



Institute of Electrical and Electronic Engineers (IEEE) - SUDAN Subsection
جمعية مهندسي الكهرباء والالكترونيات - فرع السودان

Khartoum, Sudan

P.O BOX 7215

Feb 2024

IEEE Sudan Office Activities for The Year 2022

January:

Launching the “Rateena” initiative, a youth initiative sponsored by the IEEE Sudan office, which aims mainly to provide energy for schools that suffer from electricity problems. A small school in East Nile, Khartoum, was chosen to install a photovoltaic system.

February:

All student branches in Sudan were contacted, regulations and laws were written, and all data for each branch were collected.

March:

1. A unified organizational structure has been worked on for all branches (and there is an attached file explaining the new structure).
2. Periodic meetings have been set with the branches.

April:

Initial planning of the SSYP conference concerned with the fourth industrial revolution was carried out, and it was approved to be held, and all branches participated in the conceptualization and preparation of the event.

May:

1. PES Event:

The PES program for the current year 2022 was held from May 6 to May 10, with the participation of volunteers from various student branches as organizers and coordinators of the program and under the supervision of the IEEE SUDAN office. The period of the program was 5 days, which consisted of 4 days online via the Zoom application and a live broadcast on the Facebook page, and the final day was offline in Al-Turabi Hall at the University of Khartoum. A number of topics were presented in the program in the fields of power and energy, in the form of various workshops, discussions and sessions, which he participated in presenting. A number of professors and engineers from different sectors and electricity companies in Sudan.

Day	Date	Place		
Day 1	May 6	Online	Distributed Generation	Dr.Samah
Day 2	May 7	Online	Hybrid Systems	Prof.Karrar
Day 3	May 8	Online	Power Generation	Eng. Osman Bashir
			Discussion: Job Opportunity and Trend in Power Field	Eng. Omer Abbas Eng. Bahaaldin Ahmed.
Day 4	May 9	Online	Transmission Line	Eng.Awab Elwasila
			Load Flow	Eng.Abdulrahmqn saif
			Distribution	Eng. Yassir Ahmed
Day 5	May 10	University of Khartoum Turabi Hall	Protection	Eng. Khalid Diab.
			Stability	Eng. Israa salih.
			Sudan National Grid Problems and Solutions	Eng. Mohammed Elameen

Link: <https://2u.pw/Y5ta7X> <https://2u.pw/UpABRr>

2. OUT REACH EVENTS in the various student branches to achieve the organization's access to a broader fan base in preparation for the SSYP conference:

Date	Place	Organizer
May 26th	University of Gezira	University of Gezira Branch
May 30th	Garden City University	IEEE Sudan +Al-Neelain University Branch

Links: <https://2u.pw/mVEdaP>

<https://2u.pw/MbDkMp>

- Participate in The IEEE R8 SYP CONGRESS organized by IEEE INSAT student branch. The students and young professionals congress, SYP, is the largest event organized by IEEE region 8. It occurs every two years and gathers both students and young professionals from all Sections in this Region. The SYP 2022 was held in Tunisia. There were seven delegates from Sudan as shown below:

No.	Name	Student Branch
1	Omnia Abdelrahman Mohamed Alhair	University of Khartoum
2	Noha Adil Hassan Mahgoob	University of Khartoum
3	Neemat Abdelrahim Abdelkarim Abdelrahman	Sudan University of Sciences and Technology
4	Ahmed Jaafer Othman	Sudan University of Sciences and Technology
5	Eiman Abdelgadir Alhassan Ahmed	Sudan University of Sciences and Technology
6	Walaa Abdelmoniem Mohamed Ahmed	University of Gezira
7	Hamed Mohamed Alameen Hamed Alameen	University of Gezira

- Partnership with the capsule platform for e-learning, and providing all courses for free to the volunteers of the association in all parts of Sudan.

Link: <https://2u.pw/H4kOog>

June:

- The General Assembly meeting was held and a new committee was identified.
- The OUT REACH event continued as follows:

Date	Place	Organizer
June 2	Al Noor College	IEEE Sudan +University of Gezira Branch
June 9 th	Academy of Medical Sciences and Engineering	IEEE Sudan +Jordan University Branch
June 15 th	Technology University	IEEE Sudan +Al-Zaeem Al-Azhari University branch
June 20 th	University of Expatriates	IEEE Sudan +Sudan University of Science and Technology Branch
June 22 nd	University of Science and Technology	IEEE Sudan +Khartoum University Branch

July:

1. The preparations for the SSYP conference have been completed and the progress of the delegated teams has been followed up.

Link: <https://2u.pw/7ka46W>

2. The OUT REACH event continued as follows:

Date	Place	Organizer
June 23	Sudan International University	Sudan University of Science and Technology Branch +IEEE Sudan

August:

The SSYP conference was held in the Communications Tower, on Thursday, August 18th, and the conference lasted for three consecutive days until Saturday, August 20th, and was as follows:

Day		
Day 1	The opening day of the conference was in the presence of many distinguished personalities in the technical and technological field, and some topics related to the fourth industrial revolution were talked about by a group of volunteers attending the conference in Tunisia	<p>"A story of a life change" the impact of the 4th industrial revolution in different areas - Mohammed Abuali</p> <p>SYP Tunisia experience</p>
	Sessions	<p>NFT / Web 3.0 technology - Togod Omer Adam</p> <p>Smart wireless sensor networks - Ali Maher</p>
Day 2	Workshop	Cryptocurrency the future of money - Ziad Zoalnoon
	Debates	<p>IOT security</p> <p>Robotics</p>
	Discussion panel	Present -Network - future
	Also, the exhibition section was opened, such as the smart city, virtual reality games, the youth projects exhibition section, and other interactive exhibitions interested in communicating the idea of the Fourth Industrial Revolution.	
Day 3	Sessions	<p>Why do we need Ethics in AI? - Tarig Ahmed Khalid.</p> <p>Virtual/Augmented Reality in life - Abdulsalam Elhaj.</p>
	Workshop	AI - Dr.Zainab.
	Discussion Panel	Metaverse

Links: <https://2u.pw/mz9sHP> <https://2u.pw/FVuOck> <https://2u.pw/V9UTst>

There were many companies and entities that attended with exhibitions and were main sponsors such as:

- A- Syber Technology : Online Payment Solutions & Digital Services. **link:** (<https://web.syberpay.com/>)
- B- Kpsolla : Through the Kpsolla platform, you can access a group of academic and professional courses and courses in partnership with distinguished academic, professional, and companies experts.
Link: <https://kpsolla.com/>
- C- Kuwaitia Sudanese holding: KSHC offers a wide spectrum of ICT services and is always extending it's portfolio by a combination of In-House Capabilities and strong strategic partnerships
Link: <https://kwsdholding.com/>
- D- Qomra f.
- E- Telecommunications and post regulatory authority: **Link:** <https://tpra.gov.sd/en/>
- F- Ministry of telecommunications
- G- National authority for digital transformation

October:

1. IEEE Day

On the 8th of October, a bazaar was held in cooperation with the Takaful Charity Association in the Faculty of Engineering, in the buildings of the Electrical Engineering Department.

Links: <https://2u.pw/5t8XgR> <https://2u.pw/8wCraX>

2. Arab Science Week) IEEE Sudan ASW (

Arab Science Week is an annual celebration of science and technology in the MENA region, aiming at stimulating curiosity to encourage learning. It covers a broad spectrum of interesting science topics and the intersection of science and other aspects of life.

The second edition of Arab Science Week shall take place this year from October 15th to 25th under the theme 'For a sustainable future'. The new edition launches with the purpose of discovering the sciences of the future and its challenges, with an insight on how to overcome them, through a number of simplified educational, yet entertaining, activities in all fields of science and technology.

The IEEE held its activities on the 18th, 19th, 20th ,21st and 22nd of October 2022 as shown below.

Date	time	Type	Activity	Speaker
Day1, Mashreq University (18/10/20 22)	Topic: The Fourth Industrial Revolution			
	10:00-1 1:00	Simplified scientific lecture	The Fourth Industrial Revolution	Ms. Fatima merghani
	11:30 - 12:30	Simplified scientific lecture	Artificial Intelligence and Robotics	Dr. Amin
	13:30-1 4:30	Simplified scientific lecture	3D vs. 4D printing	Reem
	15:00 -16:00	Simplified scientific lecture	Everything You Need to Know about The Internet of Things (IoT)	Azza Faisal
	16:30 -17:30	Simplified scientific lecture	Augmented Reality (AR) and Virtual Reality (VR)	Mr. Hamza
Day2, Alzaim Alazhari, (19/10/20 22)	topic: Scaling fourth industrial revolution for global goals			
	16:30-1 7:30	Simplified scientific lecture	Accelerating Sustainable Development in the 4th Industrial Revolution era	Mohamed Mahjoob
	18:00-1 9:00	Simplified scientific lecture	Jobs of the Future: What deserves your attention?	Eng. Tarig Hassan
Day3, Sudan University, (20/10/20 22)	Entrepreneurship and innovation in E-Business			
	11:00-1 2:00	workshop	What is Digital Marketing?	Mohamed Alnos
	13:00-1 4:00	Other	A Day in the Life of An Entrepreuner	Safia Mohamed

	16:00-1 7:00	Open day	IEEE (Entrepreneurship)	Ms. Neemat abdelrahi m
	17:00-1 8:00	Simplified scientific lecture	E-Commerce industry and its impact on the world today	Omer ghanim
	19:30-2 1:00	Discussion panel	Blockchain and Cryptocurrency	Eng. Ziad Zoalnoon
Day4,	Topic: Medicine 4.0			
University of Gezira, (22/10/20 22)	11:00-1 2:00	Simplified scientific lecture	Medicine 4.0	Dr. Mazin Mukhtar Hamad
	13:00-1 4:00	Simplified scientific lecture	Wearable devices and IOT	Dr sohaila Mohiieldin
	15:00-1 7:00	Simplified scientific lecture	Brain-Computer Interface technology in Biomedical Engineering	Eng. Salma Mahgoub Hussein
	17:30-1 8:30	Discussion	Implementation of Virtual Reality Technology in Medical Education	Eng Ahmed Nadeem
	18:30-1 9:15	Workshop	The Use of Nanotechnology and Nano Robots in Medicine	Dr. Tarik
	19:15-2 0:15	Simplified scientific lecture	Sudan Experience in Assistive technology and Rehabilitation	Dr. Nehad
	20:15-2 1:15	Simplified scientific lecture	Automation and Innovation in Histopathology	Prof. Ahmed Abdallah

Day5, Alneelain University, 23/10/202 2	Topic: IEEE Sudan			
	10:00-1 1:00	Talk show interview	IEEE Sudan and IEEEExtreme	Hawaa Bashier
	14:00-1 5:00	other	IEEEEXTREME Competition: Live	Rawnaq Aamir
	16:00-1 7:00	Talk show interview	IEEE Sudan achievements and the SSYP Experience IEEE Sudan	Fatima Merghani
	18:00-1 9:00	workshop	Competitive Programming Workshop	Abdallah Hassan

3. IEEEExtreme:

IEEE Sudan participated in the IEEEExtreme Global Challenge, which was held on 25 October to develop solutions to a set of software problems where one of university of Khartoum students ranked in the **Top 100** among the world.

Links: <https://2u.pw/cNxYcb> <https://2u.pw/ueBkPi>

November:

Entrepreneurship Week event with GIAD:

Entrepreneurship Week Hackathon: This week's event brings together the technical entrepreneur community, fosters collaboration and innovation, as well as provide encouragement and skill-building to the entrepreneurs looking to make their mark. Among 9 university contestants will compete within their university contestant will compute within them. Hackathon Track: Education, Health, Industry, Security, Business, Entertainment, and Tourism. Target Groups: Students, Graduates, or Entrepreneurs in The Field of Engineering or Technology.

Links: <https://2u.pw/x0tj9C> <https://2u.pw/On93ZC> <https://2u.pw/RHfuof>
<https://2u.pw/aZnvFR>

December:

1. Participate in IEEE AFE (Industry Action) organized by IEEE Kenya Section and IEEE action for Industry, on the 1st and 2nd of December.
2. Participate in IEEE Global Conference on Artificial Intelligence & Internet of Things 2022, from 18th to 21st of December.

