UGANDA INSTITUTION
OF PROFESSIONAL ENGINEERS

UIPE NEWSLETTER

JANUARY - MARCH 2024

UIPE NEWS

UIPE-UIRI STRATEGIC ENGAGEMENT

On Wednesday, 14th February 2024, the UIPE President Eng. Andrew Muhwezi accompanied by Eng Henry Mpuuga, Member, Research Innovations and Grants (RIG), Eng. Julius Ceasar Kintu, Professional Development Manager (PDM), and Ms. Leah Alupo, Public Relations and Information Officer (PRIO) held a meeting with Prof. Charles Kwesiga -Executive Director (ED) Uganda Industrial Research Institute (UIRI) at their campus in Namave, Kampala to discuss how to mobilize Engineering Professionals to participate in the knowledge economy i.e. generate ideas and create solutions for the market. The principals also exchanged ideas on a partnership to enable a joint apprenticeship program for Graduate Engineers to enhance their skills for the job market and to catalyze innovation. The meeting concluded with a guided tour of the UIRI facilities.

Prof. Charles Kwesiga, ED UIRI (Left), Eng Andrew Muhwezi and Eng. Julius Ceasar Kintu during the meeting in Prof. Kwesiga's Office

Eng. Andrew Muhwezi and Eng. Henry Mpuuga visit the UIRI textile facility

PRE-WORLD ENGINEERING DAY CELEBRATIONS

UIPE MBARARA & KAMPALA BRANCH SOLIDARITY EVENT

On Saturday, 17th February 2024, the UIPE President Eng. Andrew Muhwezi, together with UIPE Presidential Candidates Eng. Lepi Bosco and Eng. Annet Nsimiire were in Mbarara City to officiate the Kickoff for "Sustainability and Greening Programme" jointly organized by UIPE Mbarara & Kampala branch. The Guest of Honour was Mr. Robert Kanusu, Deputy RCC Mbarara City South. The event started with the planting of trees as a way of promoting sustainability, followed by opening of the UIPE Mbarara Branch Office that took place at Kamukuzi, Mbarara District Local Government. The event was concluded with a football match between UIPE Kampala and Mbarara branch and the scores were 4:2 for Mbarara and Kampala respectively.

Eng. Andrew Muhwezi, President UIPE plants a tree to promote the Greening Programme.

Photo taken in the new UIPE Mbarara branch office at Mbarara District Local Government

UIPE Kampala and Mbarara Branch Football teams

KYAMBOGO UNIVERSITY ENGINEERING SOCIETY (KUES)

PRE-WORLD ENGINEERS DAY CONFERENCE

The UIPE President Eng. Andrew Muhwezi officiated the Kyambogo University Engineering Society (KUES) Pre-World Engineers Day as the Chief Guest. The event took place on Friday, 1st March 2024, at the University and was organized under the theme: Engineering Solutions for a Sustainable World. The event brought together over 300 engineering students from Kyambogo University, Ndejje University, Kabale University and Makerere University among others.

In his remarks Eng. Muhwezi highlighted the three pillars of sustainability i.e. Environment, Economy, and Society. He advised participants to focus interest on research and innovation related to problems of Uganda.

He specifically singled out areas of interest that could deliver societal impact i.e.; E-mobility, use of local materials for in-country manufacturing and boosting cottage industries, access to affordable energy, safe water and affordable housing solutions.

University Students listening to Eng. Andrew Muhwezi during the Conference

UGANDA CHRISTIAN UNIVERSITY

ENGINEERING DINNER

On Saturday, 2nd March 2024, Eng. Andrew Muhwezi, President UIPE attended the Uganda Christian University (UCU) Engineering Dinner in the capacity of the Chief Guest.

In his remarks he encouraged engineering students to get involved in issues that affect them because 80% of the success efforts have nothing to do with getting a first-class degree but rather investment in lifelong learning to get knowledge, attitude, and skills that employers look for.

He added that emotional intelligence, humility, social competence, and the ability to deal with multiple assignments is important. Engineering is a highly regulated profession. It calls for integrity, mentorship, commitment to quality, and subscription to a professional network.Eng. Muhwezi called upon students to invest in looking for opportunities, “Don't work to earn, work to learn so that in 10 years you are competent, and your bargaining power will have gone high".

He then Informed students that UIPE supports graduates to transition to professionals through the Graduate Training Program (GTP) that offers training opportunities and world of work readiness. The challenge is that some graduates don't want to be posted upcountry. But the good news is that those who have exhibited good potential have been retained and placed under full employment terms. He concluded by thanking the outgoing Executive Committee Members for the great work and congratulated the incoming team.

Eng. Andrew Muhwezi, President UIPE (Center) receives a Certificate of Appreciation from the UCU Executives

NEWS IN PICTURES

Eng. Andrew Muhwezi, President UIPE (Right) and Eng. Julius Ceasar Kintu, Professional Development Manager attending the release of the Uganda Community Polytechnic Certificate (UCPC) examinations on 31st January 2024 at Uganda Business and Technical Examinations Board (UBTEB) Secretariat in Ntinda.

Guest of Honour, Dr. Joyce Moriku Kaducu, Minister of State for Education and Sports (Second right, front row) together with Eng. Julius Ceasar Kintu, PDM (Third left, back row) at the release of UBTEB November - December 2023 End of Program Results on 27th March 2024 at Uganda Institute of Information and Communications Technology, Nakawa

From 19th to 23rd March 2024, a team of 14 UIPE Soroti Branch Members conducted a benchmark visit and training to the Institution of Engineering of Kenya with the aim of identifying areas where they are shining and those that need improvement to gain competitive advantage as Engineering professionals. While in Nairobi members visited Konza Satellite City, Suswa Electricity Power Distribution and Olkaria Geothermal Power Generation Plants.

Mr. Andrew Kitamirike, Finance and Administrative Manager of UIPE (Second left) facilitating a panel discussion on the Critical Role Played by Alternative Dispute Resolution in the Management of Construction Disputes at the Pre-AGM Conference of the Institution of Surveyors Uganda which took place on 20th and 21st March 2023 at Imperial Botanical Beach Hotel Entebbe.

UIPE team led by Eng. Henry Mpuuga, Member RIG conducted a meeting with the Uganda Manufacturers Association (UMA) team led by Mr. Allan Ssenyondwa, Director Policy, Research and Advocacy on 18th January 2024 at UMA Offices in Lugogo. The aim of the meeting was to discuss how to engage manufacturers to ensure that Engineers are employed in their rightful positions and to request manufacturers to enroll their staff into membership of UIPE among others.

