

September Newsletter 2024 ISSUE#33

Every successful ending is the result of dedication, perseverance, and a vision that inspires us to rise above challenges. It's not just about reaching the destination, but the journey that transforms us along the way."

Nile Univers

— Zig Ziglar

PARTNERSHIPS



Partnerships

Nile University Signs MOU with The National Institute of Oceanography and Fisheries

Nile University is thrilled to announce the signing of a Memorandum of Understanding (MOU) with The National Institute of Oceanography and Fisheries (NIOF).

Attended the MOU Signing NU President Prof. Wael Akl, NU VP for Research Prof. Ahmed Radwan and Director of SESC Research Center Dr. Irene Samy. From NIOF, NU welcomed NIOF President Dr. Abeer ElSaharty, Dr. Hossam Eissa and Mr. Ramy ElSaeed.

This MOU aims to build on the existing collaboration between Nile \University and NIOF and to expand the efforts in aquatic and marine life applied research. It also aims at initiating mutual research and capacity building programs between the two entities and exchange of researchers along with benefiting from the existing resources for best outcome of mutual research to serve Egypt vision 2030.



Partnerships

The Information Center Signs a Cooperation Protocol with Nile University

The Information and Decision Support Center at the Council of Ministers signed a cooperation protocol with Nile University to enhance scientific research, and academic collaboration in areas of mutual interest, aiming to expand the knowledge base and leverage the accumulated expertise of both institutions. Dr. Osama Al-Johari, Head of the Center, emphasized the significance of this partnership in supporting the Egyptian National Strategy for Artificial Intelligence by developing joint technological programs and projects. The protocol includes initiatives that utilize technology to promote sustainability across economic, social, and environmental dimensions, while also facilitating data sharing for research and studies relevant to the Nile University faculties.

Additionally, the protocol aims to implement joint scientific events, such as periodic competitions that address developmental challenges facing Egypt and collaborative research projects. Dr. Wael Aqel, President of Nile University, expressed confidence in the partnership's potential to yield rapid and tangible results, highlighting the importance of building capacity through advanced training programs in cybersecurity, digital economy, and data science for personnel at the Information Center. This collaboration will also involve consulting services and joint efforts in publishing scientific research to enhance knowledge sharing and foster innovation in key areas.



ACHIEVEMENTS



Celebrating Student Success: Nile University Interns Thrive at INBIOSIS, Malaysia

As part of an ongoing collaboration between Nile University's School of Biotechnology and the Institute of Systems Biology (INBIOSIS) in The University of Kebangsaan, Malaysia, students Abdelrahman Shawky and Omnia Asker successfully received 2 internship positions which they started on the 1st of July and concluded on the 21st of September, 2024. Abdelrahman and Omnia conducted proteomics and metabolomics experiments under the supervision of Prof. Dr. Sayarul Nataqain Baharum, Director of INBIOSIS, Senior Lecturer Dr. Ahmed Mediani, and Research Fellow Dr. Hamizah Shahirah Hamezah. They also learned how to conduct experiments on animal models and analyze proteomics and metabolomics data using cutting-edge bioinformatics tools.

Abdelrahman and Omnia did not only master the basics of proteomics and metabolomics, but they also went on various excursions to several prominent scientific institutions across the country, such as the Forest Research Institute Malaysia in Kuala Lampur. Furthermore, they were completely immersed in the Malaysian culture. They had Malaysian food, learned many sentences in Malay, and celebrated the Malaysian Independence Day on August 31st. This would not have been possible without the hospitality and kindness of Prof. Dr. Sayarul Nataqain Baharum, Dr. Mediani, and Dr. Hamizah.

The exposure that Abdelrahman and Omnia had, provided them with a glimpse into an advanced science and technology culture that fosters research and innovation quickly translating them into real-world applications that solve social challenges. This internship will prepare them for a successful career in biotechnology by becoming effective players in the Egyptian Biotechnology sector, helping in the contribution to its success and raising the Egyptian national GDP.



FinTech Diploma Graduation

We are proud to congratulate the graduates of our FinTech Diploma at Nile University! These bright minds have successfully completed an intensive journey, gaining cutting-edge skills in financial technologies and innovations that are reshaping the global financial landscape.

The NU FinTech Diploma Program offers participants a comprehensive understanding of emerging trends in financial services, including blockchain, digital payments, Al in finance, and more. It's designed to equip professionals with the tools they need to lead and innovate in today's fastevolving financial world.

