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MILDRED M. AMBANI

PERSONAL DETAILS	
	<p>Dedicated, ambitious, self-starter, team-player, outgoing, capable of working under pressure, smart-communicator as well good at interpersonal skills, ready to face challenges and develop proactive solutions.</p> <p>Date of Birth : 1975</p> <p>Nationality : Kenyan</p> <p>Sex : Female</p> <p>Marital Status : Married</p> <p>Religion : Christian</p> <p>Hobbies : Reading, Mapping, participating in community activities, traveling</p>
CAREER OBJECTIVES	
	<p>To become an expert, to be able to handle challenging overall problems in GIS, Geomatic solutions and Urban & Regional Planning</p>
EDUCATION	
2015 –2017	UNIVERSITY OF NAIROBI: Master of Science Degree in Geographic Information Systems (GIS)
SEPT –DEC 2014	IHS-ERASMUS UNIVERSITY ROTTERDAM, NETHERLANDS- Post Graduate Diploma in Urban Management and Development Theory (UMDT)
2009 - 2013	UNIVERSITY OF NAIROBI: Degree in Urban & Regional Planning (Second Class Honors- Upper Division)
1995 – 1997	THE KENYA POLYTECHNIC: Diploma in Cartography (Credit Pass) AWARD: Best Cartography Student – 1997
1989 – 1992	BUNYORE GIRLS HIGH SCHOOL Attained : Kenya Certificate of Secondary Education (KCSE) Mean Grade C+ (72 Points) Responsibility: House Captain

KEY SKILLS	
May 2011	<p>ESRI EASTERN AFRICA</p> <p>SEMINAR: Mobile GIS Solutions for Utilities</p>
March 2010	<p>UNIVERSITY OF NAIROBI</p> <p>TRAINING: Web GIS and Mapping</p> <p>AWARD: Training Certificate</p>
Feb – April 2005	<p>UNIVERSITY OF NAIROBI</p> <p>COURSE STUDIED : Introduction to Geographic Information Systems (GIS)</p> <p>AWARD: Certificate of Achievement</p>
Jan – Feb 2001	<p>DVP Geomatic Systems</p> <p>COURSE STUDIED: Operation of a Digital Video Plotting photogrammetric stereo station</p> <p>AWARD: Certificate</p> <p>COMPUTER LITERACY</p> <ul style="list-style-type: none"> - AutoCAD - ArcGIS, QGIS, IDRISI Kilimanjaro, - DVP – Digital Video Plotting - GIS Programming, Web GIS - MS Office (Word, Excel, Access, PowerPoint), SPSS, Sketch up
WORK EXPERIENCE	
2007 to Date	<p>UNIVERSITY OF NAIROBI – Department of Urban & Regional Planning</p> <p>Designation: Senior Technologist</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> - Working with lecturers/studio masters in their various planning studios, workshops, computer labs and during fieldwork research - Participating in departmental research and other duties - Training the students in AutoCAD, ArcGIS and Computer Skills - Assisting in module II coordination in the department - ISO 9001 champion for the department

<p>March 2017 to Date</p>	<p>Major Consultancies</p> <p>Company: Silverwind Consultants & IPE Global</p> <p>Project: Kenya Informal Settlements Improvement Programme (KISIP)</p> <p>Review of land tenure regularization Policy Guidelines using a selected informal settlements in five (5) major counties in Kenya namely Nairobi, Mombasa, Nakuru, Kisumu and Uasin Gishu</p> <p>Designation: GIS Expert/Cartographer/ Planner</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> - Carried out stakeholder meetings with relevant communities, Government/County Officers, NGOs, Civil Society Organizations (CSOs) and private practitioners to get their views on Informal Settlements Land Tenure Regularization. - Picked coordinates of boundary extents and services provision to formulate databases for selected informal settlements in the five counties. - Digitization of satellite images to produce location maps and specific informal settlements facilities maps - Analysis of the digitized satellite images and the maps to identify the layouts of the informal settlements and their development trends; mapped out land use activities; the existing residential areas, housing structures, existing infrastructure and social facilities, economic activities, environmental and natural features supporting land tenure regularization policy guidelines formulation.
<p>December 2016</p>	<p>Company: Centre for Urban Research and Innovations (CURI)</p> <p>Project: Continuous Profession Development (CPD) Training for County managers, Planners and Urban Professionals in GIS</p> <p>Responsibility: GIS capacity building across counties in Kenya. Coordinated the capacity building training to support County governments for data collection and decision making.</p>