On 29th January 2024, UIPE conducted an induction for graduate trainees from Makerere University, Kyambogo University and Ndejje University to prepare them for placements in various organizations including Roofings (U) LTD, Crown Beverages LTD and Alison K Consulting under Graduate Training Program (GTP). The training helps graduates to acquire necessary practical skills to succeed in the workplace.

Bernadine A. Mwesigye, Membership Officer and Leah Alupo, PRIO at UIPE attending the Women in Energy Forum at Golf Course Hotel, Kampala

Eng. Aboth Yakoba, Member of Women Engineers, Technicians and Technologists Committee at UIPE (Left) moderating a panel discussion composed of university students. The students presented Challenges Female Students Face in Pursuit of Science-related Careers at the Women in Energy Forum organized by Electricity Regulatory Authority on 13th March 2024 at Golf Course Hotel, Kampala.

AGRICULTURAL ENGINEERING

OPTIMIZING WATER DISTRIBUTION FOR AGRICULTURE THROUGH IRRIGATION

Eberu Daniel
Projects Engineer – Akvo International SMC Limited

Uganda has one of the world's highest irrigation potentials, with over 15% of its surface area covered by freshwater sources. Currently, Uganda's ratio of cultivated area under irrigation potential is only 0.5% as compared to 3.6% for Tanzania, 2.0% for Kenya, and 1.6% for Burundi. Irrigation can play a critical role in response to droughts that have dented the country's food security since well-designed and managed irrigation systems are known to increase yields by 2-5 times for most crops. It also stabilizes irrigation water supply, which enables farmers to have stable production of crops, increase yield, and improve income.

On the side of livestock and dairy farming, dry seasons greatly affect milk production in dairy cattle. This results from traditional grass drying up and the associated negative impact on the entire milk production/value-addition chain. Poor livestock nutrition leads to a drop in milk production, cow body weight loss, low reproductive performance, long calving intervals, slow growth, and mortality due to starvation during extreme conditions. However, irrigation can play a significant role in taming this perennial challenge through systematic growth and preservation of forage to supplement crop residues and pasture roughages. Irrigation-facilitated forage production and management can help overcome the feed shortage, contributing to improved mild production and quality all year around.

The costs for irrigation systems depend on several factors such as closeness to a water source, the terrain of the land, soil suitability, acreage to be irrigated, and equipment used.

The type of irrigation system is determined largely by,

1) **Water source:**
   The water supply should be available, of good quality, and reliable.
2) **Crop water requirements:** Different crops have varying water needs, which influence system design.
3) **Soil type and topography:** Soil texture, slope, and elevation affect water infiltration and runoff.
4) **Field size and shape:** System design depends on field dimensions and geometry.
5) **Water pressure and flow rate:** System components must handle desired water pressure and flow.
6) **Irrigation method:** Sprinkler, drip, flood, or manual irrigation methods are chosen based on crop and field conditions.

7) **Budget and cost:** Initial investment, operating costs, and maintenance expenses are considered.

8) **Energy availability:** Power source and energy costs impact pump selection and system operation.

9) **Labor availability:** Manual or automated systems are chosen based on labor availability and costs.

10) **Climate and weather:** Local weather patterns, temperature, and precipitation influence system design and operation.

11) **Environmental concerns:** Water conservation, runoff management, and environmental impact are considered.

12) **System expandability**: Future expansion or upgrades are considered in the initial system design.

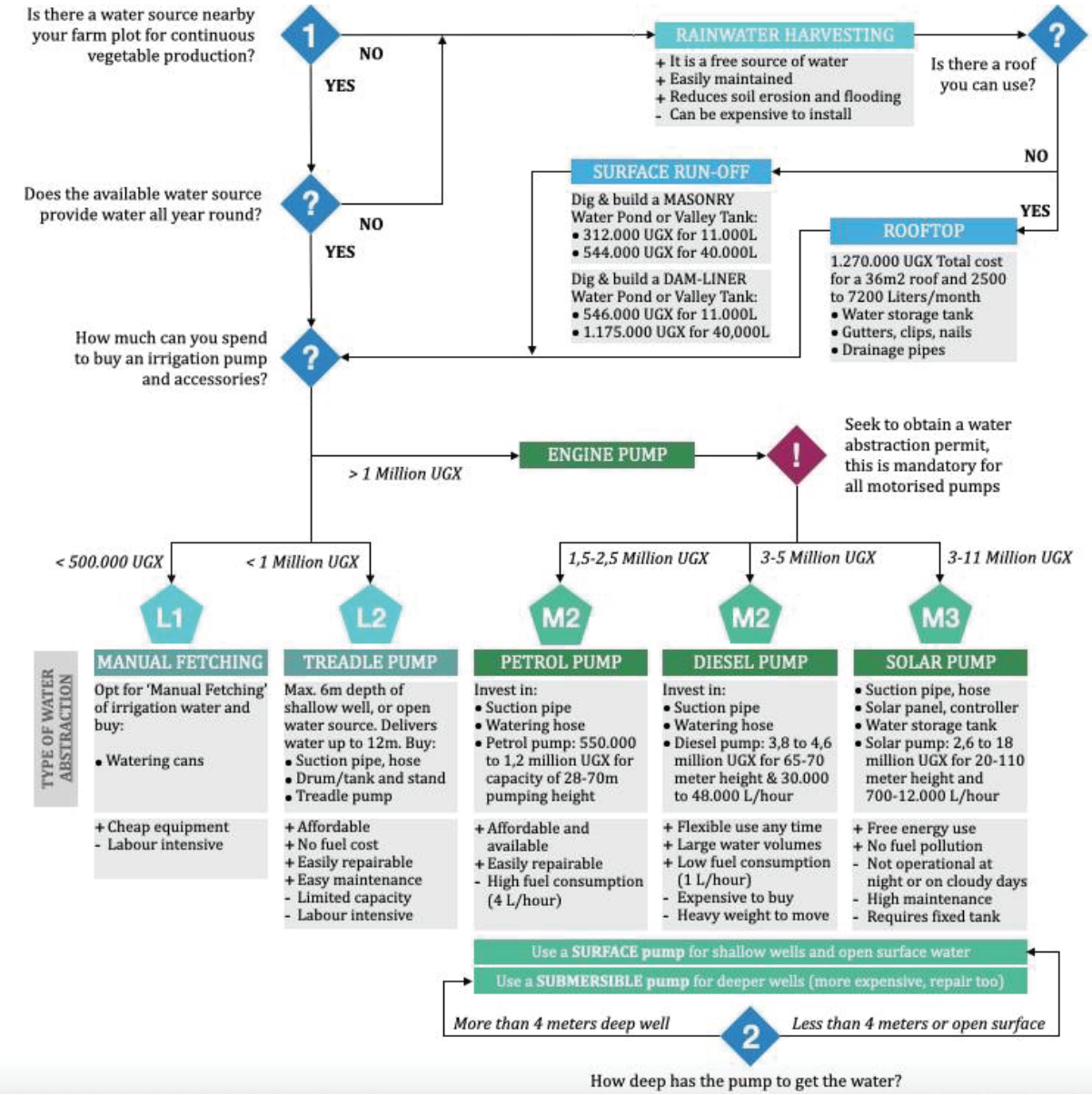
13) **Crop rotation and planting schedules:** System flexibility and adjustability accommodate changing crop requirements.