A sincere thank you to our outstanding faculty — Rasha Negm, Khaled Eid, Chris Haffner, Noha Shaker, Hisham Arafat, and Ashraf Tawkol. Your expertise, dedication, and mentorship have been pivotal in shaping the next generation of FinTech leaders. We are truly grateful for the lasting impact you've made on our graduates and the FinTech community.

Congratulations to all the graduates for their hard work and dedication! We can't wait to see you transform the future of FinTech.



Nile University Graduation Class of 2024

Congratulations to the exceptional Class of 2024! Your hard work, dedication, and accomplishments have brought you to this proud moment, and we couldn't be more honored. The graduation ceremony was made even more special by the inspiring words of our distinguished guests: H.E. Dr. Mahmoud Mohieldin, Chairman of the Board of Trustees; Dr. Wael Akl, President of Nile University; and our keynote speaker, Eng. Mohamed Aboulnaga, Tech/Al Investor and Entrepreneur. As you embark on this exciting new chapter, we wish you all the best—go forward and make your mark on the world!



Dr. Lobna Said Delivers Keynote at ICME2024 in Belgrade

Dr. Lobna Said, a renowned expert in high-performance computing, was a keynote speaker at the 2nd International Conference on Mathematical Modelling in Mechanics and Engineering (ICME2024), held from September 12-14, 2024, in Belgrade, Serbia. Her talk, titled "Towards High-Speed Energy Efficient Solutions: Hardware Acceleration of High-Performance Computational Applications," addressed critical advancements in computational technologies. The conference gathered international scholars and industry experts to discuss the latest trends and innovations in mathematical modeling, where Dr. Said's keynote highlighted the importance of merging theoretical research with practical, high-speed applications in the field.

Nile University Celebrates the Completion of the Bayt Al-Razzaz Adaptive Reuse Project



Nile University is proud to announce the successful completion of the Adaptive Reuse of Bayt Al-Razzaz project, under the patronage of the Ministry of Tourism and Antiquities and the Egyptian Heritage Rescue Foundation. Led by Dr. Dina Shehayeb, Program Director of the Architecture and Urban Design (ARUD) program at the School of Engineering and Applied Science, in collaboration with Dr. Omniya Abdel Barr, Head of International and Business Development at the Egyptian Heritage Rescue Foundation, this interdisciplinary initiative brought together the School of Business Administration and the School of Engineering and Applied Science. On September 17th, the project showcased innovative adaptive reuse scenarios, integrating business, architecture, and urban development to revitalize Bayt Al-Razzaz at Al-Darb Al- Ahmar. The project also integrated courses from the Business School, including Marketing Research, Brand Management, and Entrepreneurial Finance, under the supervision of Dr. Menna Kaoud, Dr. Noha Alaa, and Dr. Vasilya Sultanova. This collaboration emphasized the importance of multidisciplinary teamwork and preparing well-rounded students to tackle real-world challenges. This event came as part of the Egypt Urban Campaign (EUC); an initiative leading to the World Urban Forum WUF12 organized by UN-Habitat to be held in Cairo. It highlights Nile University's commitment to fostering collaboration and promoting sustainable heritage conservation. We take pride in our students' ability to work across disciplines, creating impactful solutions for the social and economic sustainability of Historic Cairo. These efforts not only benefit the community but also prepare our students for the challenges of the future. We acknowledge the support of our Teaching Assistants teams from both schools: Arch. Sara Sayed, Arch. Israa El Maghraby, Ms. Menna Magdy, Ms. Haidy Hassan, and Ms. Sohad El Nagar.





" Innovative Technologies Shaping the Future of Sustainable Healthcare in Egypt" Event

The "Innovative Technologies Shaping the Future of Sustainable Healthcare in Egypt" event, in collaboration with El Event and MedicaSpace, was an incredibly fruitful and impactful experience! Our audience walked away with groundbreaking insights from sessions covering Digital Transformation, Cybersecurity, Data Management, and Al in Healthcare, all of which emphasized how innovative technologies are revolutionizing patient care and driving healthcare sustainability. The discussions were packed with actionable takeaways that will surely inspire progress across the industry. We extend our heartfelt thanks to our expert speakers for their valuable contributions and to our generous sponsors, Phoenix and HealthInsights, for their unwavering support in making this event a reality. Your involvement ensured this event was a powerful step forward in shaping a more sustainable future for healthcare in Egypt.