<p>2016</p>	<p>Company: Rift Valley Institute (RVI)</p> <p>Project: Somaliland National Land Policy Scoping Study</p> <p>Responsibility: Mapping the patterns and extent of land use and land cover in Somaliland as well as determining the magnitude of changes between the years of interest, 1986, 1995, 2000, 2009 and 2015 respectively. This was accomplished through use of IDRISI Kilimanjaro and ArcGIS Software</p>
<p>July 2015- Date</p>	<p>Company: Global Geosystems Ltd</p> <p>Projects: Preparation of subdivision plans using AutoCAD and GIS for the following Sites: L.R. No. 26699/22- Mavoko, Machakos; L.R. No. 10426/81 – Mavoko Municipality, Machakos - Stoniathi (National Housing Corporation); L.R. No. 27054 – Kisumu Municipality-Kanyakwar (National Housing Corporation); L.R. No. 12242/3 – Nairobi – Muthaiga; L.R. No. 2426 – East of Rumuruti Township, Laikipia; and Proposed Amalgamation plan of LR 10079/11, 10079/16 and subplot A-Juja, Kiambu</p> <p>Designation: GIS Expert/Cartographer/Planner</p> <p>Responsibilities: Site visits to the respective sites to collect field data using a handheld GPS (Etrex Garmin), downloaded SRTM images from earth explorer, converted to appropriate surfaces and created contours using ArcGIS and overlaid on the AutoCAD subdivision/Amalgamation plans</p>
<p>April 2015- July 2015</p>	<p>Company: Seureca East Africa Ltd</p> <p>Project: Preparation of Feasibility Studies, Plans, Final Designs and Bidding Documents for the Integrated Solid Waste Management and Investment with Nairobi Metropolitan Region – Urban Planning Component</p> <p>Designation: Assistant Planner/GIS Expert/Cartographer</p> <p>Responsibilities: Collected field data using a handheld GPS (Etrex Garmin), participated in stakeholder meetings, and prepared maps for various proposed landfill sites within Nairobi Metropolitan using AutoCAD and ArcGIS</p>

<p>Jan 2014- April 2014</p>	<p>Company: Plans Global</p> <p>Project: Master Plan for Kilungu Sub-County Hospital</p> <p>Designation: Assistant Planner/GIS Expert/Cartographer</p> <p>Responsibilities: Collected field data using a handheld GPS (Etrex Garmin), prepared report and maps for Kilungu Sub-County Hospital Master Plan using AutoCAD and ArcGIS 10.</p>
<p>2013- March 2014</p>	<p>Company: Silverwind Consultants & IPE Global</p> <p>Project: Kenya Informal Settlements Improvement Programme (KISIP)</p> <p>Preparation of land use maps for housing estates for four (4) major municipalities in Kenya namely Nairobi, Mombasa, Nakuru and Kisumu</p> <p>Designation: GIS Expert/Cartographer/ Planner</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> - Digitization of satellite images to produce relevant maps - Analysis of the digitized satellite images and the maps to identify the layout of the municipalities and their development trends; map out land use activities; classify and quantify the existing residential areas, housing structures, existing infrastructure and social facilities, economic activities, environmental and natural features supporting or constraining housing development in the municipalities.
<p>2013</p>	<p>Company: Silverwind Consultants & IPE Global</p> <p>Project: Kenya Informal Settlements Improvement Programme (KISIP)</p> <ul style="list-style-type: none"> • Preparation of Land Use Maps for informal settlements in Fifteen (15) municipalities in Kenya (Nairobi, Mombasa, Kisumu, Nakuru, Eldoret, Embu, Garissa, Kakamega, Kericho, Kitui, Machakos, Malindi, Naivasha, Nyeri and Thika), for a situational analysis of the respective municipalities <p>Designation: GIS Expert/Cartographer/Planner</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> - Digitization of satellite images to produce relevant maps for the informal settlements in the fifteen municipalities; - Map out land use activities within the settlements - Analysis of the digitized satellite images and the maps to identify, classify and quantify the existing informal settlements, their housing