14) **Water quality and treatment:** Water treatment and filtration needs are addressed to prevent clogging and ensure efficient irrigation.

15) **Maintenance and repair:** Ease of maintenance, repair, and replacement of components are evaluated.

Considering these factors ensures an effective and efficient irrigation system that meets crop water needs while minimizing water waste and environmental impact.

SYSTEM SELECTION CRITERIA FOR AN IRRIGATION SYSTEM



DRIP OR TRICKLE IRRIGATION SYSTEM

in this type of irrigation water is delivered at or near the root zone of plants, drop by drop, using applicators (orifices, emitters, porous tubing & perforated pipe). It is operated under low pressure with the applicators being placed either on or below the surface of the ground.

If well managed, this method can be the most water-efficient method of irrigation because evaporation and runoff are minimized. The field water efficiency of drip irrigation is typically in the range of 80%-90% when managed correctly. Drip irrigation is often used as a means of delivery of fertilizer, a process known as fertigation. It provides slow, even application of low-pressure water to soil and plants using plastic tubing placed in or near the plant's root zone.

The main items in the installation of the drip irrigation system include the installation of the head assembly (control head), comprising the pumping set, non-return valve, water meter, filters, fertilization equipment, flow control, air

release, and pressure release valves. The other items of installation include connecting mains, and sub-mains, and laying of drip tape or lateral with drippers. While installing the control head or the pipe network, the minimum number of accessories such as elbows & reducers should be used. This is required for proper maintenance of the system and to reduce unnecessary head loss in the system due to these connections.

Periodic preventive maintenance of all the components of the drip irrigation system is required for successful operation. The following should be checked regularly i.e., emitters, filter cleaning, flushing of mains and sub mains, and inspections of fertigation systems among others.
Drip irrigation system requires careful engineering. Design must take into account the effect of the land's topography (slope and contour) on pressure and flow requirements. There is a need to plan for water distribution uniformity by carefully considering the driplines, irrigation lengths, topography, and the need for periodic flushing of the driplines.

SPRINKLER IRRIGATION SYSTEM

This is a type of irrigation that imitates natural rainfall. It is a system comprising a sprinkler-nozzle combination as main system components; devices that achieve an equal circular water distribution pattern under a particular radius around its installation position.

The main components of a sprinkler irrigation system include a water source (pump, well, or municipal water supply), Pumping unit (if needed), Pipe network (mainlines, sub-mainlines, and laterals), Sprinklers such as pop-up, impact, or rotor sprinklers and Control system (timers, sensors, and valves)

The process works as follows; Water is pumped from the source into the pipe network, the water flows through the pipes to the sprinklers, then sprinklers distribute the water over the soil surface and the water is absorbed by the soil, reaching the roots of the plants.
Sprinkler irrigation systems offer several benefits, including Efficient water distribution, reduced water waste, increased crop yields, flexibili-

ty in water application, and ease of automation and control.
However, they also have some limitations and potential drawbacks, such as high initial investment cost, energy consumption (if pumping is required), potential for overwatering or underwatering, and maintenance requirements (cleaning clogged sprinklers).
Overall, sprinkler irrigation systems can be an effective and efficient way to manage water resources for various applications, but it's important to consider the specific needs and conditions of the area being irrigated.

The operation and maintenance of a sprinkler irrigation system involve regular checks, repairs, and replacement of components to ensure efficient water distribution and prevent damage to the system. Operations and maintenance procedures include start-up and shut-down procedures, monitoring water pressure and flow rate, adjusting sprinkler heads and nozzles, scheduling irrigation cycles (timers and sensors) observing system performance and making adjustments, and regular inspections (weekly or monthly), cleaning and flushing the system, replacing worn or damaged parts (sprinkler heads and nozzles), lubricating moving parts (valves and pumps), checking and repairing leaks, upgrading or replacing outdated components and performing seasonal maintenance (winterization and spring start-up).

SURFACE IRRIGATION (FLOOD OR FURROW)

Surface irrigation is where gravity applies and distributes water over the soil surface, implying that the water distribution is uncontrolled and therefore, inherently inefficient as no irrigation pump is involved and the water is distributed across the land by gravity, with the entire surface of the soil covered by ponded water. In Surface irrigation, water from a source such as rivers, pipes, dams & canals floods the soil surface.

Furrow irrigation is conducted by creating small parallel channels along the field length in the direction of the predominant slope. Water is applied to the top end of each furrow and flows down the field under the influence of gravity & soaks into the earth. Flood irrigation is a method where a farmer floods the growing plants with water. Rice is the main crop irrigated by this method.
Surface irrigation systems require regular operation and maintenance to ensure efficient water distribution and prevent damage to the system. Here are some key aspects of operation; Water ordering and scheduling, Water level management (reservoirs and canals), Gate operation (opening, closing, and adjusting), Water flow control (valves and sluice gates), and Field water management (furrow and flood irrigation).
The system requires Regular inspections (daily or weekly), Cleaning and clearing canals, ditches, and waterways, Repairing and replacing damaged gates, valves, and other equipment, maintaining water control structures (weirs and flumes), Monitoring water quality and sedimentation, performing routine maintenance on pumps and other equipment and upgrading or replacing outdated components.

MANUAL IRRIGATION SYSTEM

This is a labor-intensive and time-consuming irrigation system. Here, the water is distributed through watering cans by manual labor.
Manual irrigation systems require regular operation and maintenance to ensure efficient water distribution and prevent damage to the system. Here are some key aspects,

Operation: Water source management (well, reservoir, and tank), Water conveyance (buckets, cans & hoses), Water application (hand watering & flooding), Water distribution (manual valves & gates), and Field water management (furrow & flood irrigation).