Welcome Our Esteemed New Faculty Members

We are thrilled to welcome our esteemed new faculty members! At the recent Faculty Induction event, we celebrated the arrival of these talented individuals, who bring with them expertise, passion, and a commitment to excellence in education. These moments captured the warmth, engaging discussions, and collaborative spirit that define our academic community. We look forward to an exciting journey together, building a brighter future for our students. Wishing our new faculty members, a successful and rewarding experience at Nile University!



Advanced Plant Breeding Technologies to Combat Climate Change: Case Studies in Rice Crop

Classic plant breeding is effective but time-consuming, and with climate change accelerating, it requires support from biotechnological tools for better efficiency. The smart integration of molecular biology should focus on breeding cultivars that meet traditional objectives while addressing new environmental challenges.



Unveiling Climate-Resilient Traits: From Genes to Fields, A Multi-Omics Approach to Breed Crops for a Changing Environment



Climate change poses a significant threat to global food security, with rising temperatures, altered precipitation patterns, and extreme weather events disrupting agricultural systems. The need for crop varieties that can withstand extreme environmental conditions has become increasingly urgent. Traditional breeding methods, while effective, are often time-consuming and limited in their ability to address complex traits like climate resilience. Breeding climate-resilient crop varieties is essential to ensure food security in a changing environment through sustainable food production in the face of these challenges. To address these challenges, breeding climateresilient crops is a critical priority. The advent of multiomics technologies, including genomics, transcriptomics, proteomics, and metabolomics, has opened new avenues for understanding the genetic basis of climate resilience and accelerating the development of climate-smart crops. We will discuss recent advances in high-throughput phenotyping and machine learning techniques that enable the efficient evaluation of crop performance under diverse environmental conditions. Additionally, we will explore the potential of genome editing tools, such as CRISPR-Cas9, to introduce or modify desirable traits in a targeted manner. Recent research aims to bridge the gap between fundamental biological understanding and applied crop improvement. By unraveling the genetic basis of climate resilience, we can develop crops that are better adapted to the changing environment and contribute to a more sustainable and food-secure future.

Employing the multiomics approach to investigate climateresilient traits in crops involving:

• Genome-wide association studies (GWAS) to identify genomic regions associated with traits such as heat tolerance, drought resistance, and salinity tolerance.

• Identification of Genetic Markers for Climate Resilience: By analyzing genetic variation within and among crop species, researchers can identify genetic markers associated with traits such as heat tolerance, drought resistance, and salinity tolerance.

• Understanding Gene Expression Patterns: Transcriptomics studies can reveal how genes are differentially expressed in response to various environmental stresses, providing insights into the molecular mechanisms underlying climate resilience.

• Characterization of Stress Response Proteins: Proteomics can identify proteins involved in stress response pathways, such as those related to heat shock, antioxidant defense, and osmotic adjustment.

 Analysis of Metabolic Adaptations: Metabolomics can help identify metabolic changes that occur in plants under stress, such as the accumulation of osmolytes or the alteration of primary and secondary metabolism. The knowledge gained from multiomics studies can be applied to crop breeding programs to develop climate-resilient varieties. Marker-assisted selection (MAS) can be used to select individuals with desirable genetic markers for climate resilience. Genomic selection (GS) can accelerate breeding cycles by predicting the genetic merit of individuals based on their genomic information. Additionally, insights from multiomics studies can inform the development of gene editing technologies to introduce or modify genes related to climate resilience. Conclusion Multiomics approaches provide a powerful framework for understanding the genetic and molecular basis of climate resilience in crops. By integrating data from multiple levels of biological information, researchers can identify key traits, genes, and pathways involved in stress tolerance. This knowledge can be applied to develop crop varieties that are better equipped to withstand the challenges posed by climate change, ensuring food security for future generations.

Antennas, Microwaves and Radar Technologies for Future Sustainable Applications

"The Wireless Intelligent Network Center (WINC) successfully hosted a workshop focusing on Antennas and Propagation, Microwave Circuits, Radar Systems, and RF Electronics. The event featured over 15 keynote speakers, including distinguished international experts from various institutes.

Key figures such as the President of IEEE-APS and MTT delivered talks on the latest developments in their fields and society activities. The workshop also offered activities tailored for young professionals, promoting networking with industry leaders.

