

## CULICULUM VITAE de BINYEBEBE MAURICE, MTech. Agrill.Engg (SWCE)

### IDENTIFICATION

1. **Nom:** BINYEBEBE
2. **Prnom:** Maurice
3. **Date of birth:** 25/08/1981
4. **Marital status:** Married to Ingabire Providence and Have Three Kids
5. **Tele Phone:** +250788376229
6. **Email:** musemaure@gmail.com
7. **Nationality:** Rwandese
8. **Profession:** Water & Irrigation Engineer
9. **Education:** Having Masters of Technology in soil and water conservation Eng,  
PhD Student for Civil and management at DPHU



Institution [ Date from - Date to ]	Degree(s) or Diploma(s) obtained:
From 2019-	PhD Student in Civil and management in Distant Production housing University- USA
January 2010 – Jan 2012	Masters of Technology (M.Tech. Agrill – Engineering) in soil and water conservation Engineering
March 2007 – March 2009	Bachelor of environmental and rural Engineering - Option of water resources management
Jan 2004 – Dec 2006	Advanced diploma (Ingenieur technicien A1) Rural Engineering

10. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
French	1	1	1
Kinyarwanda	1	1	1
Swahili	5	5	5

11. **Area of interest:** Hydraulic infrastructure management & maintenance, Surface and pressure irrigation design and hydraulic, infrastructure development

### 12. Publications

Papers	Journal
WATER BALANCE ANALYSIS IN MAKERA MARSHLAND, MUHANGA DISTRICT - RWANDA	World Journal of Engineering Research and Technology WJERT; ISSN 2454-695X wjert, 2019, Vol. 5, Issue 2, 405 -424
ASSESSMENT OF WETTING PATTERN AND MOISTURE DISTRIBUTION UNDER POINT SOURCE DRIP IRRIGATION IN NYAGATARE - RWANDA	<a href="https://www.semanticscholar.org/paper/ASSESSMENT-OF-WETTING-PATTERN-AND-MOISTURE-UNDER-IN-Maurice-Emile/100c6e5bee743774f8fc51e4d203dfa8c8ad3c58">https://www.semanticscholar.org/paper/ASSESSMENT-OF-WETTING-PATTERN-AND-MOISTURE-UNDER-IN-Maurice-Emile/100c6e5bee743774f8fc51e4d203dfa8c8ad3c58</a>
<b>AEC 217 35</b> Production of roof tiles manufactured from recycled plastics and sand.	Africa Engineering Conference with UNESCO-Africa Engineering Week, Kigali Convention Center-Rwanda 25 <sup>th</sup> – 29 <sup>th</sup> September 2017

13. **Other skills:**
  - i. *AutoCad Civil 3D and COVADIS*
  - ii. *Irricadd*
  - iii. *GIS skills, Remotes sensing, Q-GIS etc.*
  - iv. *Grant project management Software, SAP and Others*
14. **Present position:** Senior Water Project Lead Engineer
  
15. **Years Worked in the Field:** 13 years for design and Implementation of water resources (irrigation, Hydrology and Drainage Project)
  
16. **Key qualifications:**
  - i. **Water resources and development projects:** including training and extension, participatory approaches to project cycle management and farmer participatory research overseas.
  - ii. **Planning and conduct of formal and non-formal training programmes** including: training of trainers and extension workers; communication/facilitation skills; participatory rural appraisal; gender and development; project investment;
  - iii. **Consultancy experience in:** Having completed different project in Rwanda, Burundi and India. The projects involved in designing and construction of irrigation system and water supply, Road, soil conservation structures, renewable energy (Biogas, solar power energy), land husbandry and Agro forestry.
17. **Country worked:** Rwanda, India and Burundi