IEEE Sudan Office Activities for The Year 2023

▪ January _ April

1. ICCCEEE

- a. Call for Papers / January
- b. Series of Posts/ March
- c. Call for Volunteers/ April
- d. Awareness Workshop by Prof. Sharief F Babikir / April

2. IEEE PES

- a. Ambassadors Participating & Organizing Committees planning and awareness/ April.

▪ September

Live Session about Introduction to IEEE Industrial Electronics Society by Eng. Ala Chalghaf.

▪ October

1. IEEE Day event 2023

- Live session about IEEE Memberships by Eng. Ahmed Abubaker
- IEEE Sudan Volunteers participate in sharing a memory.
- Workshop about Make your way to Mars Workshop- IEEE MESYP Event by Eng. Montaser Saifaldeen and Eng. Shatha Abueljebain.

2. IEEE Extreme 17.0 2023

▪ November and December

Partnership with orientation centre as training partner for Codeavour.

- Ambassador's participation in all events (PES,IAS,IES,AFI)

- Travels...

- Participation in Power for Africa in Morocco PAC 2023 and
- Participation in Central European Students and Young Professional
- Participation in African Students and Young Professional ASYP in Nigeria
- Participation in North African Students and Young Professional NASYP in Egypt

Note:

- Due to ongoing war a lot of activities that have been planned for the year 2023 has been postponed due to the challenging time.
- One of the most significant achievements post-pandemic, beginning in 2021 and continually evolving, is the establishment of a digitalized system. This system revolutionises the registration and payment processes, generating codes and certificates seamlessly. Additionally, it enables verification of these certificates via unique URLs generated within the system. These certificates encompass various aspects such as workshop or event attendance, student branch participation, experience certificates, and recommendations. Further details about the system can be requested.
- A similar system is created for the volunteers evaluation and activity hence effecting their validity for a certificate warnings or so.

IEEE Sudan Office Activities for The Year 2024

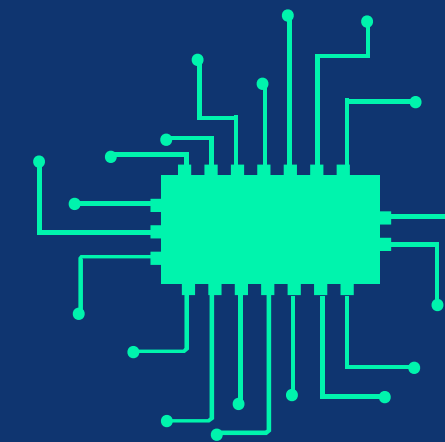
● January-February:

Documentation of teams and restructuring of teams and board members ,preparation for elections,step down of prof sharif,nomination of new chair .

Initiate the work for several projects by program team to help sudan situation dedicated towards kids.

- Partnership or becoming one of pilots for IEEEYESIST 12.

Alot is planned for the year head hoping to help our country youth and kids as much as we can.



IEEE-SUDAN SUBSECTION

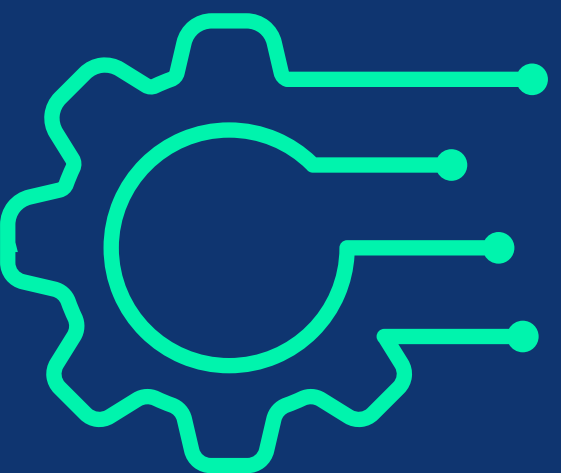
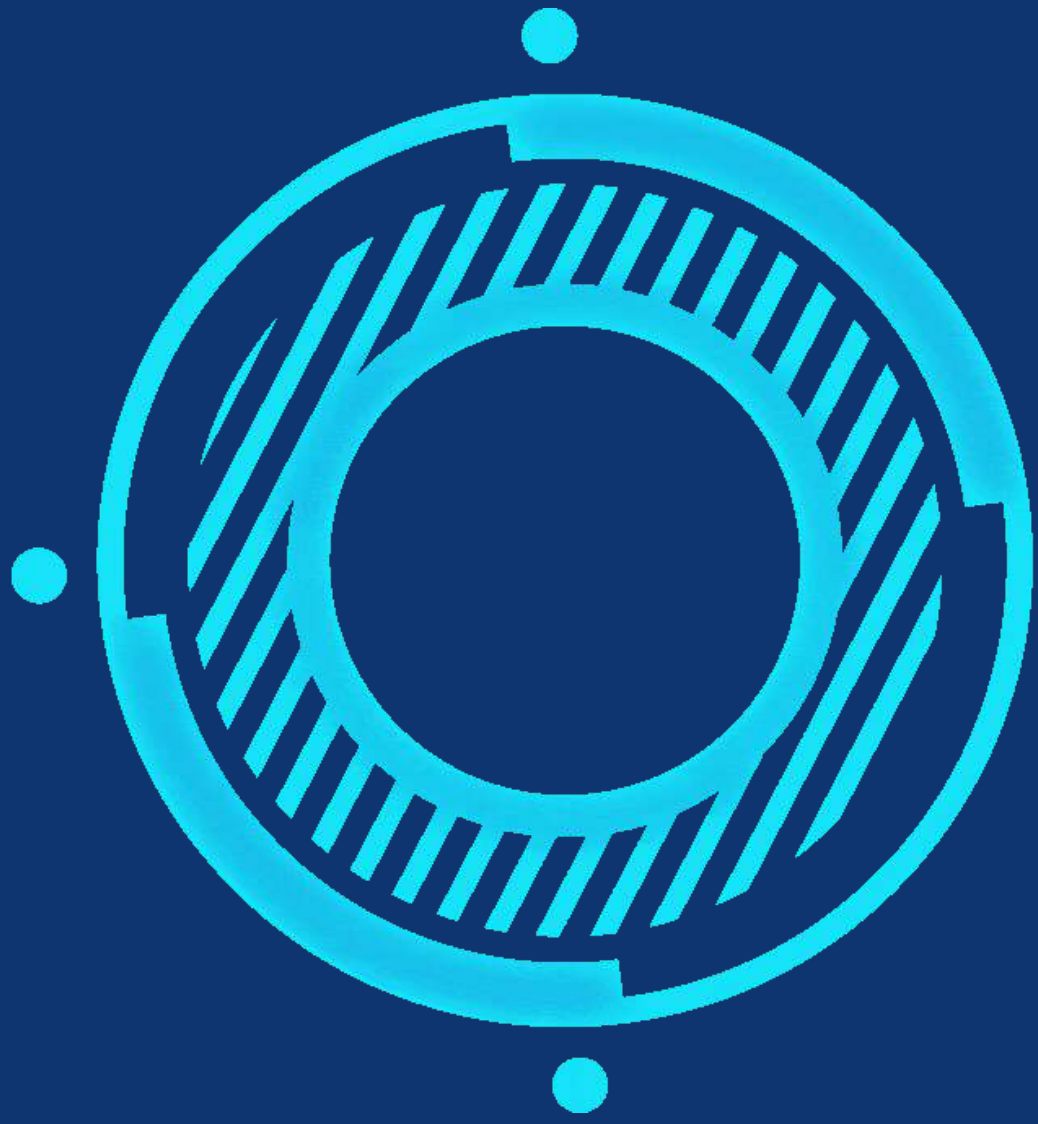




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INTRODUCTION



IEEE HISTORY

1882

American Institute of Electrical
Engineers AIEE



Alexander Bell



Thomas
Edison

1912

INSTITUTE OF RADIO ENGINEERS IRE

1963

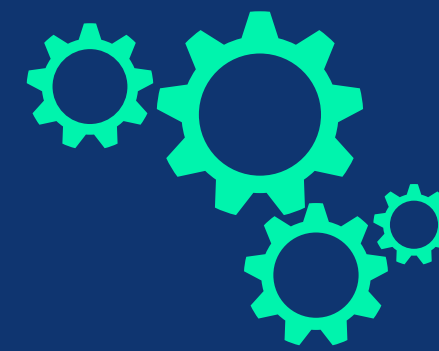
INSTITUTE OF ELECTRICAL AND
ELECTRONIC ENGINEERS



Celebrating 125 Years
of Engineering the Future



IEEE



The Institute of Electrical and Electronics Engineers-IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity, with more than 423,000 members in over 160 countries around the world. It is designed to serve professionals involved in all aspects of the electrical, electronic and computing fields and related areas of science and technology that underlie modern civilization.



+420K

Members



190

Countries



+5 M

Articles



1,200

Standards



2,000/year

Conference



340

Sections





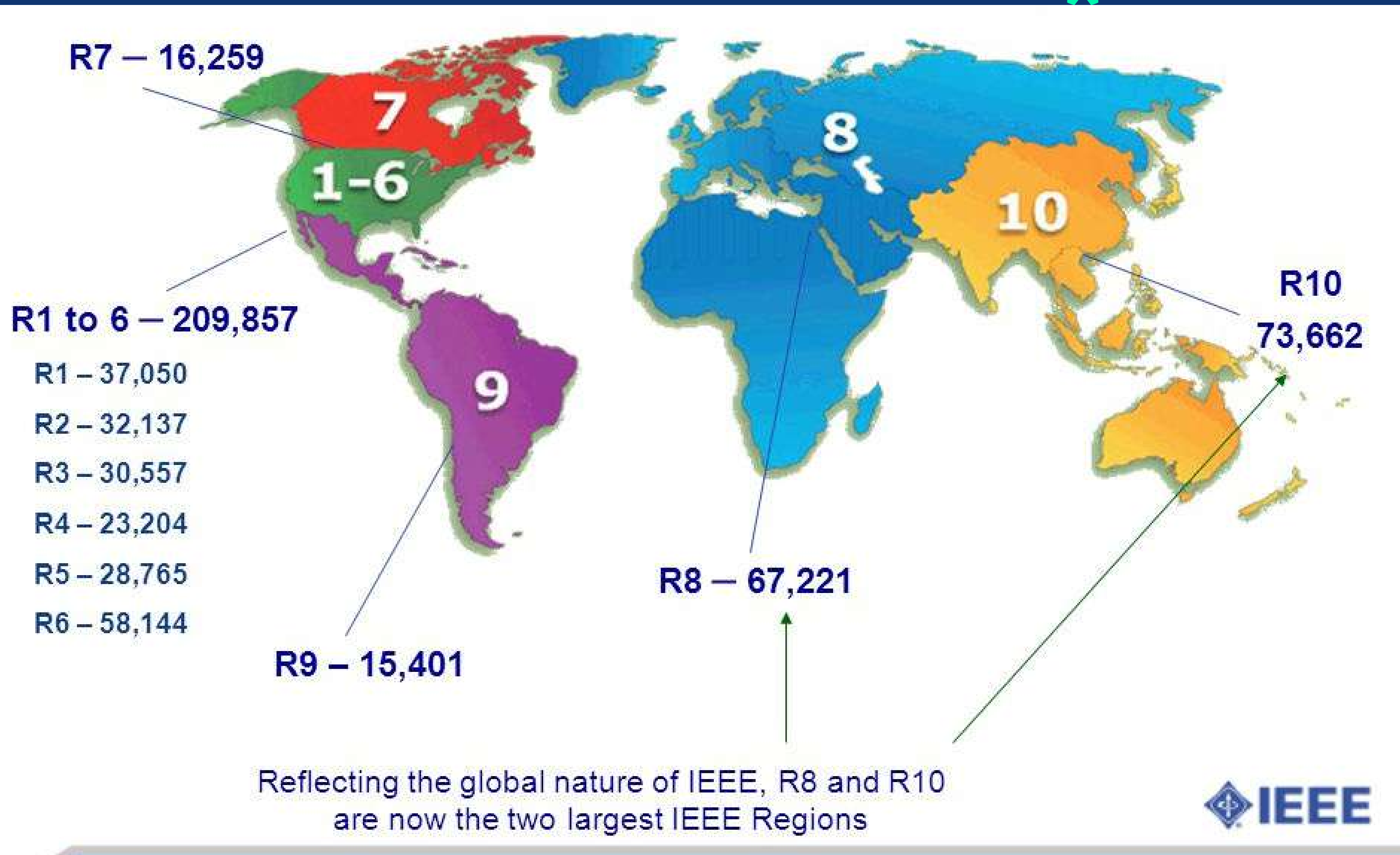
IEEE Structure



IEEE is organized into:

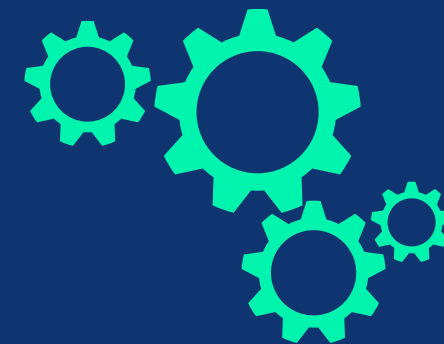
- **Local sections** within **geographic** regions
- **Chapters** comprised of local members with similar technical interests
- **Societies** and **technical councils** that compose technical divisions
- **Student branches** at colleges and universities around the world
- **Student branch** chapters; and **affinity groups**

IEEE Regions





IEEE-Sudan Subsection



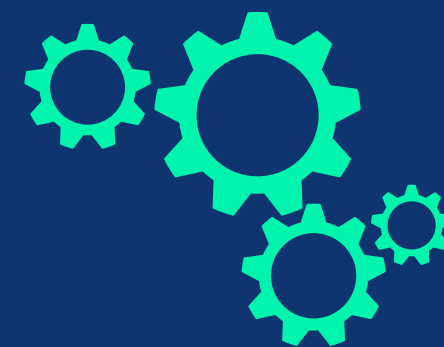
IEEE SUDAN was established in 2011 by its current chair Professor Dr. Sharif F. Babiier and 12 other professional members.

Since its founding it was able to maintain a community of researchers, engineers and enterpreneurs





IEEE-Sudan Subsection



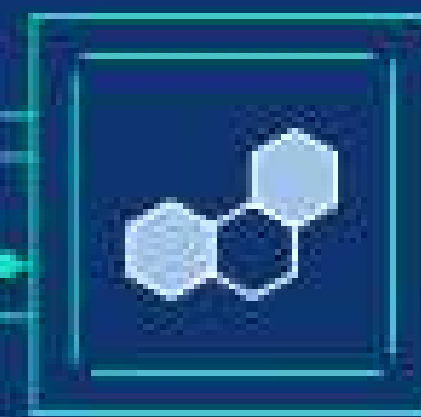
KNOWLEDGE

Staying current with the fast changing world of technology



PROFESSION

Empowering members to build and own their careers, mentoring, making the world a better place

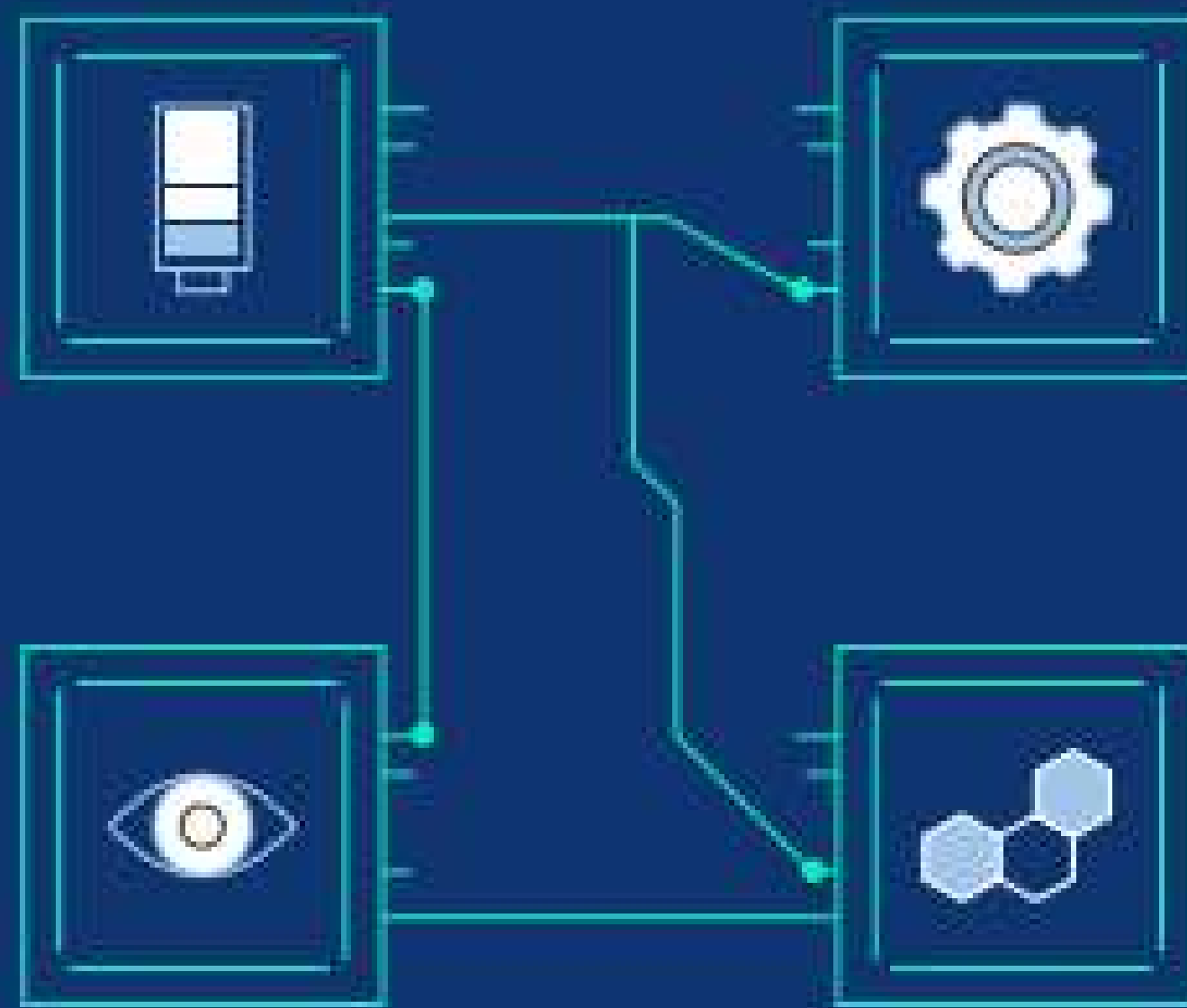


GLOBAL COMMUNITY

Local and global activities, unparalleled networking opportunities, members-only discounts, electing IEEE leadership

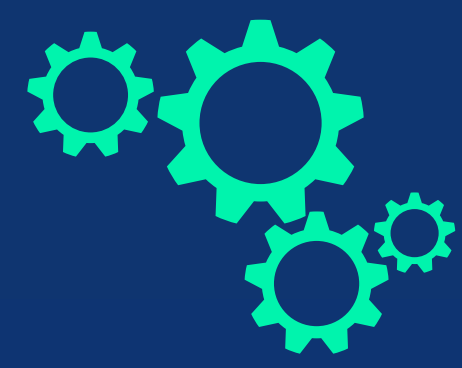
TRUSTED VOICE

IEEE is a trusted name in print and online resources for various technology areas





IEEE-Sudan Subsection



جامعة الشرق الأوسط
Mashreq University

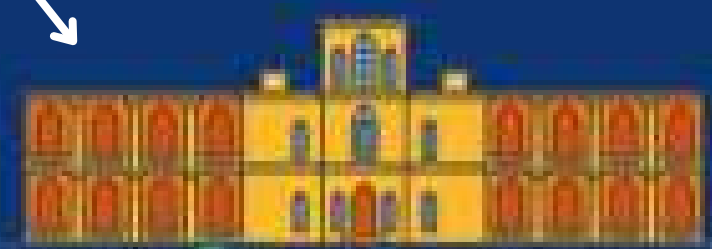


University Of Technology

 **UMST**

University of Medical Sciences and Technology


Al-Nileen University



Sudan University for Science and Technology

AlGezira University

Jordarian Sudanese College

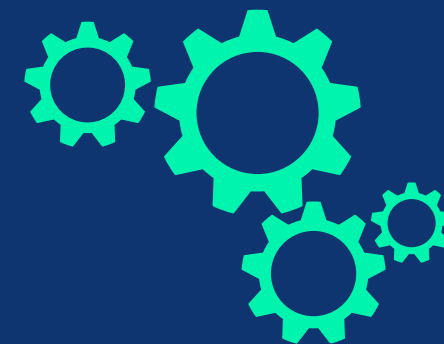
Alzaeem Alazhari University

University Of Khartoum





IEEE-Sudan Subsection



1

Microsoft Session

2

Cloud Computing

3

Software Engineering

4

5G Technology

5

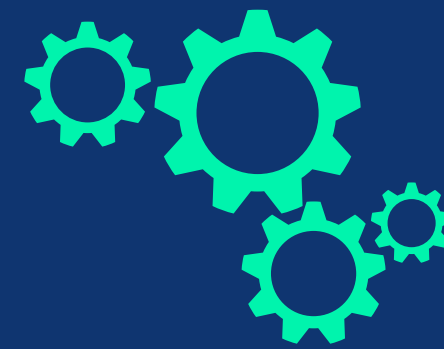
How to write scientific paper

6

Big Data & Internet of Things (IOT)

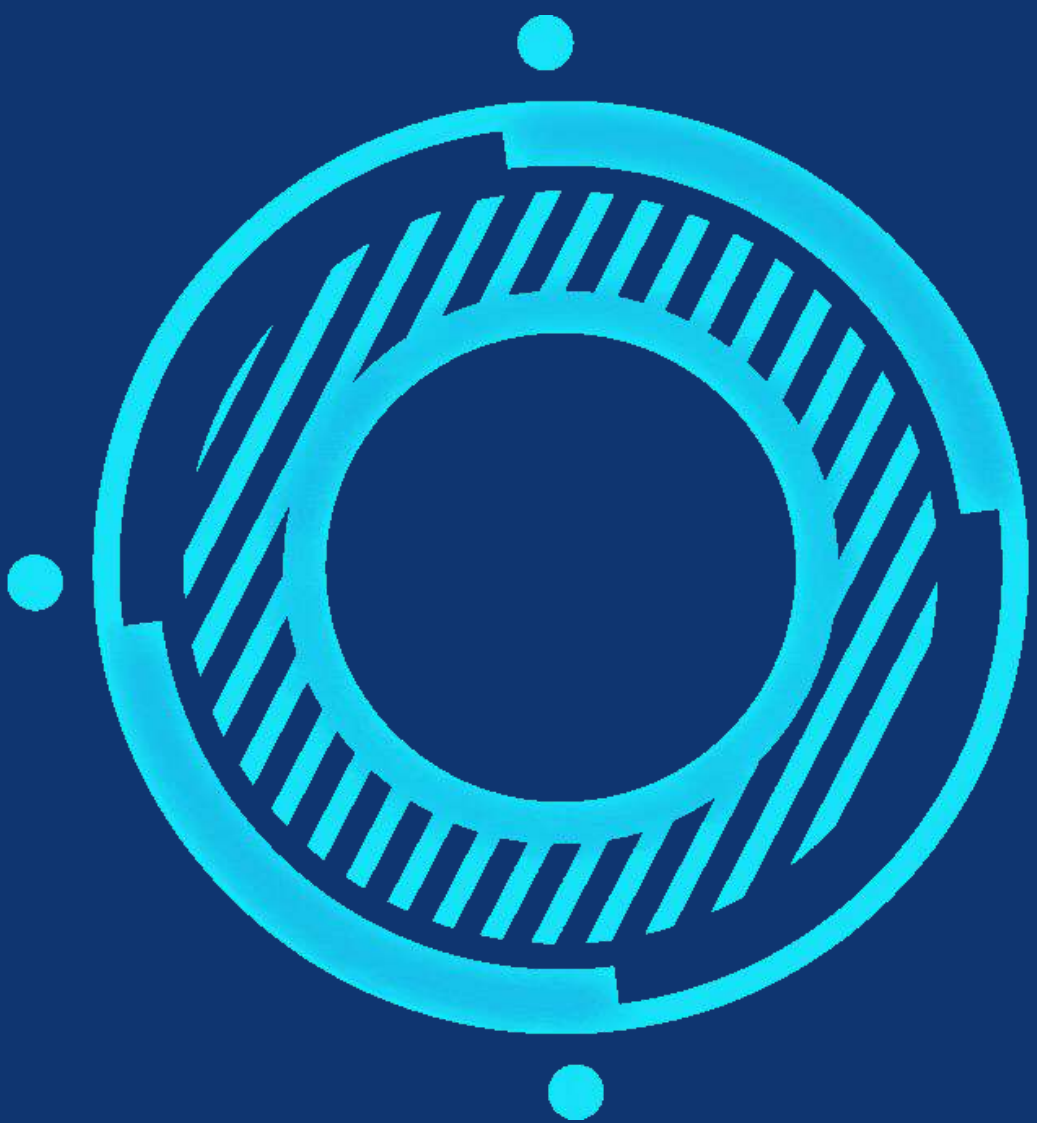


IEEE-Sudan Subsection



- 7 Self Development
- 8 Machine Learning
- 9 Python in Bioinformatics
- 10 Data Analysis
- 11 How to make a business Model