Additionally, WINC presented awards totaling 12,000 EGP for the best MSc/PhD thesis and 7,500 EGP for top undergraduate research within the workshop's themes. Presentations by candidates or their supervisors highlighted the session dedicated to these awards, celebrating exceptional academic work in wireless technologies."



Morkshop Announcement

Antennas, Microwaves, and Radar Technologies for Future Sustainable Applications



Bioremediation of wastewater contaminants: The removal of lead and synthetic dyes

The talk was part of the PRE – COP 29 Webinar – September 10- 11, 2024 – Rising to the Challenge of Climate Change: A Journey of Hope and Commitment: An Inter-Generational Dialogue Organized by International Dryland Development Commission (IDDC) Nizami Ganjavi International Center (NGIC) Regional Action for Climate Change (RACC), STS, Japan African League of Young Masters (ALYM) Hosted by Alexandria University.

Visiting Associate Professor at Japan, University of Hyogo, Graduate School of Information Science

Dr. Ghada Khoriba has accepted an invitation to join Professor Essam Rashed's Research Lab at the University of Hyogo as a Visiting Researcher. This collaboration is part of a research project titled "Interactive Medical Image Diagnosis with Chatbot Assistance," which is supported by the Japan Science and Technology Agency (JST).



SCE Summer Programs for Youth Conclude with Successful Graduation Ceremony

School of Continuing Education (SCE) successfully concluded its Summer Programs for Youth with a vibrant graduation ceremony. The event was attended by a large number of learners, their parents, and distinguished guests, including the Ambassador of Bosnia and Herzegovina to Egypt, the Cultural Attaché of the Syrian Embassy in Egypt, and the First Secretary of the Embassy of Côte d'Ivoire in Egypt.

The graduation ceremony celebrated the achievements of the young participants who completed the various summer programs offered by NUSCE. The event featured inspiring speeches, award presentations, and performances by the learners.

The guests expressed their admiration for the quality of the programs and the dedication of the NUSCE faculty and staff. They highlighted the importance of such initiatives in providing enriching educational experiences for young people.

NUSCE thanked all the participants, parents, and guests for their support and contribution to the success of the Summer Programs.



Visual Quality Assessment for Decision Making in Standardization Projects

Dr. Ghada Ouf participated in a webinar organized by the EURASIP Journal on Image and Video Processing, focusing on "Visual Quality Assessment for Decision Making in Standardization Projects." The webinar, held on September 5, 2024, centered around the critical role of visual quality assessment in the framework of standardization projects, emphasizing how these assessments guide decision-making processes to enhance project outcomes and compliance with industry standards.

AI in Teaching (Sohag)

School of Continuing Education (NUSCE) successfully conducted an Al in Teaching course in Sohag, targeting teachers from various schools in the region. The course aimed to equip educators with the knowledge and skills necessary to integrate artificial intelligence (Al) into their teaching



practices.Participants learned about the fundamentals of AI, including machine learning and natural language processing. They also explored practical applications of AI in education, such as intelligent tutoring systems, personalized learning, and automated grading.

The course provided hands-on training, allowing teachers to experiment with AI tools and create innovative lesson plans that incorporate AI-powered resources. By leveraging AI, teachers can enhance student engagement, personalize learning experiences, and foster a more dynamic and interactive classroom environment.

NUSCE is committed to empowering educators with the latest pedagogical techniques and technologies. The AI in Teaching course is a testament to the school's dedication to providing professional development opportunities that benefit both teachers and students.

SESSIONS,CONFERENCES & WEBINARS



NU Sessions

Economic Impact of Automobile Industry in MENA Region



The paper starts with an overview on how auto industry impacts society, economy, and other industries. Then, it covers the current status of auto industry globally and in the Middle East with a focus on the Turkish, Egyptian, and Moroccan experiences. Successes and setbacks have been outlined. Measures of success will be defined as number of the automobiles produced versus the number imported/exported. Another measure will be the number of jobs created compared to the overall population.

The paper concluded with scenarios of having an incremental growth of auto industry in different Middle East countries. Based on current practices and the Turkish case, an extrapolation of the results will be calculated to predict the impact on society and economy. The paper presents a strategic vision for the institution of auto industry supply chain within most Middle East countries. Different countries can specialize in different components and an integrated supply chain can help in moving parts to multiple assembly plants. The paper suggests technologies that best fit the region and not necessarily copying the manufacturing technology from other countries. The paper proposes extensions and development of current practices in auto industry to add capacity and technology.

