of standardization in Production Management” (seminar on Standardization and technology held at the Mombasa Oceanic Hotel (18th - 27th June 1980).

- 11.8 Compiled data on African Technical Post Secondary Institutions for East African Publishing House. (EAPH). (1983).

- 11.9 Reviewed the EAPH publication, “Technical Education in Africa” by J.S. McNown (1983).

- 11.10 Published a directory of Technical Institutions in the English speaking Africa for UNESCO (1983)

- 11.11 “The Development of Technical Education in Kenya”. The Kenya Secondary School Heads Association Annual Conference, Bandari College, Mombasa 1987.
- 11.12 “An overview of Technical Education/Training in Kenya” Harmonisation, Rationalisation of Curricula, Examinations and Certification in Technical and Vocational Training, Seminar, Mombasa Beach Hotel, 21st - 25th November 1988. The Seminar was sponsored by the National Industrial Training Council
- 11.13 “Technical and Vocational Training in Kenya” A World Bank sponsored National Policy Conference on the Implementation of the Sessional Paper No. 6 of 1988 at Hotel Inter-Continental, Mombasa 19th - 27th March, 1989.
- 11.14 “Linkages between Education and Employment - Jua Kali (Informal Sector) Development Programme”. Eastern and Southern Regional Consultation on Education for All, (21st - 24th November, 1989).
- 11.15 “Science and Technology at Tertiary level,”
National Seminar on the teaching of science in Educational System, Kenyatta International Conference Centre, 16th - 19th July, 1990. This was sponsored by the Commission for Higher Education.
- 11.16 “Women in Technical Education - the Kenyan case”.
International Conference on Women in Technical Education by Commonwealth Association of Polytechnics in Africa (CAPA, Mombasa Beach Hotel, 24th - 28th September, 1990.
- 11.17 “Developing the (Jua Kali Sector) Informal Sector”.
Kenya Engineer March/April 1991.
- 11.18 “Out of Schools Skills Training”. The paper was presented at the National Workshop on Education for All, Green Hills, Nyeri, 16th - 20th September 1991
- 11.19 Delivered a Keynote speech during the seminar on “Promoting and Improving co-operation between Institutions of Technical and Vocation Education and Industries and other Potential users of their students,” Kenya Institute of Education Nairobi 27th May 1992.
- 11.20 A Kenyan case study sponsored by UNESCO entitled “Promotion and Improving Co-operation between Institutions of Technical & Vocational, Education and other potential users of their students.” (June 1992)

- 11.21 “Preparation of a Framework for the Establishment of a National Polytechnic in the Republic of Namibia. This was a Namibian Ministry of Education and Culture and UNICEF sponsored Study 2nd - 15th July 1992
- 11.22 “The Development of Technical and Vocational Training Programmes in Kenya”. This was a keynote address delivered at the National Industrial Training Council/Ministry of Technical Training and Applied Technology, second seminar on Harmonisation and Rationalisation of Curricula, Examinations and Certification in Technical and Vocational Training 13th - 15th October 1992, Whitesands Hotel, Mombasa.
- 11.23 “The Current Status of Computer Education/Training in Kenya”
The paper was presented at the Kenya/Austria Computer Training Seminar on the 7th October, 1993, Inter-continental Hotel, Nairobi, Kenya.
- 11.24 Co-Authored the draft Informatics Policy - document for Kenya , September, 1993.
- 11.25 “Financing of Technical Training in Kenya; the Present situation and Future Expectations”. The paper was presented at the National Polytechnics Joint Heads of Department Seminar at the Mombasa Polytechnic, 24th November, 1993.
- 11.26 “The Functional Relationship between the Ministries of Education and Research Technical Training and Technology”.
The paper was presented at the 8th World Bank Education credit workshop at Whitesands Hotel, Mombasa, Kenya. 29th Nov. 1993
- 11.27 “Existing Sectoral / Institutional Science and Technology Information Networks”. A seminar on National Networking of Science and Technology sponsored by the National Council for Science and Technology 27th Jan 1994
- 11.28 “Information Technology Policy on Education - Way Forward UNESCO” sponsored workshop on preparation of a Draft Curriculum on Informatics in Secondary Schools at Garden Hotel, Machakos, Kenya. April 1994.
- 11.29 “Financing Small Enterprise Development Projects in Kenya”
- National Engineers Seminar on Engineering for Self - Reliance at Kenyatta International Conference Centre, Nairobi, Kenya - 24th March, 1994.
- 11.30 A case study entitled, “The role of Technical and Vocational Education in the Educational system in Kenya”. The study was sponsored by the UNESCO Regional Office in Dakar, Senegal, December, 1994.