Maintenance: Regular inspections (daily & weekly), cleaning and clearing water sources and conveyance systems, repairing and replacing damaged or worn-out equipment (buckets & hoses), lubricating moving parts (valves & gates), monitoring water quality and sedimentation, performing routine maintenance on pumps and other equipment (if applicable) and upgrading or replacing outdated components.
It is important to always refer to the manufacturer's instructions and guidelines for specific maintenance recommendations tailored to your manual irrigation system.
Note: Manual irrigation systems are often labor-intensive and may require more frequent maintenance and operation compared to automated systems.

The installed irrigation systems can be better found by exploiting the following;

1)

The Micro-Scale Irrigation Program, which is part of the Uganda Intergovernmental Fiscal Transfers Program results with aim of assisting Ugandan farmers in purchasing irrigation equipment at a lower cost, teaching them how to utilize the irrigation equipment, and advising them on when and how to water their crops. Local governments will be procuring the irrigation equipment after the farmers' successful application.

2)

Irrigation systems above can also be found in the public irrigation schemes within the country i.e. Doho, Mubuku, Tilda, Nsimbe, Doho 11, Doho 111, Kibimba, Bugondo, Mubuku 11, Agoro, Okile, Olweny, Wadelai, Tochi, and Nyimur and privately owned irrigation schemes like Kawumu, Amuru, Atiak sugar, Kigezi, Mayuge, Buwenge, Omoro irrigation schemes.

RECOMMENDATIONS TO A FARMER OR A GROUP THAT WANTS TO START AN IRRIGATION BUSINESS

1) Irrigation is hard work. You are not supposed to be lazy as a farmer.

2) There is good money in irrigated agriculture produce. But you also must have money to start and invest in doing it.

3) Get an engine or solar pump and start with a hose pipe or hand irrigation. If you cannot afford a fuel or solar pump, then start with a treadle pump and use it to bring the water from the source to a drum and from there fill your watering cans to reduce time.

4) Start with what you have and persevere. One would like to have a borehole with a submersible pump, but first plan to extend your hand-dug water harvesting ponds for now. Create a water source, the one you can afford.

5) Training, invest in knowledge first, before investing in equipment. You need to be technical and have both agronomic skills and for operation & maintenance of the irrigation equipment.

6) Conduct field trials with different types of seeds, new inputs, adding organic manure, and regenerative farming practices Test all of them before making a decision. Plant the crops that your land can support.

7) Select varieties in the function of yield, resistance to pests and diseases, and market demand.

8) Keep records to know your loss or profits. Record costs of inputs, (paid) labour, transport, sales, and of who owes you money.

9) As a beginner, first hire irrigation equipment and learn. Start on a small plot and expand it with time. One farmer, for instance, started on three acres, and the work was too much and the capacity of the pump was too low.
Decide what to plant in the function of what the market demands. When choosing products, varieties, and even quantities, first look for the market, and plan for transport costs. Start from the market and then work backward. Who is going to eat my cabbage, tomatoes, etc.?

10) Combine better quality with larger quantities and a consistent supply to be ready whenever they give the call (staged production for continuous supply).

11) Selling more does not necessarily equal higher profits. You need to rush so your products don't get spoiled. It is better to sell consistently but in smaller quantities.

12) It is very important to be part of a group to get to know many people with different ideas and learn from each other.

13) As a group you produce more, learn more, work less, waste less time, and it is easier to get a market for your products.