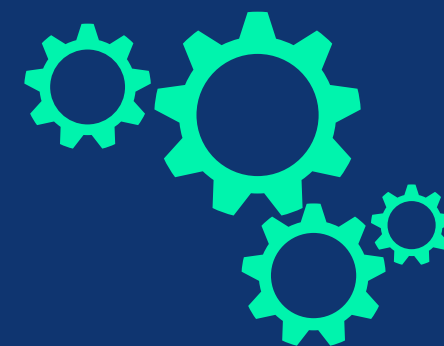
AND MANY MORE



• Main EVENTS



ANNUAL EVENTS



24 AUG
IEEE Day

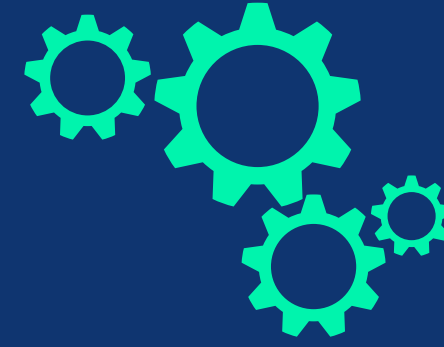
1 OCT

IEEE Enterpeneurship Intiatiave

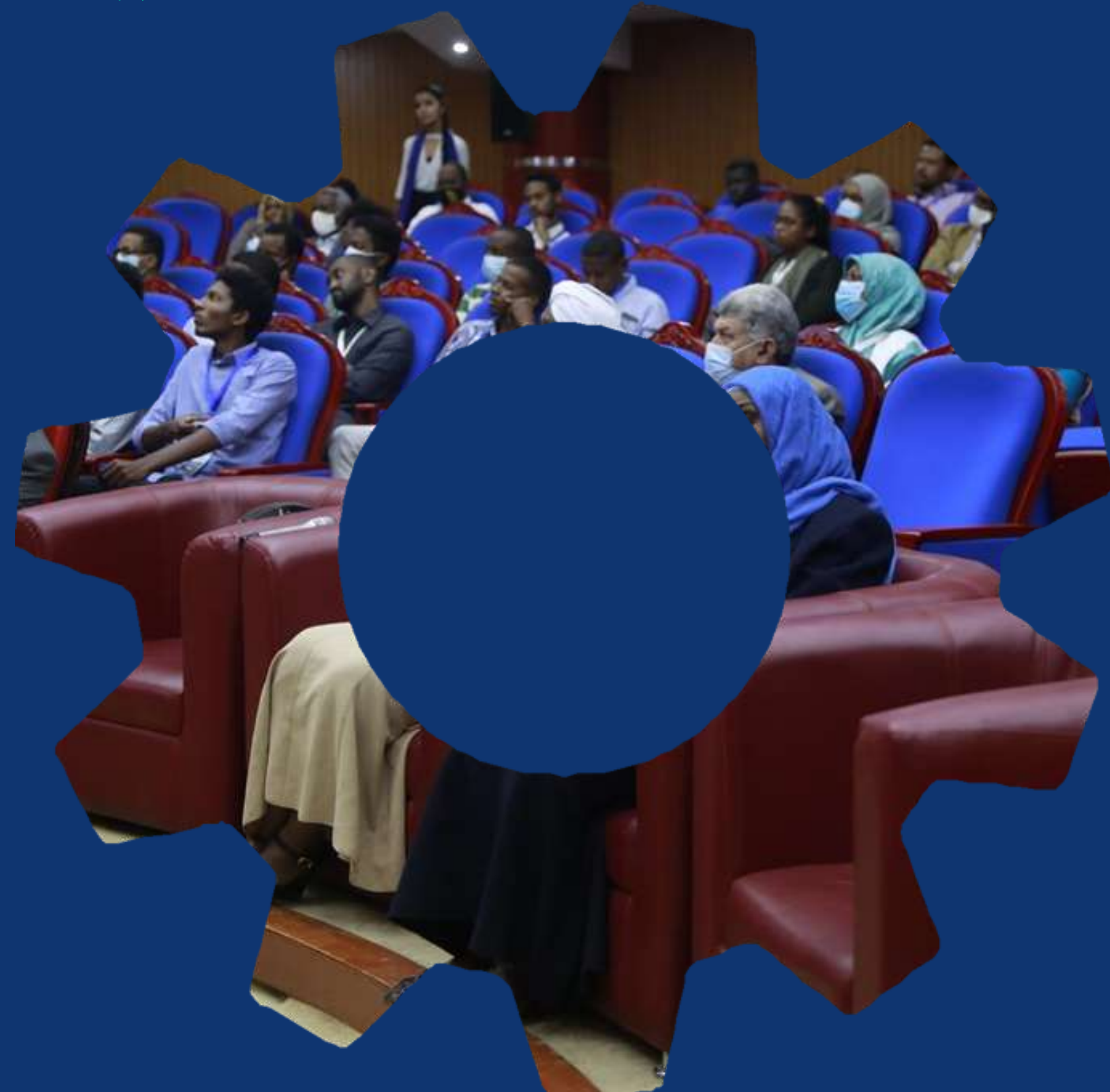




IEEE DAY



IEEE Day is celebrating the first time in history when engineers worldwide and IEEE members gathered to share their technical ideas in 1884. Worldwide celebrations demonstrate the ways thousands of IEEE members in local communities join together to collaborate on ideas that leverage technology for a better tomorrow .





IEEE EXTREME

IEEE Xtreme (often abbreviated as **Xtreme**) is an annual hackathon competitive challenge in which teams around the globe with IEEE Student programming members compete, often supported by an IEEE Student Branch and proctored by a Professional IEEE member. The competition runs for 24-hour time span to solve a set of programming problems. The competition is underwritten and coordinated by IEEE's Membership and Geographic Activities department, and is often supported by partnering sponsors, like IEEE Computer Society.



1,600

Participants



+539145

Compilations



+1,600

Volunteers



3722

Teams



805

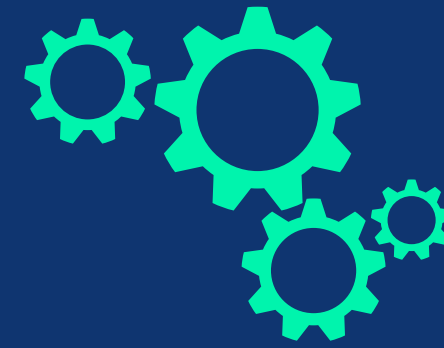
Branches



62

Countries

IEEE-Sudan Extreme



Since 2013 IEEE-Sudan student members participate in IEEEXtreme competition with total of more than **150 teams** participating over the years.(IEEEXTREME 7.0- 14.0).

Having one of our proctors professional member ranked second in 2021 competition around the globe with a minor difference from the first ranked



IEEE ENTREPRENEURSHIP

IEEEENEURS SUDAN is the Sudanese version of the initiative started In 2018 by IEEE R8 as an Entrepreneurship program called IEEE R8 Entrepreneurship initiative, which takes place in different region 8 countries. The program aims to strengthen the knowledge of young entrepreneurs, boosting their network by putting them in contact with the relevant stakeholders and getting them global exposure by sponsoring their participating in Summits and other Entrepreneurship events of the kind.

Intiative launching

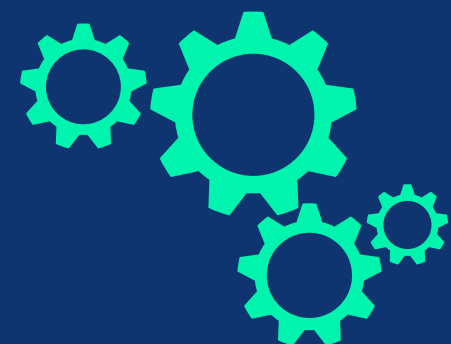
2018

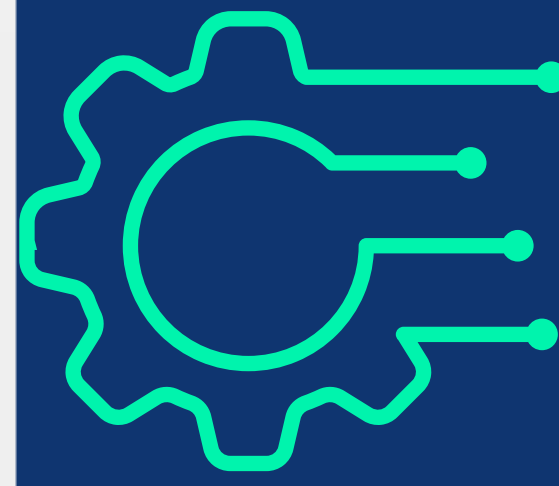
2019

IEEEENEURS SUDAN held its first event as introductory

2020

Survey+Business advisory Sessions +Competition





IEEE CONFERENCES

IEEE Sudan hold annually an international conference that was recently admitted to final name “nternational Conference on Control Computing Electrical and Electronic Engineering

Previous Versions

- ICCEEE13 “SUST&UOFK”
- ICCNEEE15 “ANU”
- ICCCCCEE17 “Karrari “
- ICCCEEE18 “GU”
- ICCCEEE19”MU”
- ICCCEEE20 “UMST”

Impact of IEEE-Sudan

Papers

+800

Till the beginning of this year reaching more than 800 papers published by Sudanese in IEEE.