University Fairs & Visits FAIRS & VISITS



University Fairs & Visits

August Admissions Made Easy: NU Ambassadors at the Reception and Discovery Tours



Throughout August, the NU Ambassadors team hosted daily discovery tours from 12 PM to 2 PM, helping prospective students explore the opportunities at Nile University. Families enjoyed guided campus tours, met faculty experts, and learned about academic programs and student life. NU Ambassadors were also available at the reception from 9 AM to 4 PM to assist with the admission process, providing valuable support during this important time.

Governorate Tours with BYF

Our journey across Egypt's governorates has been enriching. After visiting Souhag, Menoufeya, and Sharkeya, we concluded our tours in Ismailia, where we met talented prospective students from diverse backgrounds. These fairs offered a dynamic platform to engage with potential NU students and showcased the strength and unity of our growing community.



University Fairs & Visits

EDUgate 15th Edition Fair – Cairo & Alexandria



Over the course of five days, the EDUgate Fair was a collaborative effort involving NU Ambassadors, the Marketing Team, the Student Life Office, the SEEC Office, and faculty experts. This event engaged high school students and their families by presenting NU's programs, answering questions, and showcasing the wide range of opportunities available to prospective students.

Open House: Applicant Today, NUian Tomorrow!

Akeyhighlight of the student recruitment season, held immediately after the announcement of Thanaweya Amma results, our Open House invited prospective students and their parents to experience NU firsthand. The event featured one-on-one sessions with faculty members including our new school of EEE, Q & A with the admissions team, and an immersive campus tour led by NU ambassadors, offering a comprehensive introduction to life at NU.



University Fairs & Visits

Final Open House – Featuring ما وراء Dr. Mohamed Elshorbagy's Inspiring Talk: "Sneak Peek into University Life"



This event was a perfect culmination of the student recruitment season, featuring not only interested students but also NU applicants were invited to attend. Dr. Mohamed Elshorbagy's insightful talk provided an exciting glimpse onto the realities of university life, leaving attendees both informed and inspired.

STUDENT LIFE



Students Achievements: Mohamed Saad was awarded "Best Organizer Volunteer" at the prestigious International Olympiad in Informatics in Alexandria



A huge shoutout to our amazing NU Ambassador, Mohamed Saad, for being awarded "Best Organizer Volunteer" at the prestigious International Olympiad in Informatics in Alexandria!

Among 220 volunteers from around the world, Saad stood out and made us proud. The event brought together participants from 97 countries, and Mohamed's dedication shone through.

As always, Saad is a driving force in our student recruitment team, and we can't wait to see all the amazing things he'll accomplish next. Best of luck Saad.

Student Life E-Club: E-Gnite Event



E-Gnite, organized by NU E-Club, was a remarkable event aimed at nurturing entrepreneurship among young innovators. The event kicked off with an engaging opening ceremony, attended by over 450 students, entrepreneurs, and industry leaders. Inspirational talks and panel discussions created an energetic start, encouraging participants to dive into the world of entrepreneurship.

Following the opening, 173 attendees participated in a three-day BootCamp, where they received training in team building, ideation, communication arts, Business Model Canvas, and pitching. From this intense program, 42 teams were formed, each developing innovative startup ideas.

On the final day, the top 17 teams competed in the E-Gnite competition, presenting their ideas to a panel of judges. The competition concluded with three winning teams: Eco Decoration (1st place), Sip'n'Crunch (2nd place), and CMT (3rd place), sharing a prize pool of 45,000 EGP. E-Gnite was a resounding success, showcasing the creativity and entrepreneurial talent at Nile University.

NU E-Club Closes Season 3 with Extraordinary Success



NU E-Club has successfully concluded its Season 3, marking a year filled with impactful events and initiatives. The season saw the participation of over 1,200 attendees across various activities aimed at fostering entrepreneurship and innovation. Key highlights include the highly successful E-Gnite event, which brought together aspiring entrepreneurs for a transformative journey of training and competition, as well as Youth Entrepreneurs Day, where over 420 participants engaged in success stories, panel discussions, and networking opportunities.

Throughout the season, the NU E-Club team also organized several workshops, covering essential entrepreneurial skills such as pitching, business modeling, and ideation. The club provided a platform for students to connect with industry leaders, enhance their entrepreneurial abilities, and bring their innovative ideas to life.