PARENTING IN THE DIGITAL ERA

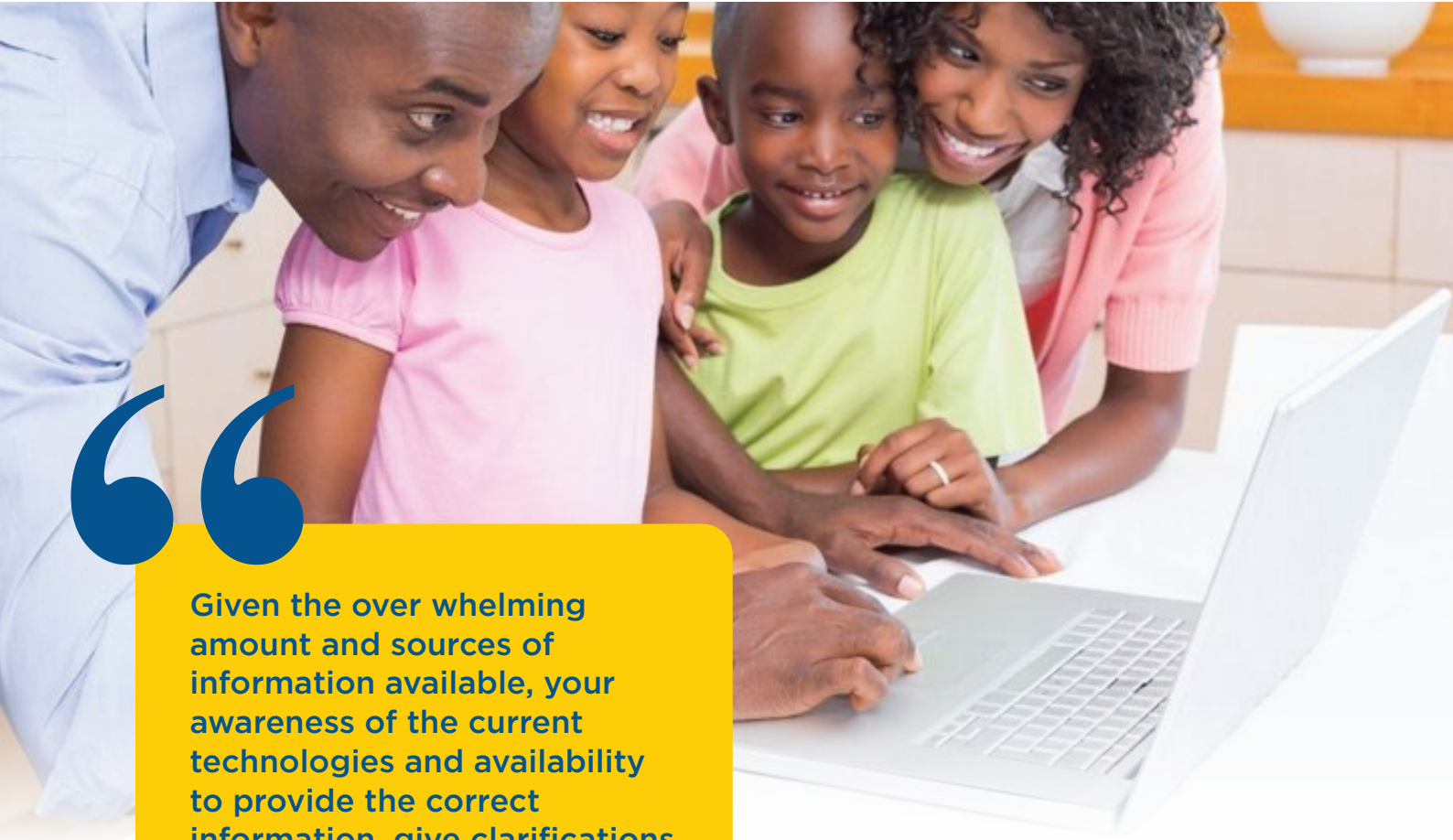
ENG. TIMOTHY MUBBALA

Eng. Timothy Mubbala
Manager Compliance - National Building Review Board
Author of Total Man

Imagine being a Chief Executive Officer (CEO) of an Organisation, the responsibility that comes with it and yet you are also a parent. As you aspire to be a great father or mother, knowledge in parenting becomes extremely useful. One time I was invited as a visiting preacher to speak to children how they can live a christian upright life and most of the parents made sure their children were present to listen to the sermon.

When I got onto the pulpit, the Lord led me to ask parents what they want to see in their children. The feedback was superb with most parents writing two qualities in one go. Top on the lists were; God-fearing, obedient, open/ transparent and respectful.
I then asked some parents; How God-fearing they are, how obedient and transparent are they to their Parents, Mentors and Guardians? Have you honoured your parents in any way and have you demonstrated this before your children? I asked. The hall went silent, probably because they did not practise some of the above virtues. It is important for you to model your child to what you envisage. Parenting in the digital era has ushered in new tactics and requires more efforts to ensure that you nature a child who will make you a proud parent.
Technical training of children to ensure that they get into the footsteps of their parents has become a thing of the past due to the emerging disciplines and evolving practices. Instead, a parents should focus on helping his/her child to excel in what they do best. It would be good to identify your child's strength and provide the necessary support for him/her to flourish.

The behavioural aspects are however fully available for you to influence/ shape. It is important that you squarely introduce your child to what you consider valuable early and let him/her know that there are other divergent views, this will guard against children getting strayed from the path that is considered good.



Given the over whelming amount and sources of information available, your awareness of the current technologies and availability to provide the correct information, give clarifications and also answer questions that the children may have is critical.

This can be achieved through integration of parenting with other activities and minimize voluntary absenteeism (stay away from your children only when you must). Some of the helpful activities include; Personally, dropping and picking your children from school. Pre-empt them to talk about their day by first telling them about your day. This will help them open up to you. The key factors of any relationship are the time spent together and the quality of discussions. Ensure that your child is in an environment that promotes/ reinforces your family values for instance the school environment, play grounds, church among others. Meeting and influencing your children through the media that they use most. It could be face to face of social media. Value your parents so that your child can emulate, with exception of sensitive matters, talk to your parents in his/her presence so that she can learn the father daughter relationship. Progress from a nurturing parent/instructor to a mentor or couch. As children grow, progressively involve/delegate them to run immediate and wider family duties, business or community activities. It does not matter if they make mistakes after all you learned whatever you know because someone at one time gave you a chance.

In conclusion, it is critical to note that your primary role is to be a parent and being a friend to your child is secondary. Parenting is a full-time job that needs continuous reading and learning to ensure that you perform your roles well because a well-groomed child is a gift to the community.

EXECUTIVE APPOINTMENT

Eng. Hon Hillary Onek
Minister for Relief, Disaster Preparedness and Refugees

Eng. Dr. Ivan Lule
Board Member, Uganda National Oil Company

Eng. Benjamin Olobo
Board Member, Uganda Railways Corporation

Eng. Herbert Magyezi Mugizi
Board Member, Uganda National Oil Company

NEW STAFF MEMBER

Ms. Leah Alupo was appointed the Public Relations and information Officer at UIPE effective 18th January 2024. Leah has over 10 years professional experience in Marketing, Communications, Branding and Events Management spanning from a Professional Regulatory Body, Media and NGO. She holds a Post Graduate Diploma in Marketing Management from Uganda Management Institute and a Bachelors of Mass Communications (Public Relations Major) from Makerere University Kampala.

STAFF ACHIEVEMENTS

On 1st March 2024, Eng. Julius Ceasar Kintu was awarded a Masters of Business Administration from Uganda Management Institute and was registered and sworn in as a Professional Engineer on 5th March 2024 by the Engineers Registration Board. Julius is the Professional Development Manager at UIPE.

Mr. Andrew Julius Kitamirike was awarded a Post Graduate Diploma in Project Planning and Management form Uganda Management Institute on 1st March 2024. Andrew is the Finance and Administration Manager at UIPE.

UIPE ELECTED MEMBERS

ELECTED ON 13TH FEBRUARY 2024

CORPORATE

1. Mr. Katende Fred Serunjogi
2. Mr. Kibuule Brian
3. Mr. Bwambale Mulhondi Isaac
4. Mr. Birime Patrick
5. Ms. Nshemereirwe Ephrance
6. Ms. Kwitegetse Penlope
7. Mr. Kanyike Tom
8. Mr. Kayemba Yasin
9. Mr. Kakooza Kaweesi Abudkarim
10. Mr. TomusaTnge David Lumala
11. Mr. Otai Emmanuel
12. Mr. Ogwal Isaac
13. Mr. Mweteise Samuel