AUTHORS

+400

More Than 400 Sudanese authors have published papers in IEEE Xplore Library

University's

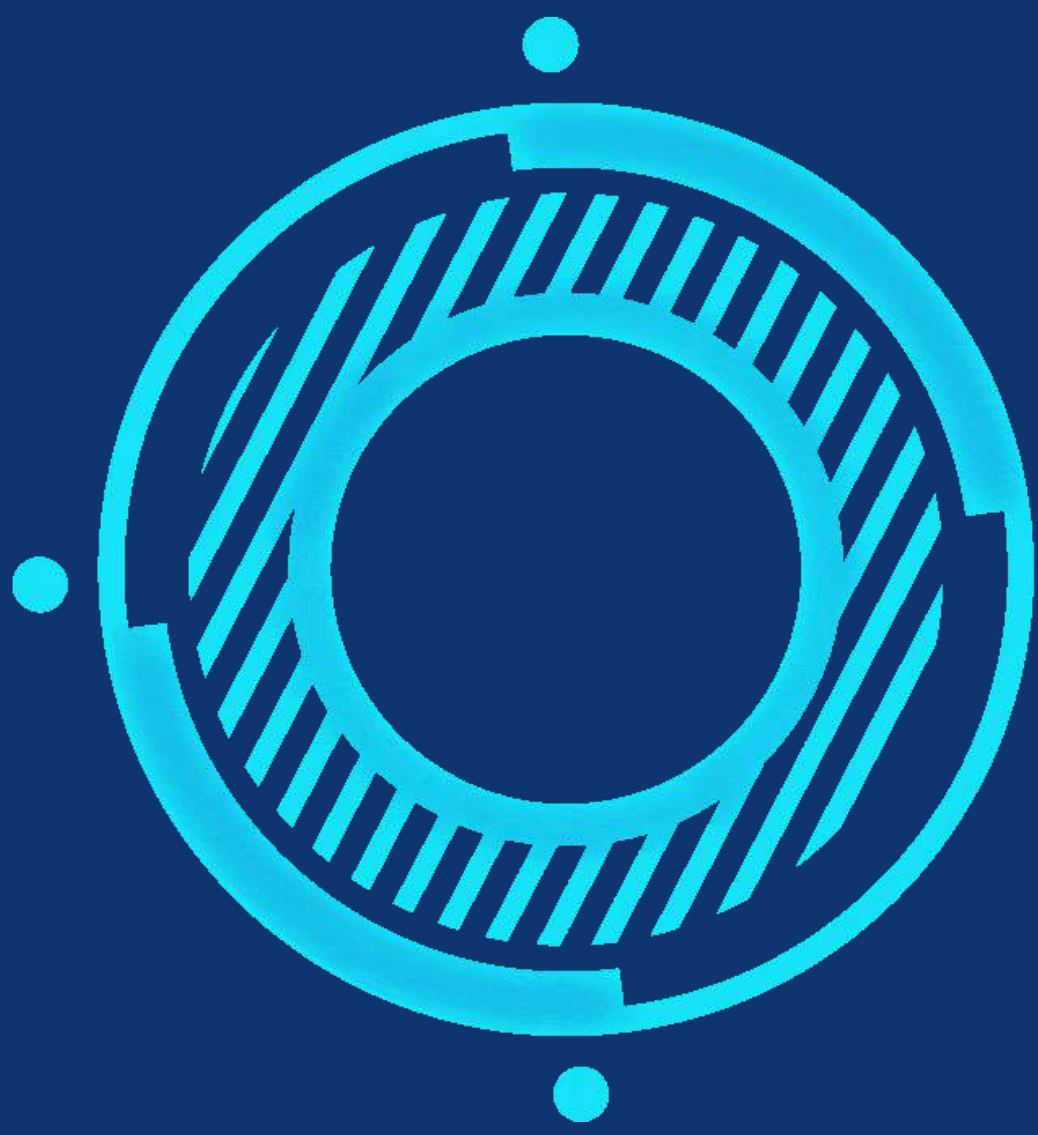
+7

After more than 7 universities organizing those conferences with IEEE over past Years

13

When started in 2013 only 13 papers of Sudanese authors was published

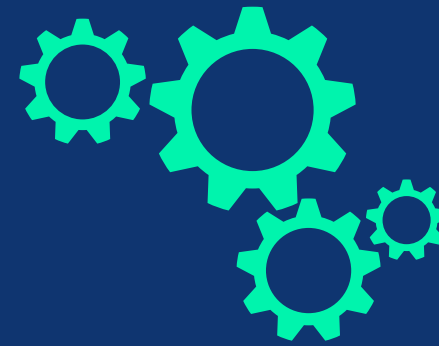




IEEE-SUDAN VOLUNTEERS



IEEE-Sudan VOLUNTEERS



The team behind the magic is a community like no other, where we're all united as one team working to unlock the impossible and open doors for a brighter future.

This is what IEEE-sudan volunteers look to achieve throughout each event, taking us one step closer to making the dream come true. IEEE-SUDAN is a community that thrives despite all the struggles and obstacles.



+2K volunteers

OTHER BENEFITS OF THE COMMUNITY

Access to students

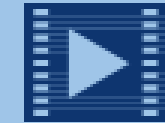
Sponsor will have access to top leading universities in sudan



Communication

Ease communication with more than 500 highly skilled engineers,enterpeneurs..etc in sudan

Professional Growth



Heard Voice

Being recognized as hearing out and supporting the youth of sudan



OTHER
BENEFITS

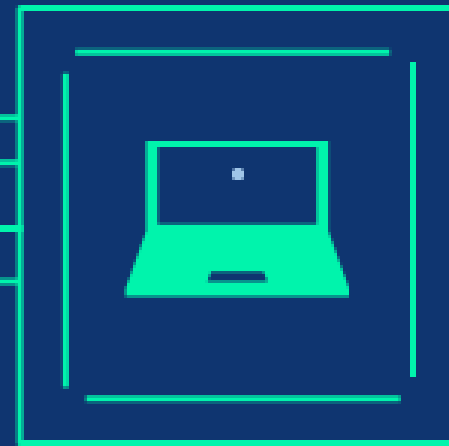
OUR PARTNERS



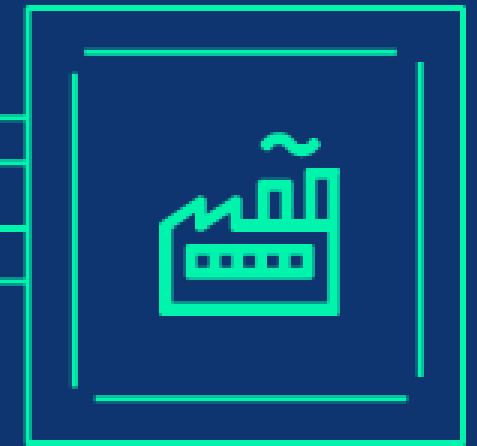
OUR PARTNERS



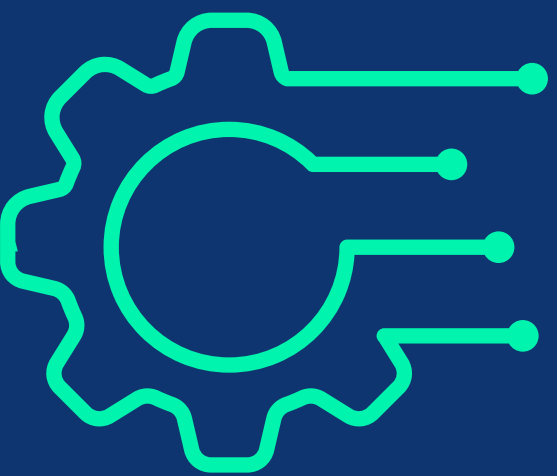
IEEE



IEEE SOCIETIES

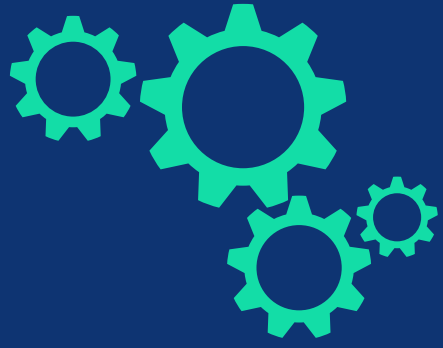


IEEE REGION 8



OUR TEAM





CURRENT BOARD



Prof. Sharef F Babeker

**Chairman of Sudan
Sub-section**

University of Khartoum
Electronical
Engineering



Fay Majid

**Vice Chairperson of
Sudan Sub-section**

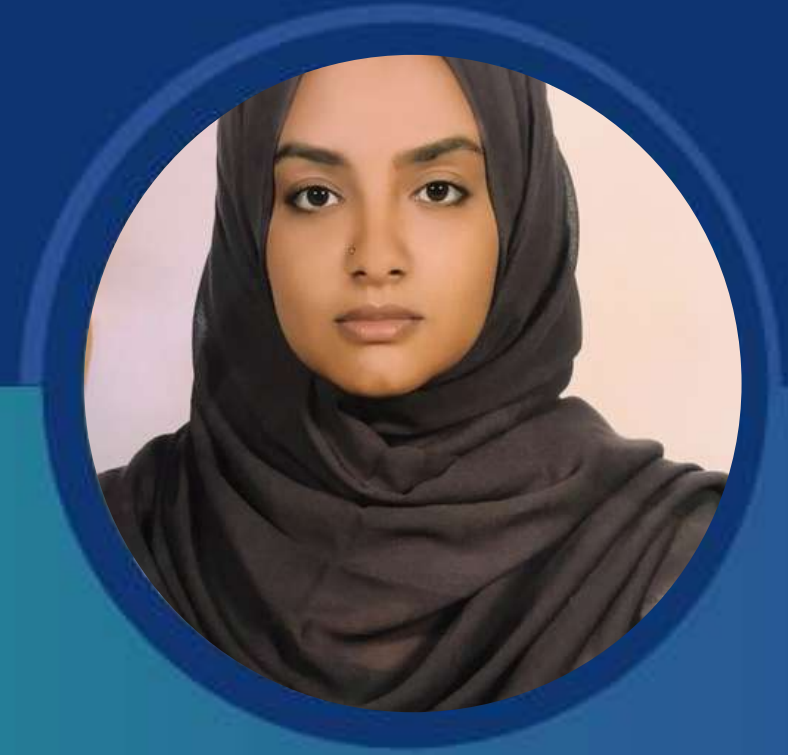
University of Khartoum
Electrical & Electronic
Engineering



Amel Jamal

**General Secretary of
Sudan Sub-Section**

University of Khartoum
Electrical & Electronic
Engineering

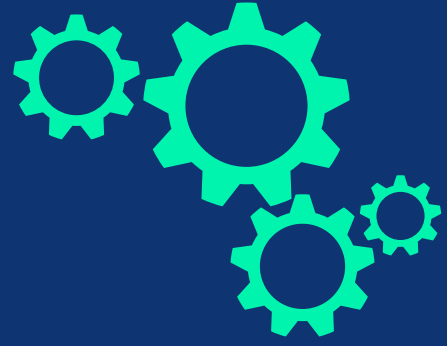


Yousra Mohamed

**Project Coordinator of Sudan
Sub-Section**

University of Medical Sciences
and Technology
Biomedical Engineering





CURRENT BOARD



Mushtaha Mutasim

Media Coordinator of Sudan Sub-Section

University of Khartoum
Electrical & Electronic
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University of Khartoum
Electrical & Electronic
Engineering