As Season 3 closes, NU E-Club celebrates its achievements, thanks to the dedication and hard work of its team, and looks forward to continuing its mission of empowering young entrepreneurs in the future.

RPM: End of 2023-2024 Season Chapter



They are thrilled to announce the successful conclusion of a remarkable season filled with achievements. This season, they participated in three major competitions, including the Ever Rally Car Competition in Egypt, where we secured third place in the acceleration race. they also made history in the CANSAT competition as the first team from the Middle East and Africa to reach the finals, placing us among the top 20 teams worldwide. Additionally, they are actively participating in the ongoing Minesweeper competition.

Alongside these events, they hosted two robotics academies, engaging over 200 students with 80 hours of courses in Control, Electronics, and SolidWorks. The final projects from 70 students were truly outstanding. They are also working on launching their website to share all our exciting updates, so stay tuned! Special thanks to their mentor, Dr. Kareem Noureldin, and everyone who supported us this season. Here's to more successes ahead.

SU New Board Introducing the new leadership of Nile University Student Union:

President: Ahmed Zaky Vice President: Aser Kahky Secretary: Nour Ayman Treasurer: Adham Ahmed Project Manager: Mohab Hegazy





NU Events: Freshmen Orientation at Nile University

Nile University recently hosted a two-day Freshmen Orientation, welcoming new students to their exciting journey. The first day was dedicated to the Engineering and Business schools, while the second day focused on the ITCS and Bio-tech schools. Both days were filled with fun, joy, and valuable information to help students transition smoothly into this new chapter of their academic lives.

A special thank you goes to Ahmed Sameh, founder of Emmkan and an expert in mental health and relationships, for being our inspiring speaker. His insights were truly appreciated by all. We also extend our gratitude to the Student Union for their tremendous help in supporting the new students and making the activities enjoyable.

A heartfelt thanks to Mrs. Asmaa and her ambassadors for their exceptional organization and activities, which added so much joy to the day. We also thank the SEEC and Registrar Office for providing crucial information to guide students as they begin their university experience.



ALUMNI



Welcoming the New President of the NU Alumni Association

We are delighted to announce that Muhammad Ahmed Taha Abushahba has been elected as the new President of the Nile University Alumni Association following the final round of voting. Muhammad, a proud 2020 graduate of the School of Engineering and Applied Sciences, with a focus on Industrial Engineering, has consistently demonstrated his passion and commitment to our community. We are confident that his leadership will bring tremendous value to our alumni network.

The Nile University Alumni Association aims to foster a strong network among our graduates, providing opportunities for professional development, mentorship, and community engagement. Through various initiatives, we strive to support our alumni in their careers and encourage them to give back to the university and current students.

As President, Muhammad will be instrumental in advancing these goals. He will spearhead efforts to strengthen our connections, organize impactful events, and enhance engagement within the alumni community. His vision and dedication will play a vital role in shaping the future of the association.

Please join us in congratulating Muhammad and offering him your support as he embarks on this important new journey!



Alumni Association President

Alumni Spotlight: Ali Mostafa Leading the Future of Al at e& Egypt

We are proud to celebrate the incredible journey of Ali Mostafa, one of our standout postgraduate alumni, who has recently been promoted to Commercial Al & Advanced Analytics Lead Manager at e& Egypt!

Ali graduated with a Master's degree in Informatics in 2022 and had already showcased his expertise early on by earning a Diploma in Big Data & Machine Learning in 2019. His rapid ascent in the world of Al and analytics highlights his commitment to pushing boundaries and staying at the forefront of technological innovation.

At e& Egypt, Ali will now spearhead key Al-driven initiatives, leveraging advanced analytics to transform business operations and drive impactful results. His leadership in this dynamic field is sure to pave the way for future advancements and solidify his role as a leading figure in the tech industry.

We couldn't be prouder of Ali's achievements and look forward to seeing the remarkable influence he will have in shaping the future of Al and analytics.



Alumni Spotlight: Amr Ibrahim's Journey from SDAIA to Senior DevOps Engineer at Awaed

We are excited to shine a spotlight on Amr Ibrahim, a distinguished 2023 graduate with a master's degree in software engineering. Amr has recently taken up the role of Senior DevOps Engineer at Awaed, marking another milestone in his impressive career. Prior to this, he excelled as a Senior DevOps Engineer / Site Reliability Engineer (SRE) at SDAIA, where he spent a year making significant contributions in the tech landscape.