18. Professional technical experience

Date from - Date to	Location	Company	Position	Duties and responsibilities
February 2012 - up to date	Kigali, Rwanda	University of Rwanda, College of Science and Technology	Lecturer in the department of civil environmental and Geomatics engineering	<ul style="list-style-type: none"> <li>▪ Lecturer of irrigation and drainage Engineering</li> <li>▪ Lecturer of Hydrographic Survey</li> <li>▪ Lecturer of Ground water hydraulics</li> <li>▪ Coordinator of Undergraduate curriculum development for department of Civil environmental and geomatics engineering</li> </ul>
September, 2017 up to date	Kigali, Rwanda	Netafim_ISLAEL Global	Resident Engineer for Gabiro Irrigation project (16000ha)	<ul style="list-style-type: none"> <li>- Backwater supply canal design and construction supervision (23km concrete canal with 8m top width)</li> <li>- Irrigation design and Planning</li> <li>- Terrain Modelling and analysis for irrigation Project</li> <li>- Water resources analysis and development</li> <li>- Hydraulic Analysis for intake and Canal design</li> <li>- Pipe design</li> </ul>
March to May, 2019	Kigali, Rwanda	TECOS Ltd Rwanda	Team Leader for feasibility study of Bugesera tannery Park	<ul style="list-style-type: none"> <li>- Tannery design and Market Assessment for Leather product in Rwanda</li> <li>- Implementation model of Bugesera Tannery park</li> <li>- Engineering and Architectural Design of the BTP</li> <li>- Water supply and distribution system</li> <li>- Common Effluent Treatment plant Design</li> <li>- Electrical and plumbing design</li> <li>- Financial and Economic analysis of the Project</li> </ul>
June, 2018 - To date	Kigali, Rwanda	<b>RUCENGG</b> (Kamiranzovu & Rwamushumba (46ha), Nkungu (35ha), Kamegeri irrigation Project (50ha), Makera Irrigation Project (70ha), Ruboroga (140ha) and Musizi (67ha))	Lead Engineer	<p>The contracts signed with: WFP (world Food Program), Good neighbors international and Rwanda agricultural Board)</p> <ul style="list-style-type: none"> <li>- Irrigation design and Planning Both Gravity and Pressure irrigation</li> <li>- Irrigation project management (Marshland, SSIT and Hillside)</li> <li>- Terrain Modelling and analysis for irrigation Project</li> <li>- Irrigation project construction supervision</li> <li>- Water resources analysis and development</li> <li>- Hydraulic and Engineering Design</li> </ul>
October, 2015 -	Kigali	- IFC - World bank	Irrigation	Selection of irrigation sites

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Date from - Date to	Location	Company	Position	Duties and responsibilities
to June, 2018 (33months)	Rwanda		specialist (STC)	Development of low cost irrigation model Selection of irrigation methods Design of irrigation Irrigation implementation Irrigation operation and Maintenance etc. Develop an irrigation business model in Rwanda
September, 2014 - March 2015	Nyagatare - Rwanda	BICHE - TUNISIA and MINAGRI	Team leader (head of supervision mission)	Head of Supervision mission at Kagitumba irrigation of 500ha by center pivot: Project of 4,792,500,000Frw or 7152,985\$: The main activities were: <ul style="list-style-type: none"> <li>▪ Construction of feeding road in the irrigation scheme</li> <li>▪ Construction of intake (river diversion head works)</li> <li>▪ Water storage (Booster tank) construction</li> <li>▪ Construction of irrigation layout system</li> <li>▪ Hydraulic test</li> <li>▪ Pumping station construction</li> <li>▪ Energy distribution model proposal</li> <li>▪ Expropriation of the population leaving in irrigation scheme</li> </ul>
March , 2014 - July, 2014	Buyongwe - Burundi	Prof. Charles Karemangingo for The contract signed with NBI - NELSAP	Rural infrastructure senior project Engineer	<ul style="list-style-type: none"> <li>▪ Development of catchment management plan for Buyongwe sub-catchment, Burundi (The project covered 35079ha). The project came up with irrigation proposal, environmental energy (Solar energy and other renewable energy), electricity availability and land husbandry.</li> </ul>
September , 2013- February, 2014	Akanyaru sub catchment - Rwanda	Prof. Charles Karemangingo for The contract signed with NBI -	Rural infrastructure senior project Engineer	<ul style="list-style-type: none"> <li>▪ Development of catchment management plan of Akanyaru sub-catchment, Nyaruguru- Rwanda. The project came up with irrigation proposal, environmental energy (Solar energy and other renewable energy), electricity availability and land husbandry (The project covered 87500ha).</li> </ul>
January, 2013 - August, 2013	Kigali - Rwanda for Nyamukana, Giseke and Bakokwe Projects	CES Consulting Engineers Salzgitter GmbH under contract of LWH - MINAGRI	Irrigation Engineer	<ul style="list-style-type: none"> <li>▪ Command area determination and watershed management</li> <li>▪ Design of feeder road in the schemes</li> <li>▪ Development of land husbandry physical measures</li> <li>▪ Propose the infrastructures to be install in watershed</li> <li>▪ Design of irrigation structures (Canal, pipe and siphons etc.)</li> <li>▪ Irrigation water requirement determination</li> <li>▪ Irrigation schedule, depth of irrigation and irrigation pattern For Nyamukana 700ha, Giseke (2500ha) and Bakokwe (300ha) projects</li> </ul>
February 2012	Kigali/	Rutonde	Technical	<ul style="list-style-type: none"> <li>▪ Water supply projects</li> </ul>