	<p>structures, existing infrastructure and social facilities, economic activities within the settlements, environmental and natural features supporting or constraining housing development in the settlements, and identify spatial challenges and constraints facing the settlements.</p>
2012	<p>Company: International Project Planning & Management Consultants Ltd (IPPM)</p> <p>Project: Integrated Strategic Urban Development Plan for Lodwar Town 2011-2030</p> <p>Designation: GIS Expert/Cartographer</p> <p>Responsibilities: Prepared existing land use maps, alternative growth models and a 3D model for the future Lodwar Town.</p>
2012	<p>Company: Agfor Technical Services (on behalf of ICRAF)</p> <p>Project: Forest Mapping and Assessment for Five Ecosystem Landscapes in Kenya</p> <p>Designation: GIS Expert</p> <p>Responsibilities: Collected relevant data from various institutions and prepared maps for the Five Ecosystem Landscapes using ArcGIS 9.3 and ERDAS.</p>
2012	<p>Company: Losai Management Ltd</p> <p>Project: Dandora/Ruai EAI/RAP Project</p> <p>Designation: GIS Expert/Cartographer</p> <p>Responsibilities: Contacted a field survey to pick boundary data for Dandora dumpsite and Ruai using a hand held GPS (Etrex Garmin) and prepared location and land use maps of the same.</p>
2011	<p>Company: Plans Global</p> <p>Project: Master Plan for Mbooni District Hospital</p> <p>Designation: GIS Expert/Cartographer</p> <p>Responsibilities: Collected field data using a handheld GPS (Etrex Garmin) and prepared maps for Mbooni District Hospital Master Plan using AutoCAD and ArcGIS 9.3.</p>

<p>2011-2012</p>	<p>Company: Dept of Urban & Regional Planning/Prof. Ndegwa Project: Kiharu Constituency Strategic Plan Designation: GIS Expert/Cartographer Responsibilities:</p> <ul style="list-style-type: none"> - Prepared maps for Kiharu Constituency Strategic Development Plan (2010-2030) using ArcGIS 9.3 - Participated in presentation of the strategic plan to the stakeholders
<p>2009</p>	<p>Company: Digma Consultants Project: Kenya Census 2009 Enumeration Area Maps Designation: The Project Manager Responsibilities: Training and overseeing of production of Census Enumeration Area Maps (2009 Census) for 11 districts for Kenya National Bureau of Statistics (KNBS). This involved digitizing, database creation and composing maps for sub-locations. It entailed the following;</p> <ul style="list-style-type: none"> - Digitization of administrative boundaries from the district level to the village level - Digitization and marking extent of the enumeration areas - Digitization of all natural features existing in either form including rivers and their tributaries - Digitization of all the facilities existing including: Roads, Tracks and Footpaths; Market centres; Schools & Institutions; Churches - Merging of the township maps with the rural maps - Map composition - Building capacity in GIS and Map production for 10 personnel
<p>Oct 1999–2006</p>	<p>HIGHLAND SURVEYORS LTD Designation: Cartographer/Geomatic Assistant Responsibilities:</p> <ul style="list-style-type: none"> - Digital mapping of Road works using AutoCAD Land Development Desktop for engineering works. - Scanning, hence preparing digital photogrammetric maps using Digital Video Plotter (DVP), Microstation and ArcView. - Drawing cadastral plans, deed plans, topocadastral plans and sub

divisional plans using AutoCAD.

- Editing and map production using Microstation
- Organization and monitoring of office functions to ensure records and maps and drawings are filed and printed with a bias to confidentiality.

Major Projects

- Digital mapping of City of Nairobi (JICA)
- Spatial data framework for Nairobi City (Water & Sewerage)
- Mapping of Yaya Centre using AutoCAD and ArcGIS
- Kenya Pipeline Company – Scanning of photos then mapping using DVP and editing and map production in microstation. Performed field editing and screen editing.
- East Africa Tanning and Extract Co. – prepared plans for the mapping of 35,000 acres in AutoCAD
- Drawing and editing cadastral maps for parastatals like Telkom Kenya, Postal Corporations, National Cereals and Produce Board, KUSCO-Eldoret and Telposta Pension Scheme.

RAIPLYWOODS (K) LIMITED

Designation: Draughtsman

Responsibilities:

- Drawing plans using AutoCAD for the Technical Department, Mechanical Engineering Department, Electrical Engineering Department and Civil Engineering Department
- Mapped various Forestry Areas for the company in AutoCAD

**July 1998
– Oct 1999**

REFEREES

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