GRADUATE

1. Mr. Tinyine Richard
2. Mr. Bongomin Robert
3. Mr. Oruk Lawrence
4. Mr. Elakas Ronald Samuel
5. Mr. Muzei Isaac
6. Mr. Mugeni Job
7. Mr. Kategaya Paul
8. Mr. Muzaire Bruno Solomon
9. Mr. Renzaho Abel
10. Mr. Ageet Abraham Onyait
11. Mr. Mutanda Eridadi Hosea
12. Mr. Bisagati Benard
13. Mr. Bwambale Samson
14. Mr. Nizeye Keneth
15. Mr. Musumba Emmanuel
16. Mr. Kasana Kassim
17. Mr. Mwanga Joshua
18. Mr. Mpuuga Raymond
19. Mr. Obwoya Patrick
20. Mr. Niyonsaba Emmanuel
21. Mr. Masaba Emmanuel
22. Mr. Okello Ivan
23. Mr. Ssengendo Deograttius
24. Mr. Wanyoto Peter Allan
25. Mr. Tukwatsiibwe Evans
26. Mr. Tumubwiine Anthony
27. Mr. Semaganda Arthur
28. Mr. Bwambale Ahebwa
29. Mr. Ainebyoona Joseph
30. Mr. Erimu Ivan
31. Ms. Ndagire Natalie
32. Mr. Owino C.M. Ochwo
33. Mr. Paali Ivan
34. Mr. Bwire Moses
35. Mr. Opio Isaac
36. Ms. Kyolaba Bridget Daphine
37. Mr. Kiwalabye Joseph
38. Mr. Lagada Nyeko Ronald
39. Mr. Kizza Vicent
40. Mr. Kibuuka Benon
41. Mr. Okite Alfred
42. Mr. Lutaaya Harrison
43. Mr. Kidega John
44. Mr. Asiimwe Stephenson
45. Mr. Mabirizi Nelson

TECHNOLOGIST

1. Mr. Kalule Lowrence
2. Mr. Nudembula Alone
3. Mr. Oloya Richard Akena

TECHNICIANS

1. Mr. Atwine Cosmas
2. Mr. Ssenyonjo Abubakali
3. Mr. Atim Patrick

STUDENTS

1. Ms. Aguti Stella Agnes
2. Mr. Komakech Francis Mario
3. Mr. Wanyama Julius
4. Mr. Woopo Tomasi
5. Mr. Oguti Stephen
6. Mr. Nawoya Kananiya
7. Mr. Takuwa Perus
8. Mr. Nsawo John
9. Mr. Ijjo James Peter
10. Mr. Bagume Rogers
11. Mr. Foozi Hassan
12. Mr. Onapa Ronald Raphael
13. Mr. Nyeko Richard Charles
14. Mr. Kisekya Keneth
15. Ms. Apia Christine
16. Ms. Asilo Pricilla Goret
17. Ms. Karungi Mary Immaculate
18. Ms. Mukhwana Joy
19. Mr. Eriau Daniel
20. Mr. Chegem Marie Viane John
21. Mr. Kasubi Joel
22. Mr. Bwambale Joshua
23. Ms. Anebo Esther
24. Ms. Namubiru Emilly
25. Mr. Okeng Richard
26. Mr. Musinguzi Pedison
27. Ms. Kwarisiima Sadiya
28. Ms. Mulungi Chleopatra
29. Ms. Mbeiza Gloria
30. Ms. Ainyo Joyce
31. Ms. Baluka Catherine
32. Mr. Makayi Simon
33. Mr. Lokoi Rwoth Komol
34. Mr. Kasule Joseph
35. Mr. Isiko Edwin
36. Mr. Mahad Imran Muluga
37. Mr. Ineget Raphael
38. Mr. Kabuye Frank Stephen
39. Mr. Kulu Ronald
40. Mr. Bedogwa Ozala
41. Mr. Tayebwa Kiiza Rhyz
42. Ms. Nabirye Lynette
43. Mr. Omudu Baron Trevor
44. Mr. Nuwaheriza Finibah
45. Mr. Owor Anjello
46. Ms. Bakwatanise Shivan
47. Ms. Atukunda Caroline
48. Mr. Walusimbi John
49. Ms. Ampaire Shivan Natasha
50. Mr. Isabirye Mulani
51. Mr. Kizito Deus
52. Ms. Anyango Prossy
53. Mr. Obasang Simon Peter
54. Ms. Mukoya Cate Mandu
55. Mr. Kamuhangire Edison
56. Mr. Tamale Martin
57. Mr. Nkuutu Ibrahim
58. Mr. Mporera Emmanuel
59. Mr. Atuha Elisha Arone
60. Mr. Ocen Gilbert
61. Ms. Nyamungu Rosemary
62. Ms. Nakoba Caroline Flavia
63. Mr. Bakulumpagi Aloysious G
64. Mr. Odong Brian
65. Mr. Jatim George
66. Mr. Madoi Shaidu
67. Mr. Munguci Saviour
68. Mr. Waiswa Rogers
69. Ms. Said Abdi Maryan
70. Ms. Mwijukye Daphine
71. Ms. Kushemererwa Natabarura
72. Mr. Mwesigwa Samuel
73. Mr. Amumpe Isaac

ELECTED ON 19 MARCH 2024

FELLOW

1. Eng. Ben Kyemba

CORPORATE

1. Mr. Kavuma John Ian
2. Ms. Nyesigire Resty
3. Mr. Kadaali Andrew
4. Mr. Ddumba Nathan Mayanja
5. Mr. Yiga Francis
6. Mr. Eonya Julius Elolu
7. Ms. Nalubowa Oliver
8. Ms. Nayiga Zainah
9. Mr. Tumuhimbise Daniel
10. Mr. Kizito Bruce
11. Mr. Mutekanga Samuel Tonny
12. Mr. Adam Samuel Gordon

GRADUATE

1. Mr. Murungi William
2. Mr. Twinomugisha Arthur
3. Mr. Musinguzi Alexander
4. Mr. Arumadri Godfrey
5. Mr. Mubangizi Emmanuel Ploy
6. Mr. Kirabo Samuel
7. Mr. Akwec George
8. Mr. Wanderema Ignatius
9. Ms. Mbeiza Brenda
10. Mr. Omongo Benon
11. Mr. Lubingo Moses
12. Ms. Nalule Resty
13. Mr. Drazu Kennedy
14. Mr. Atuhaire Darias
15. Mr. Mazina Timothy
16. Mr. Arima Hillary
17. Mr. Arinaitwe Edgar
18. Mr. Asaanidde Saved
19. Mr. Rwendeire Stuart Evart
20. Mr. Ojok Geoffrey
21. Mr. Kakooza Nicholas
22. Mr. Rukwatagye Emmanuel
23. Mr. Katumba Aloysious
24. Mr. Yita Tonny
25. Mr. Okello Moris
26. Mr. Musinguzi Wilson Tabaaro
27. Ms. Nambuya Agatha
28. Mr. Akampurira Myres Caleb
29. Mr. Mugabe Victor
30. Mr. Kirinnya Francis
31. Ms. Kebirungi Shivan
32. Mr. Wokoto Steven
33. Mr. Wangila Mukota Geoffrey
34. Mr. Yiga Ronald
35. Mr. Kaginda Bennah Turigye
36. Mr. Kahinju Joan Byaruhanga
37. Mr. Okello Emmanuel Anam
38. Mr. Gisagara Mark
39. Mr. Matovu Davis Kigonga
40. Mr. Majweega Hussein
41. Ms. Kansiime Agnes Magara
42. Mr. Kiggundu Sinan
43. Mr. Semambo Emma
44. Mr. Ssande Godfrey
45. Mr. Kiirya Isaac
46. Mr. Kavuma Mohammed
47. Mr. Buyinza Siragi
48. Mr. Mugisha Frank Mutanda
49. Mr. Zake Gary
50. Mr. Mpeeka Mathew
51. Mr. Twomo Brandon Obace
52. Mr. Wobudeya Victor
53. Mr. Akankwatsa Reagan
54. Mr. Semwogerere Simon Noah
55. Mr. Ayikobua Walter Noah
56. Mr. Rusheesha Alex
57. Mr. Avaga Saviour
58. Mr. Tumwebaze James
59. Mr. Asiimwe Stephenson
60. Mr. Kawalya Rogers
61. Mr. Bogere Robert
62. Mr. Akandwanaho Mahad
63. Mr. Taremwa Cyril Bob
64. Ms. Katusiime Doreen
65. Mr. Lubega Mark