Date from - Date to	Location	Company	Position	Duties and responsibilities
up to January 2013	Rwanda	Consultancy for Engineering services	Director and Senior Engineer for different projects	<ul style="list-style-type: none"> <li>▪ Physical Infrastructures Planning</li> <li>▪ Irrigation project Design</li> <li>▪ Water conservation services</li> <li>▪ Feeder road construction</li> </ul>
January, 2011 - January, 2012	Coimbatore - India	Water technology center - TNAU - Inda	Assistant researcher	<ul style="list-style-type: none"> <li>▪ Ground water recharge, exploration, modelling etc.</li> <li>▪ Rainwater quantification and harvesting</li> <li>▪ Subsurface basin delineation</li> <li>▪ Localization and design of micro rainwater harvesting structures</li> </ul> <p>The project covered 1700sq. km</p>
February, 2009 - April, 2009	Musanze - Rwanda	PRISAE - Rwanda	Field Engineer	<p>Land use planning and infrastructures management In order to control flood water with RUBAVU and NYABIHU Districts (Former Gishwati) in collaboration with AQUAVILUNGA and PRISAE in Northern and Western Provinces of Rwanda (February 2009);</p> <p>Our task was data collection and mapping</p>
April, 2009 - August, 2009	Kigali - Rwanda	Independent Consultant	Topographer	Topographic Map making using GIS tools in GISOZI and BUMBOGO Sectors in GASABO District as technician
October, 2008- January 2009	January, 2009	ISAE Busogo & Musanze	Professional Internee	water resources development and management in volcanic region
August, 2008 - October, 2008	Bugesera - Rwanda	ViLife program	Soil and water management Consultant	Expert for Field rain water harvesting and soil conservation using Contour bund in Bugesera District
August, 2007 - December, 2007	Bugesera - Rwanda	Bamporeze Association	Soil and water management Consultant	<ul style="list-style-type: none"> <li>▪ Design, implementation, and training of farmers for in situ rainwater harvesting using Negarimu Micro catchment.</li> </ul>
June, 2006- August 2007	Rwamagana, Rwanda	PDRCIU -	Water supply Engineer	<ul style="list-style-type: none"> <li>▪ Follow Up implementation of 100km of water supply pipe line</li> <li>▪ Follow up Construction of 85 bore holes constructed in Eastern province of Rwanda</li> <li>▪ Approval invoice and make sure that the drawing were respected</li> </ul>
June, 2001 to December 2003	Rwamagana, Riziculture	Irrigation technician	Term contract staff	<ul style="list-style-type: none"> <li>▪ Irrigation infrastructures maintenance</li> <li>▪ Irrigation water distribution</li> <li>▪ Water transport checking etc.</li> </ul>

**19. Other relevant information**

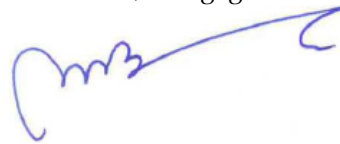
None

**20. References:**

<b>Names of Referee</b>	<b>Position</b>	<b>Contact</b>	<b>Relationship</b>
Eng. Uwintwari Jean Sauveur	Certified Engineer & MD of SCE LTD	uwijesi@gmail.com	Colleague
Eng Mugisha Fred	Certified Engineer Director of One stop center - Kigali city	fmugisha@kigalicity.gov.rw	Colleague in University
Eng. Nzabonantuma Leonard	Certified Engineer	lnzabonantuma@gmail.com	Colleagues

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.



Er. BINYEBEBE MAURICE, M.Tech. (SWCE)

Email: [binyemaure@gmail.com](mailto:binyemaure@gmail.com)/ [binyemaure@yahoo.fr](mailto:binyemaure@yahoo.fr)

Telephone: +250 788376229