- 11.31 “Policy challenges in Harnessing Computer Communication Application by Academia, Private Sector and Government” National Committee on Computer Training Seminar, Hotel Inter-Continental - Nairobi, 28th July, 1995.
- 11.32 “Industrial Attachment in Kenya’, 12th September, 1995. National Industrial Training Council sponsored seminar at Sarova Shaba Hotel, Isiolo, Kenya.
- 11.33 The Polytechnics in Africa in the 1990’s and Beyond - the Kenyan case” A paper presented at the Commonwealth Association of Polytechnics in Africa sponsored Colloquium, Bulawayo Polytechnic, Zimbabwe, 6th - 12th January 1996.
- 11.34 “The Challenges in Financing and Management of Vocational Education and Training Programmes - the Kenyan case.” A paper presented at the UNESCO Sponsored Sub Regional Workshop on the Financing and Management of Vocational Education and Training in Eastern & Southern Africa, QUATRE BORNES, Mauritius 18th - 21st March 1996.
- 11.35 “Training for Informal Sector “(QUARTE BORNES, MAURITIUS 18 - 21 March 1996). UNESCO Sponsored seminar.
- 11.36 The Role of Technical Training Institutions in the national preparations for industrialisation by the year 2020” A paper presented at the World Bank Sponsored Seminar, held at the Sarova Shaba Hotel, Kenya, 6th - 12th January 1997.
- 11.37 “Kenya’s Technical Training Policy Beyond the Formal Sector” A paper presented at the UNEVOC sponsored Sub Regional Workshop on the definition of Technical Training Policy beyond the Formal Sector in Eastern and Southern Africa, Nairobi 15th - 19th September 1997.
- 11.38 Training of Engineering Technicians its impact on sustainability of infrastructure” Institutions of Engineers of Kenya and Engineers Registration Board, Engineers Seminar, 21st April 1998.. Kenyatta International Conference Centre, Nairobi.
- 11.39 “Harmonisation of Technical Education and Training Programmes in the East African Region.” Presented during a meeting of Education Committee of Experts, Arusha, Tanzania 16th - 17th June 1998.
- 11.40 “Impact of Tertiary Training process in preparation for the Jua Kali (Informal) Sector,” Nyanza Provincial Jua Kali symposium, Tom Mboya Labour College, 23rd August, 1996 Kisumu.

- 11.41 “Strategies for Relevant Training for Enhancement of quality production in Nyanza Province”.
- 1996 Nyanza Province Jua Kali (Informal Sector) Exhibition, Tom Mboya Labour College, Kisumu 5th - 6th November 1996.
- 11.42 “ The challenges of Technical Training Institutions in preparation for Industrialisation by the year 2020” Mombasa Beach Hotel (20th May 1998).
- 11.43 An Overview of Training Needs in modern times in the Building, Construction, Civil Engineering and Allied Industries (BCCEAI) on the Job Training, Part time Training and Full Time Training - Advantages and Disadvantages- A National Industrial Training Council Regional Seminar for Building Construction Council Engineering and Allied Industries, Nairobi, 21/8/2002
- 11.44 The challenges in the Provision of Technical Training Programmes” The National Industrial Training Council Workshop Mombasa 1st - 5th May 2002.
- 11.45 Promotion of Technical and Vocational Education and Training in Kenya” A UNESCO Sub Regional Workshop on the theme “Promotion and Reform of Technical and Vocational Education & Training in Africa, Kampala Uganda 10th - 13th December, 2001.
- 11.46 An Evaluation of the Technical and Vocational Education and Training System of the Democratic Republic of Ethiopia.
A UNESCO Consultancy Report (1st - 30th June 2002)
- 11.47 Represented the Association of Business Executives at the Common wealth Association of Polytechnics in Africa (CAPA). Presented a paper entitled, “The role of international qualifications in enhancing global employability” (10th October 2007 Kampala, Uganda).
- 11.48 Presented a paper entitled “Impact Driven School Management, Planning and Administration” at a World Based School Management for Education Administrators held at Supreme management Training and consultancy Services Ltd Headquarters, Ibadan, Nigeria. (12th – 16th September 2011).
- 11.49 Paragoni Enterprises Seminar – The role of Science and Technology in National Development; the Kenyan Case Study, Panafric Hotel, Nairobi(2013).
- 11.50 Introduction to small scale Wind Power Turbine – Design, Analysis and Economic Impacts – Momentum Press (2014).

12.0 COMMENDATIONS / AWARDS

- 12.1 Letter of commendation from the Permanent Secretary/Head of Public Service and Secretary to the Cabinet Representative of Kenya for very successfully organising the official opening of Eldoret Polytechnic by H.E the President on 25th September 1990
- 12.2 Letter of commendation from Her Majesty, Queen Elizabeth II for successfully organising Her visit to Kenya Polytechnic 1983.
- 12.3 Wining First Prizes for Higher Education SWS at the Nairobi International Shows 1988, 1989,1990, 1996.
- 12. 4 Winning 1st Prizes for Kenya Music Festival.
- 12. 5 Letter of commendation from Permanent Secretary - Ministry of Research, Technical Training and Technology for exemplary performance duty. (June 1997).
- 12.6 Letter of Commendation from the Permanent Secretary Ministry of Education, Science and Technology for exemplary Planning and Organisation of the ADEA/Commonwealth Secretariat Working Group on Teacher Management and Support Services - Africa Review Meeting 26th - 31st August 2001.

13.0 PROFESSIONAL ORGANISATIONS

- 13.1 Member of the Institutions of Mechanical Engineers (Britain) (MIME)
- 13.2 Member of Institutions of Engineers of Kenya (MIEK)
- 13.3 Member, City and Guilds Institute of London (The 1st East African to receive the award)
- 13.4 December 2002, Fellow of the Association of Business Executives (FABE)

14.0 EXTRA CURRICULA ACTIVITIES

- 14.1 Chairman Uholo Welfare Society (1983 - 1993)
- 14.2 Chairman, Nyasanda Primary School Committee (1980 - to present)

15.0 LANGUAGES

Fluent in both spoken and written English and Kiswahili

16.0 PERSONAL DATA

DATE OF BIRTH	- 1 ST August 1945
PLACE OF BIRTH	- SIAYA DISTRICT, KENYA
SEX	- MALE
MARITAL STATUS	- MARRIED
NATIONALITY	- KENYAN
ADDRESS	- P. O. BOX 50422, NAIROBI