66. Mr. Lubwama Abdul Hakim Ssebagala
67. Mr. Mukaya Muhammudu
68. Mr. Ssetebere Moses Muwanga
69. Mr. Waiswa Abudallah Mujjasi
70. Mr. Tugeineyo Hillary Besigye
71. Mr. Mukundane Felix
72. Mr. Turyasiima Richardoh
73. Mr. Muhumuza Gerald
74. Mr. Kasirye Fred
75. Mr. Mutakoowa Louis
76. Mr. Kyeyune Moses
77. Mr. Kiyingi Robert
78. Mr. Ndayizeye Eria
79. Mr. Kule Mujungu Wilson
80. Mr. Akanwasa Denis
81. Mr. Mugume Gordon
82. Mr. Ocora Simon

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1. Mr. Kivumbi Douglas
2. Ms. Nakanwagi Philomera

TECHNICIAN

1. Mr. Mwesigye Fred
2. Mr. Akera Emmanuel
3. Mr. Muhereza Esau
4. Mr. Rom Isaac Ayere
5. Mr. Edeket Emmanuel
6. Mr. Kalungi Ashraf

STUDENTS

1. Mr. Lubayi Fred
2. Ma. Ahimbisibwe Charlotte
3. Ms. Kyomugasho Lilian
4. Mr. Matsiko Joseph
5. Mr. Mubale Benon
6. Mr. Mugisha Allan
7. Mr. Muhindo Rodney
8. Ms. Nayebare Maureen
9. Ms. Nuwahumuza Martha
10. Ms. Nabwami Monica
11. Mr. Segawa Paul
12. Mr. Ndalike Lawrence Bond
13. Mr. Lubwaguzi Stephen
14. Mr. Ntumwa Abdulah
15. Mr. Bazirengedde Harunah
16. Mr. Kitandwe Henry
17. Ms. Babirye Getrude
18. Mr. Wasswa Keneth
19. Ms. Nalwoga Margret
20. Mr. Mwebembezi Pius
21. Mr. Kayizzi Andrew
22. Mr. Kalemeera Henry
23. Ms. Nalwoga Sulayiah
24. Mr. Mutabaazi Bob
25. Mr. Jingo Sharif
26. Mr. Kasasa Martin
27. Ms. Kemigisha Evalyne
28. Mr. Kintu Fredrick
29. Mr. Niwamanya Innocent
30. Mr. Ssekajugo Timothy
31. Ms. Atemo Joan Eneku
32. Ms. Murungi Chelsea
33. Ms. Alungat Susan
34. Mr. Muhanguzi Mordecai Stanly
35. Mr. Owino Emmanuel
36. Mr. Kisitu Steven
37. Mr. Ashaba Peter
38. Ms. Aber Caroline Tereza
39. Ms. Bakera Purikeria
40. Mr. Mbarak Mohammed
41. Mr. Agaba Joel
42. Mr. Kalumba Joram
43. Mr. Openjtho Alden Job
44. Mr. Tusubira Andrew
45. Ms. Nagitta Aisha Thuraiya
46. Mr. Komagum Emmanuel Obong
47. Mr. Ayebare Vivas
48. Mr. Abur Monychok Biong Arop
49. Mr. Opio Elvis Osikol
50. Mr. Maiso Allan
51. Mr. Tumuhimbise Peter
52. Mr. Kalema Savious
53. Mr. Ampeire Isaiah Mpamire
54. Mr. Tusubira Stuart James

55. Mr. Ogenrwot Moses Jonathan
56. Mr. Kizza Jude
57. Ms. Namubiru Racheal Hilda
58. Mr. Atekyereza Brian
59. Ms. Atusiimirwe Leah Shevon
60. Ms. Ojaba Josephine
61. Mr. Kalungi Emmanuel Mike
62. Mr. Bwamiki Hamid
63. Mr. Anyovi Patrick
64. Mr. Lagen Daniel
65. Mr. Apollo Emmanuel
66. Ms. Namuwaya Flavia Byansi
67. Mr. Tumukunde Mark
68. Mr. Wochewani Moses
69. Ms. Naluwooza Faridah
70. Mr. Ssendawula Jovin
71. Mr. Makonzi Tonny
72. Mr. Magezi Adams
73. Mr. Baguma Joachim
74. Mr. Rutagarukayo Allan
75. Mr. Ayinza Elvin Mark
76. Mr. Khasebe Ronald
77. Ms. Nshemereirwe Monica
78. Mr. Mugenyi Travor
79. Ms. Naturinda Peace
80. Mr. Lule Issa
81. Mr. Kaweesa Nasser
82. Mr. Ssebuggwaawo Raymond Charles Kiyitawa Ggulu
83. Mr. Nambuye Ahmed Midyero
84. Ms. Mutesi Zainabu
85. Mr. Lule Timothy Benjamin
86. Mr. Gwono Joyce Agenorwot
87. Mr. Anywar Denis Onyim
88. Mr. Wandera Samson
89. Mr. Nahwera Ivan
90. Mr. Katumba Accrum Ssentongo
91. Mr. Mubiru Ivan Apollo
92. Mr. Nyabijuka Pathias
93. Ms. Munguleni Marlon
94. Mr. Ayang Zakaria Obur
95. Ms. Ayebale Pauline
96. Mr. Kanyesigye Alex
97. Mr. Kakama Mark
98. Mr. Mohamud Abdisalam Mohamed
99. Mr. Oweka Stephen
100. Mr. Ayangwa Nimanya Iyega
101. Mr. Seruwooza Micheal Msafiri
102. Mr. Kaganzi Edward Ruhweza
103. Mr. Ajoba James
104. Mr. Kanyesigye Sadiiki
105. Mr. Opio David Bernard
106. Mr. Kalema Charles
107. Mr. Mukisa Godfrey
108. Mr. Mukasa Jude Sunday
109. Mr. Kayiira Denis