Yousra Alyasaa

HR Coordinator of Sudan-Subsection

University of Algazira
Biomedical Engineering

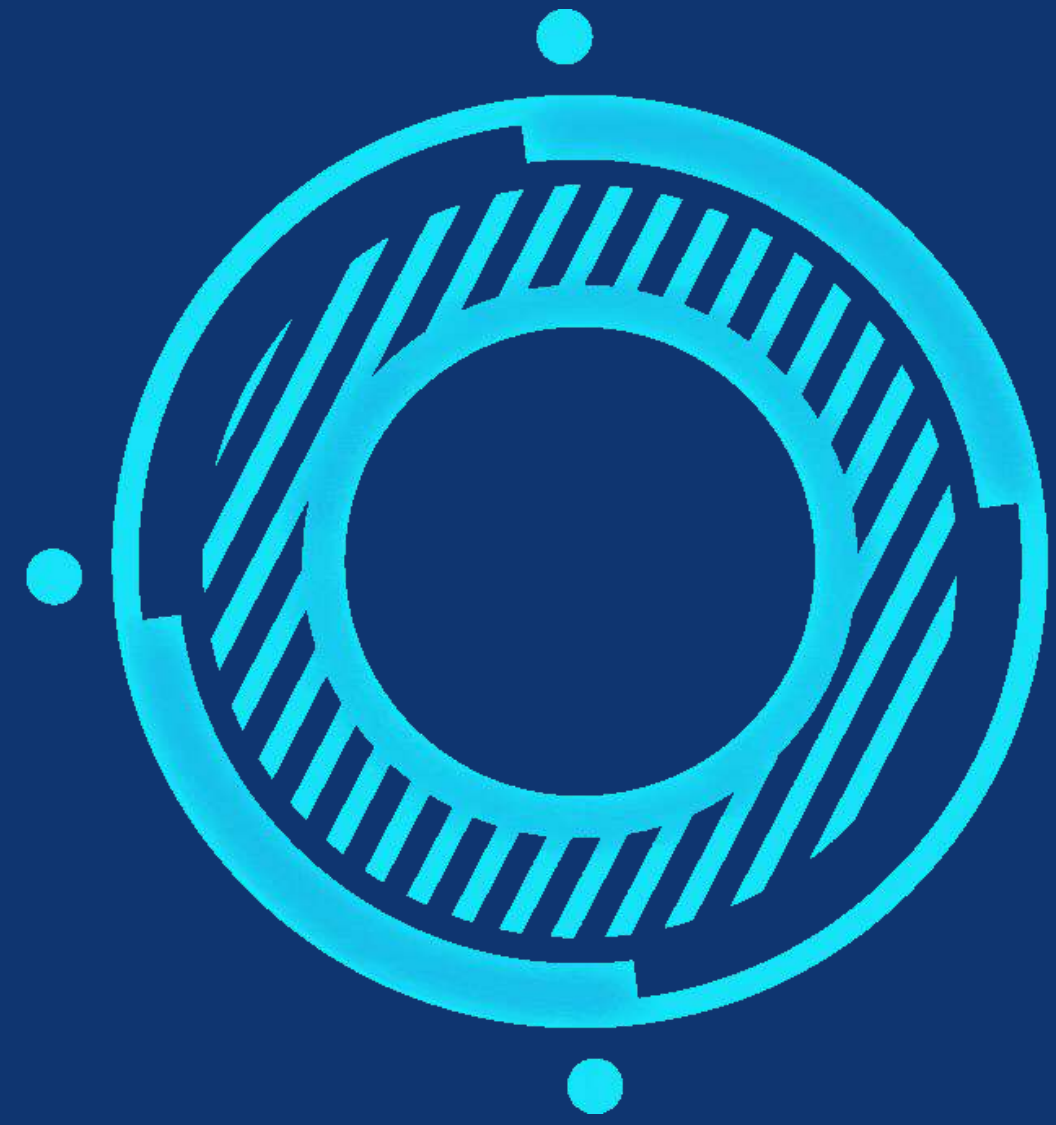
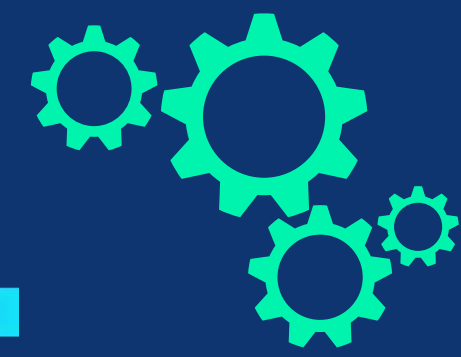




“It's more than the technical sessions and conferences it's about the opportunities you create and the one family you find yourself part of, it's about every effort and tirelessness paying off with beautiful smiling staff among a wide blue sky..”

Eng. Fay Alhassan - Vice Chair IEEE-SUDAN

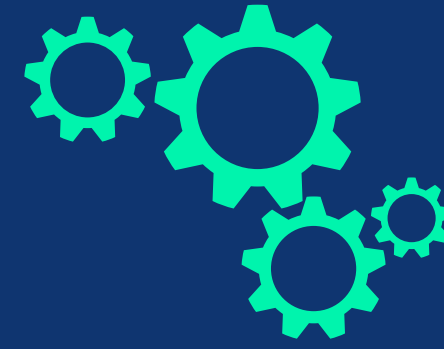




IEEE-SUDAN IN 2022



IEEE SSYP CONGRESS



SSYP Stands for Sudanese Students & Young Professionals Congress. It's the Sudanese version of the SYP conference organized by IEEE Region 8.

The SSYP Congress 2022 theme was 'The Fourth industrial revolution (4IR)'.

Objectives

1. Raise awareness of the current technological advances introduced by the 4th industrial revolution. It's our mission to make this conference an eye-opening experience for all the attendees.
2. Prepare people for the new world that lies ahead, by showing how this revolution will disrupt old businesses and create new ones.



Universities Outreach Event

📍 ONLINE
📅 MAY 23rd

[f IEEE SUDAN](#)
[t IEEE_SUDAN](#)
[g IEEE SUDAN](#)

Keynote speaker

The impact of 4th industrial revolution in different areas

Mohammed aboAli

• Chief, Central Information | Data Scientist | Google Developer Expert

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SSYP 2022 Discussion Panels

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SSYP SMART CITY EXHIBITION :

A smart city is a technologically modern urban area that uses different types of electronic methods, voice activation methods and sensors to collect specific data. Information gained from that data is used to manage assets, resources and services efficiently; in return, that data is used to improve operations across the city.

The exhibition will include a large model of the smart city that meets smart city standards with eight sub-models, each focusing on technologies used in one of the following areas such as clean energy, water supply, food security, health, security, telecommunication, transportation and recycling.

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Sudanese Students and Young Professionals Congress SSYP 2022

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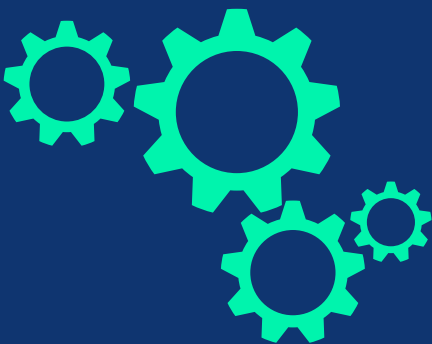


IEEE-SUDAN & ASW PARTNERSHIP



Arab Science Week is an annual celebration of science and technology in the MENA region, aiming at stimulating curiosity to encourage learning. It covers a broad spectrum of interesting science topics and the intersection of science and other aspects of life.

The second edition of Arab Science Week took place from October 15th to 25th, 2022 under the theme 'For a sustainable future'.



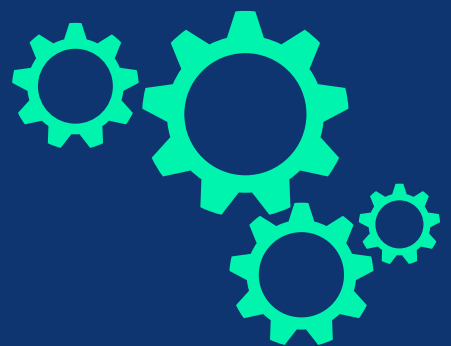


IEEE-SUDAN & ASW PARTNERSHIP



The new edition was launched with the purpose of discovering the sciences of the future and its challenges, with an insight on how to overcome them, through a number of simplified educational, yet entertaining, activities in all fields of science and technology.

The ASW is considered the most significant scientific event in the Arab world for the issues and problems it tackles, and for discussing solutions that could contribute to changing our lives for the best. .





IEEE-SUDAN & ASW PARTNERSHIP



IEEE Sudan participated with 5 of its students branches as content creators for five different days and every day had a different topic.

IEEE Sudan Participating Students Branches were :

IEEE Sudan University Students Branch.

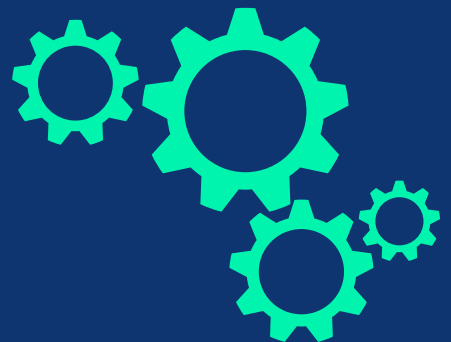
IEEE Alzaeim Alazhari Students Branch.

IEEE University Of Gazeira Students Branch.

IEEE Mashriq University Students Branch.

IEEE Alneelain University Students Branch.

This was a new milestone IEEE Sudan Subsection highlighted it as being one of Sudan representers in ASW 2022.





Industry 4.0

TOPIC OF DAY 1 :

“ The Fourth Industrial Revolution ”

TOPIC OF DAY 2 :

“ Scaling 4IR For Global Goals ”

TOPIC OF DAY 3 :

“ ENTREPRENEURSHIP AND INNOVATION IN E-BUSINESS ”



TOPIC OF DAY 4 :

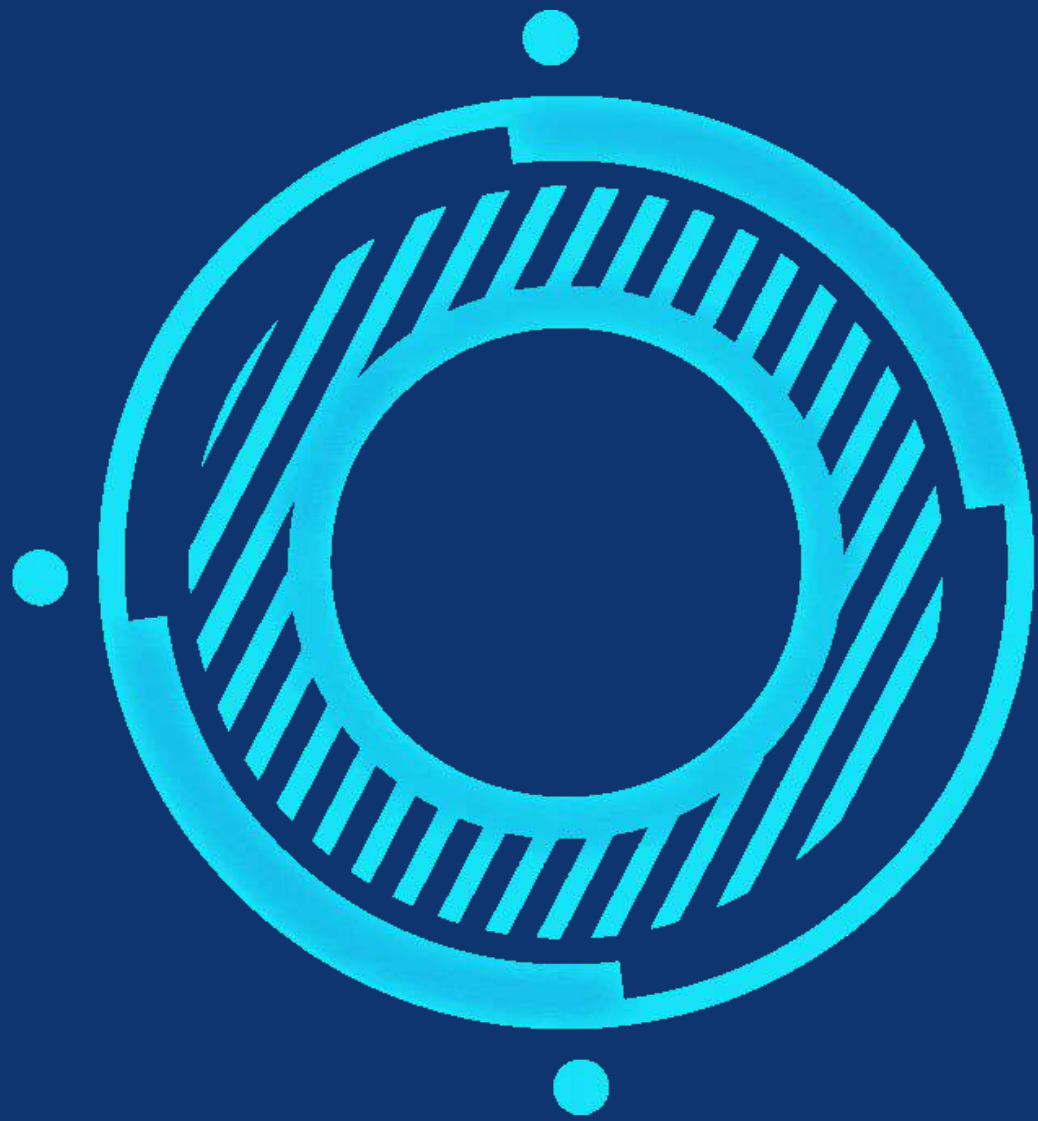
“ Medicine in Th Fourth Industri Revolution ”



TOPIC OF DAY 5 :

“ IEEE SUDAN ”



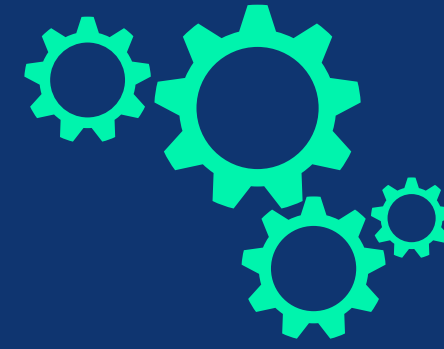


THE KIDS INITIATIVE





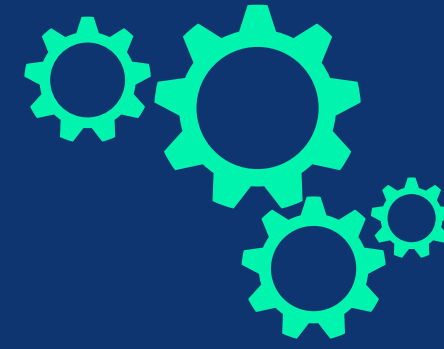
The Kids Initiative



Inventions help people around the world live longer, healthier, and more-productive lives. As a result, Inventions can lead to new technologies, create new jobs, and improve quality of life.