Amr's journey is a true reflection of his dedication and the skills he honed at Nile University. His transition from SDAIA to Awaed demonstrates his continued growth and the expanding influence of NU alumni in the tech industry.



Alumni Spotlight: Omar Khaled from NU to PepsiCo

We are proud to feature Omar Khaled, a recent 2024 graduate with a bachelor's degree in business administration, majoring in Operations and Supply Chain, for his remarkable achievement of joining PepsiCo as a Supply Chain Fleet Senior Associate. Omar's dedication to his field and passion for logistics have been key to his success in securing this exciting role with a global industry leader.

Omar's journey is a testament to the strength of our Business Administration program, equipping graduates with the skills and knowledge needed to excel in today's competitive business landscape. His role at PepsiCo marks the beginning of an exciting career, and we are confident he will continue to make a significant impact in the supply chain industry.



PUBLICATIONS



Publications on Scopus during August 2024





Decision Support Framework for the Choice of Deby Analysis Techniques Used in Extension of Time Claims

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Machine learning based identification potential feature genes for prediction of drug efficacy in nonalcoholic steatohepatitis animal model

NU Authors: Abdelrahman Khaled Source: Lipids in Health and Disease

Real-time facial emotion recognition model based on kernel autoencoder and convolutional neural network for autism children NU Authors: Zainab Hassan Ali

Decision Support Framework for the Choice of Delay Analysis Techniques Used in Extension of Time Claims NU Authors: Emad S.Bakhoum

Source: Journal of Legal Affairs and Dispute Resolution in Engineering and Construction

Transforming Cybersecurity: Leveraging Blockchain for Enhanced Threat Intelligence Sharing

NU Authors: Ahmed El-Kosairy, Heba Kamal Aslan, Nashwa Abdelbaki Source: International Journal of Safety and Security Engineering

Revolutionizing Tomato Cultivation: CRISPR/Cas9 Mediated Biotic Stress Resistance

NU Authors: Abdelrahman Shawky, Abdulrahman Hatawsh, Nabil Al-Saadi, Nour Eltawy, Mariz Francis, Sara Abousamra, Yomna Y. Ismail, Mohamed Abdelrahman

Source: Plants

Enhancing mechanical properties of AI-Zn-Mg-Cu alloys: The impact of high strain rate compression and subsequent heat treatment on microstructural evolution

NU Authors: Irene Samy Fahim, Mohamed A. Afifi, Maryam Hamdy Source: Materials Today Communications

Enhancing Mobile Ad Hoc Network Security: An Anomaly Detection Approach Using Support Vector Machine for Black-Hole Attack Detection

NU Authors: Ashraf Abdelhamid Abdallah, Heba Aslan, Marianne A. Azer Abdallah

Source: International Journal of Safety and Security Engineering

NU Publications on Scopus during September 2024



Identification of Candidate Genes for Rice Nitrogen Use Efficiency by Genome-wide Association Analysis NU Authors: Hazman Mohamed Source: Chinese Journal of Rice Science



Multi-omics-based Machine Learning for the Subtype Classification of Breast Cancer NU Authors: Mai S.Mabrouk

Source: Arabian Journal for Science and Engineering



Novel concept-based image captioning models using LSTM and multiencoder transformer architecture NU Authors: Mohamed A. Wahby Shalaby Source: Scientific Reports



Pirates at ArabicNLU2024: Enhancing Arabic Word Sense Disambiguation using Transformer-Based Approaches NU Authors: Tasneem Wael, Sahar Selim, Ghada Ahmed Khoriba Source: ArabicNLP 2024 - 2nd Arabic Natural Language Processing Conference, Proceedings of the Conference



Study on the microstructure, mechanical and corrosion behaviors of 2A12 AI matrix composites containing B4C and 50% K2TiF6 f lux NU Authors: Mohamed A. Afifi

Source: Materials Science and Technology (United Kingdom)



Telecom Tower Stability Monitoring System: Integration of Environmental Sensors for Structural Health Assessment NU Authors: Irene Samy Fahim, Mohamed Tawfik, Tawfik Ismail Source: International Conference on Transparent Optical Networks



On the Behavior of a Non-Linear Bandpass Filter with Self Voltage-Controlled Resistors NU Authors: Ahmed S. Elwakil Source: Electronics (Switzerland)