APPLICATION FEES

SN	MEMBERSHIP CATEGORY	AMOUNT
1.	Corporate Member	530,000
2.	Graduate Member	180,000
3.	Technologist	180,000
4.	Technician	130,000

ANNUAL SUBSCRIPTION FEES

SN	MEMBERSHIP CATEGORY	AMOUNT
1.	Honorary Member	300,000
2.	Fellow	300,000
3.	Corporate Member	300,000
4.	Graduate Member	250,000
5.	Technologist	250,000
6.	Technician	200,000

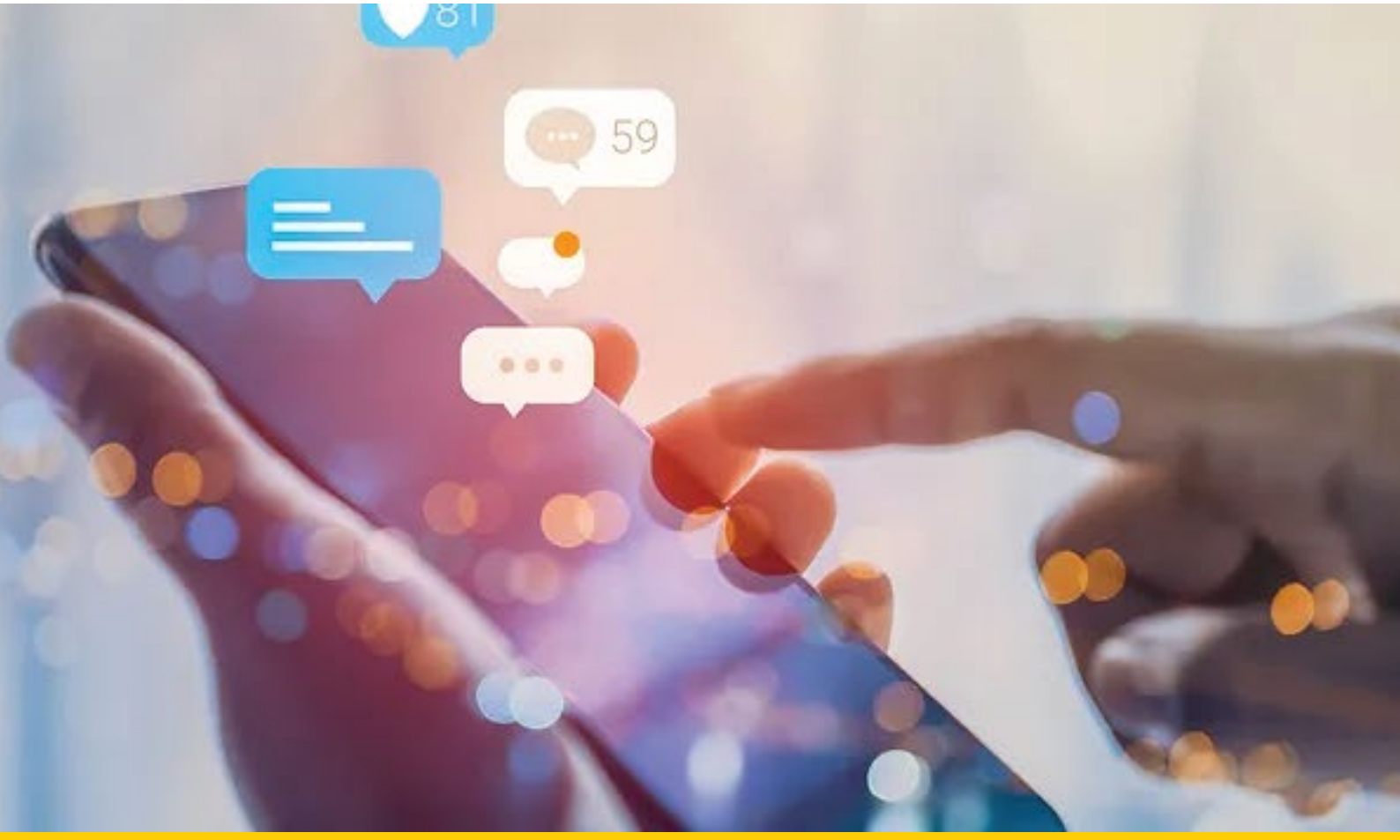
UGANDA INSTITUTION OF PROFESSIONAL ENGINEERS

TRAINING SCHEDULE FOR 2024

DATE	TOPICS	VENUE	MEMBER	NON MEMBER
26th - 28th June	Advanced Hydraulic Design and Modelling with EPANET (3days)	Physical	500,000	500,000
29th - 30th August	Project Proposal Writing for Engineers	Virtual	250,000	300,000
12th & 13th September	Reinforced Concrete Design and Analysis	Physical	500,000	500,000
25th & 27th September	Design of Solar Powered Water Systems (SPWS) (3days)	Physical	500,000	500,000
31st Oct - 1st November	Energy Efficiency and Climate Change Management	Virtual	250,000	300,000
28th - 29th November	Innovative Approaches for Wastewater and Faecal Sludge Management	Physical	500,000	500,000
4th -6th December	Large System Energy Optimisation with Homer and Odyssey	Physical	500,000	500,000
19th -20th December	Technical Audit and Value for Money Audit of Engineering Infrastructure Projects	Virtual	250,000	300,000

IPD TRAINING 2024

21st June	Innovation & Problem Solving skills	Virtual	85,000	125,000
12th July	Environmental, Occupational Health, Safety and Safeguards in Engineering projects.	Virtual	85,000	125,000
25th - 26th July	Career and Technical Report Writing	Physical	350,000	500,000
23th, Sept	Essentials of Project Management and Construction Management for Engineers	Virtual	85,000	125,000
19th - 20th September	Career and Technical Report Writing	Physical	350,000	500,000
15th November	Mechanical Engineering Workshop Management	Physical	175,000	250,000



CONNECT WITH US

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