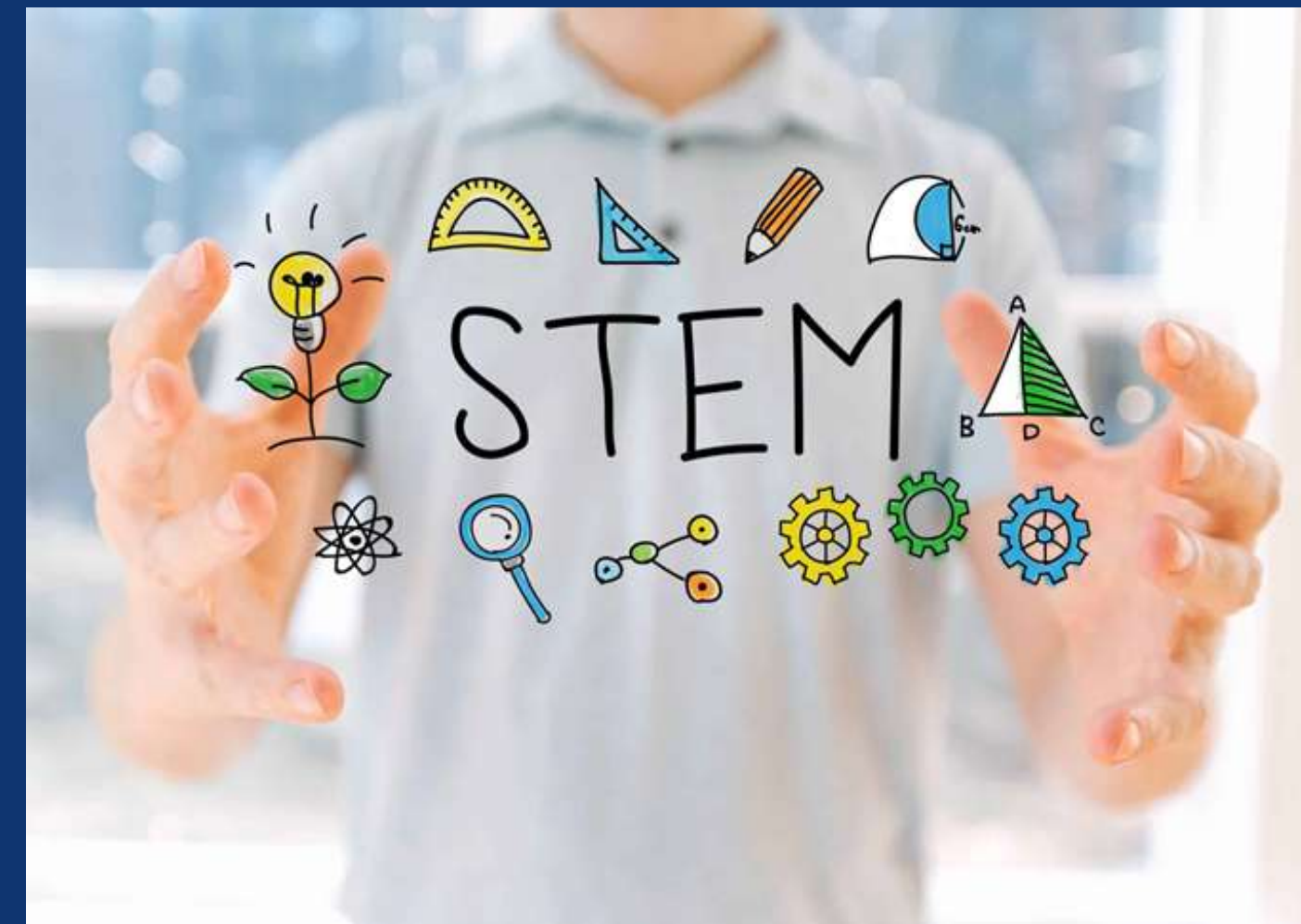
People from every corner of the world, of different ages, with different levels of education invent by identifying problems, pursuing ideas, and developing new solutions. Societies, however, are becoming aware that childhood is a particularly sensitive period, marked by a high degree both of adaptability and vulnerability in the developing child to the stimulation and stresses of his or her environment.

The Kids Initiative



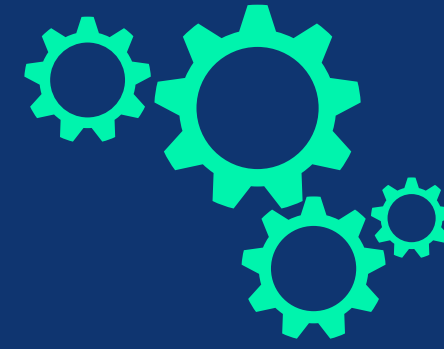
Furthermore, STEM education goes beyond school subjects. It gives a skill set that governs the way we think and behave. Merging science, technology, engineering, and mathematics, STEM education helps us to solve the challenges the world faces today.

Preparing today's children to become the innovators and inventors of tomorrow begins with STEM education programs. Therefore, the IEEE-Sudan would like to provide opportunities to take traditional learning and pivot it to prioritize the hands-on experience and real-world application necessary for developing an innovative mind.





OBJECTIVE



By promoting collaborations amongst STEM educators and other child-caring institutions, this initiative seeks to expose a greater percentage of Sudanese students, teachers, and caregivers to STEM education, thus sparking a student's investigative spirit, fostering creativity, and assisting young students in thinking through problems.



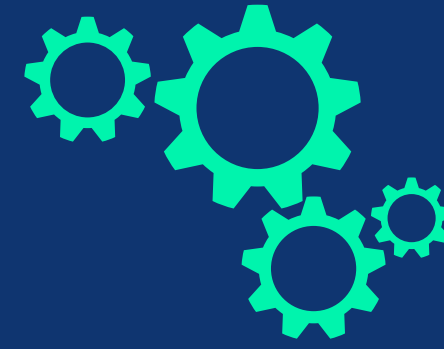
HOW?

By enforcing collaborations between STEM educators and other child-caring organizations.





Time schedule



This initiative will be carried out in several phases.

- Phase one:

In this phase IEEE-Sudan will conduct intensive research on the most influential STEM education providers, child caring organization and their programs by monitoring social media and national broadcast and TV stations.

- Phase two:

The IEEE-Sudan will contact the above mentioned organizations to present the idea and will hold meetings with them. The IEEE-Sudan will engage on discussions with them to tailor several programs depending on age and educational system.

- Phase three:

The IEEE-Sudan will create lists of potential schools and educational establishments where this program will take place, then the IEEE-Sudan will seek their approvals in order to further tailor the program structure and delivery date.

- Phase four:

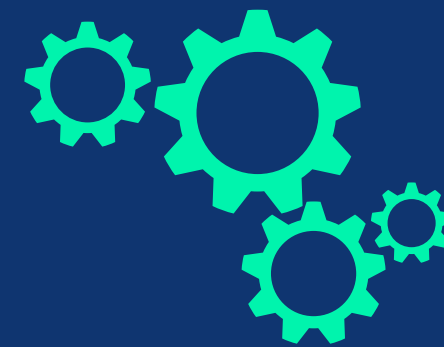
The fourth phase is initiative implementation based on planned schedules and program structures.

- Phase Five:

The program will be implemented in schools outside Khartoum.



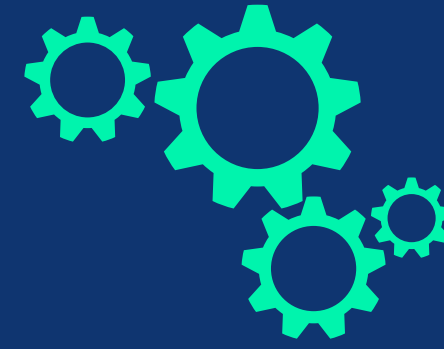
Time schedule



Phase	February	March	April	May	June	July	August	September	November	December
Phase 1	[Activity]									
Phase 2		[Activity]								
Phase 3			[Activity]							
Phase 4					[Activity]					
Phase 5									[Activity]	



WHERE?

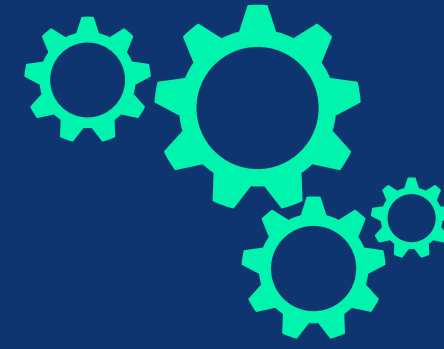


The program will take place in a number of Sundanese schools distributed in Khartoum State.

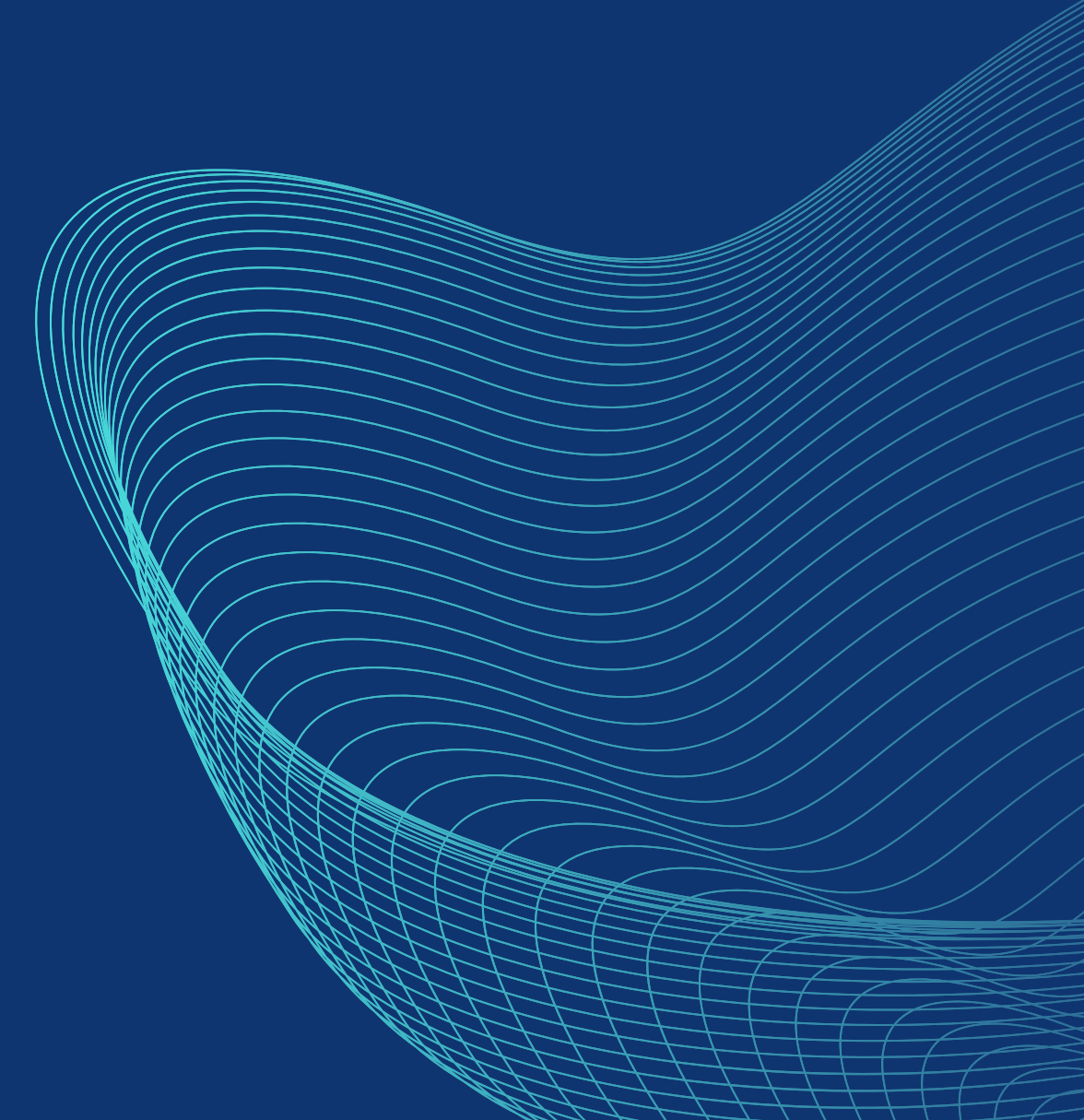




WHEN?

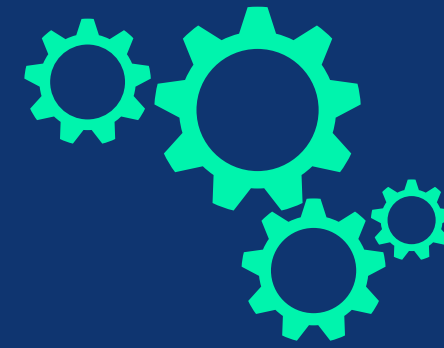


The program will take place in July- August as a summer course.





Our Partners



ORIENTATIONS TRAINING CENTERE



CODE HUB



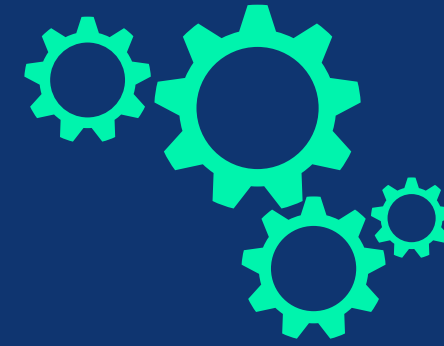
TRYZONE ACADEMY



Elex Kids



In Return



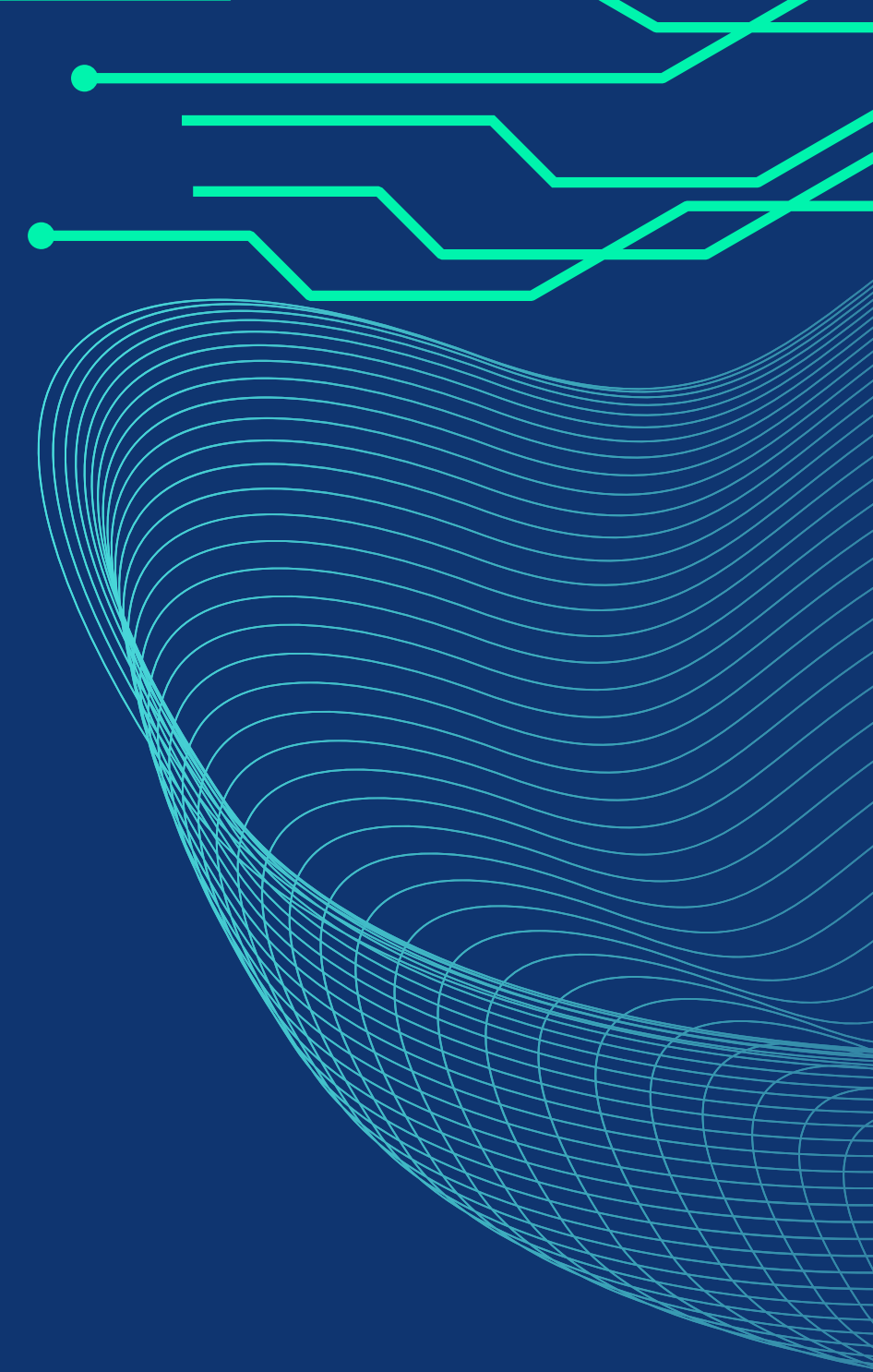
As the IEEE-Sudan have very wide national and international networks, our partner will receive increased brand exposure through the event itself, Event advertising, and media coverage which are handled by IEEE-Sudan.



20K
followers

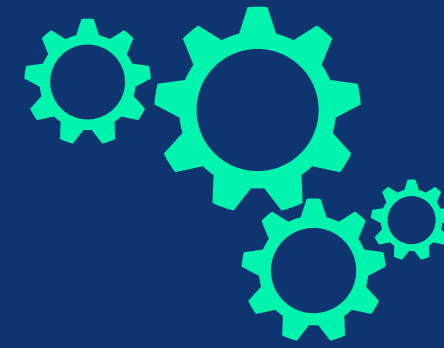


50
Partner





Control & monitoring



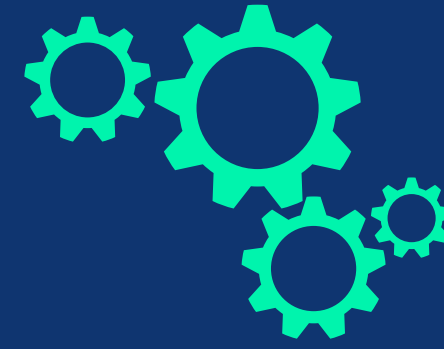
IEEE-Sudan will involve more local community leaders and stakeholders in the planning and implementation process. This can help ensure that the program is more tailored to the specific needs and challenges faced by students in different regions of Sudan

Additionally, IEEE-SUDAN will incorporate feedback from teachers and students throughout the program to help identify areas for improvement and ensure that the program is continuously evolving to meet the needs of the students it serves.

Finally, IEEE-SUDAN will leverage technology and online resources to expand the reach of the program and provide more students with access to high-quality STEM education, regardless of their location or socioeconomic background.



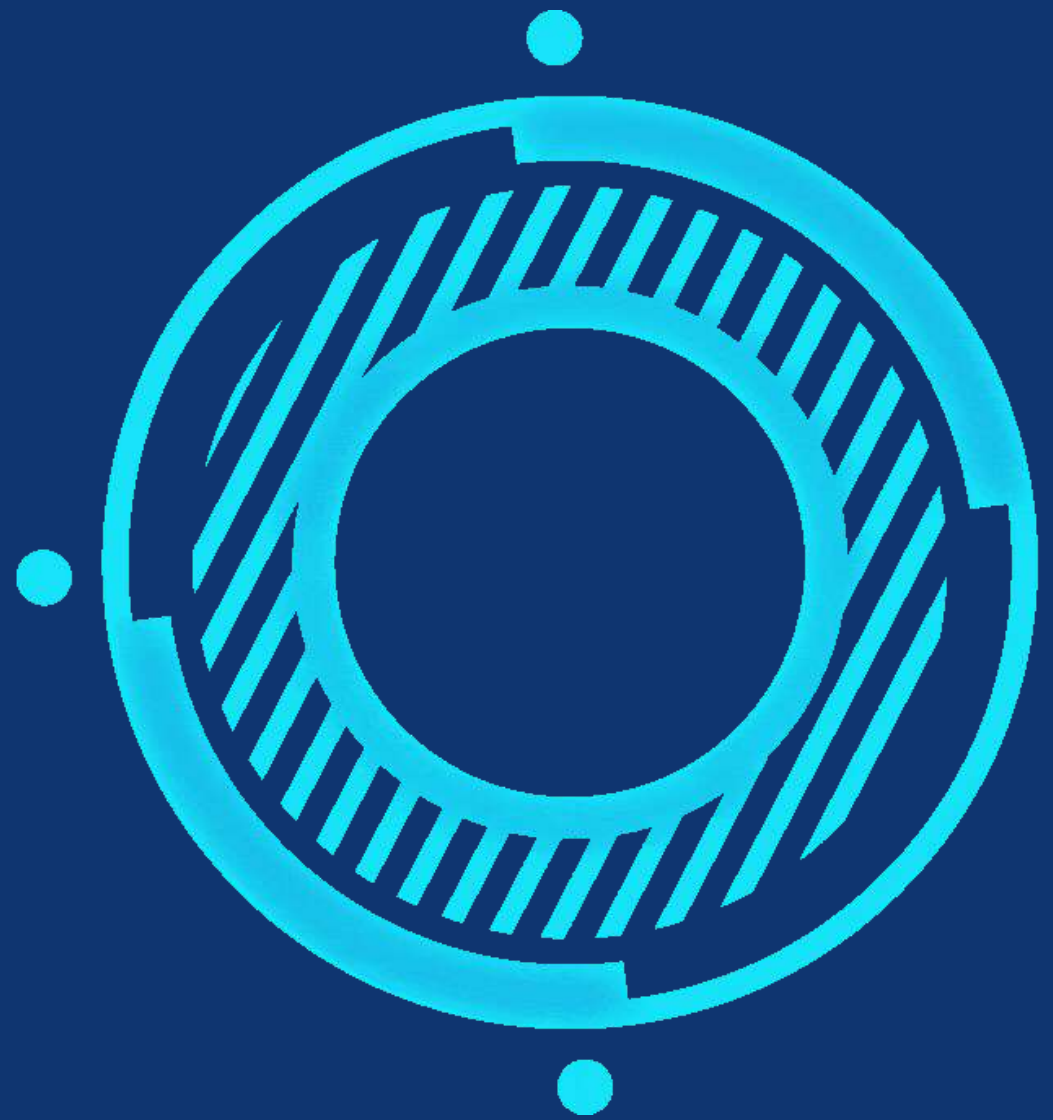
What's Next?



**upon the partners acceptance to participate,
IEEE-SUDAN will set a day where all partners will sit together to the
program.**

This will be our official Kick-off meeting.





Thank You

