IEEE Kenya Section   **Esther Muchiri**

A.   Section Vitality

1. In January 2022, the former Vice Chair assumed the position as Kenya Section Chair for the period 2022-2024.
2. The Section made a call for Elections for the ExCom in June 2022 to elect a vice-chair, Secretary, and Treasurer to the ExCom. The elections were finalized in August 2022.
3. A physical AGM for the Section was held on 5th March 2022 with a number of members attending virtually.
4. We continue with the current trend of holding physical ExCom meetings quarterly, as well as SteerCom Meetings every two months virtually. The SteerCom is an extension of the ExCom and includes non-elected Chairs and Volunteers in the Section that help in leadership of various affinity groups.
5. We have introduced a leadership training component for induction and retention of new members via AGs activities. We recently held the induction training for our newly elected 2022/24 ExCom and other leaders on the 10th September 2022.
6. We continue to encourage the transition of Student Membership into productive and active Members and Officials who will leave a legacy to be emulated by others to grow the Section. This we have focused through the engagements of our IEEE YP AG activities. We have also actively engaged the Counselors & Advisors for the SBs to explore avenues of best support.
7. Increase in Region 8 Appointments and Africa Council Elections and Appointments.
8. Phenomenal growth of Student Branches, addition of Chapters and Affinity Groups.
9. Undertaking of HAC and SIGHT Projects which have received recognition and appraisal to conference presentations, and application for Awards.
10. We have had two of our members receive the Larry K Award.
11. Held symposiums, IEEE Day in universities, organized career days, and received visiting Lecturers.
12. A revamped website for the Section which is continuously being improved to capture our activities.
13. We had the highest number of Sponsorships to attend events for our members this year including the R8SYP 2022 in Tunisia and PAC 2022 in Rwanda.
14. We have upcoming events: AFRICON 2023 and IEEE Kenya SYP in Nov 2022.

B. Students

The following is a list of Student Branches (SBs)

1. University of Nairobi
2. Kenyatta university
3. Moi University
4. Masinde Muliro University of Science and Technology
5. Jomo Kenyatta University of Agriculture and Technology
6. Technical University of Kenya
7. Strathmore University
8. Multimedia University: Our latest SB, and very active.

C. List of Student Meetings held

In the year 2022 the SBs have continued to hold many virtual and physical meetings:

i. IEEE Membership Drives
ii. Expert Forums
iii. Focused Trainings

iv. Industry Visits

v. Team-building outdoor activities

vi. The Section also held a meeting with SB Counselors, and this will be a recurring activity.

Affinity Groups

List of Affinity Groups

1. Young Professionals:
   - Continues to grow stronger with meetups, Webinars, Training and Career fairs to help the YPs and the transitioning Students:
   - YP & IES Meetup held for team building.
   - Career Fair held at Eden Springs Nairobi targeting high school graduates
   - ASENTI Africa Business Breakfast
   - Navigating Career Paths - In collaboration with other bodies,
2. Women in Engineering (WiE):
   - Had several webinars and collaborated with other Sections as well to share ideas and grow.
   - Collaborations with local bodies to support women from all walks of life.
3. SIGHT:
   - Revitalized and engaging with more projects being implemented and new funding applications made.
   - In-person meetings for members scheduled to create more familiarity among the members and present a platform for sharing ideas.
   - Smart Kibanda Project done to support Local women vendors and people living with HIV/AIDS to preserve and sell fruits & vegetables.
4. HAC: Training for members on Project application done and financial training to help implement the projects within budget.
5. Computer Society: Supporting member activities and meeting set for inperson connection.
6. Photonics Society:
   - Projects implemented in hard reach areas connecting power to children's homes.
   - IEEE Photonics Society Chapter Relations Forum and Open Discussion to help members better understand and participate.
7. Communications Society (COMSOC):
   - Connecting the Unconnected Technical Talk: Comsoc Members meeting & Drive. They received funding also. Building Smart Cities in Africa Webinar.
8. Power and Engineering Society (PES):
   - Industry Visit in collaboration with Industry Engagement committee Kenya.
   - Collaboration with KU SB for revitalization of WIP KU.
   - PES Kenya is also looking to drive new SBs formation
   - PES MMU SB approved in Aug 2022.
   - PES KU & MOI Uni SBs awarded under PES Student activities.
   - Also coming in as a major Sponsor for the first ever Kenya SYP.
   - PES WIP Day coming up in November 2022
9. IES:
   - Collaboration with YP Kenya and funds support for Meet up of the members.
   - KU SB Membership drive.
10. CASS (Circuits and Systems Society):
    - Successful launch on the 29th July 2022.
    - Conducted KU SB Membership drive.

- Supported Uganda in CASS formation.

List of SB Affinity Groups

1. EMBS, Biometrical Society: Kenyatta University
2. IEEE Photonics Society:
   - JKUAT Student Branch
   - Kenyatta University Student Branch
3. WIE:
   - Moi University SB
   - Kenyatta University
   - Technical University of Kenya.
   - Nairobi University
   - Multimedia University - Petition level
4. HAC SIGHT- Moi University
5. PES:
   - Kenyatta University
   - Moi University
   - Multimedia University - Newly Launched Aug.
   - JKUAT – Discontinued
6. CASS: Kenyatta University
7. Communications Society (COMSOC):
   - Kenyatta University
   - Moi University

List of activities by SB Chapters

1. Moi University:
   - 22nd April - PES Day
   - Smart Kibanda launch: HAC SIGHT –
   - 16th july Luna Hacks (a 24 hr programming training and competition)
2. Kenyatta University:
   - Power & SmartGrid Festival. April 5-6. Partnered with: IncSyc, Kenya Power. From these, Students and attendees were awarded full scholarships to further undergo training at IncSyc Academy.
   - PES Women in Power revitalization: 20th May 2022
   - Embedded Series workshop – PCB DESIGN: June 2022
   - IEEE CASS Launch- Aug 29 2022

3. Technical University of Kenya:
   - Konza Industry Visit March 2022
   - Huawei Industry Visit July 2022
   - Very successful Industry Conference that bore the IEEE Kenya SYP Congress 2022.

List the activities intended to support Affinity Groups

1. Continu>ED - Continuing Education for Engineering Professionals in Africa. To be used more intensely as a package by the Industry Engagement team to bring on board more partners.

2. Organize mentorship forums, senior professional networking for YPs
3. Leadership training with past Excom
4. Structured induction forums for new volunteers, already started with leaders and looking to have it as a continuous program.
5. Continue revamp and marketing of the IEEE Center of Excellence (CoE) at Kenyatta University for purposes of telling the journey of IEEE Kenya from formation, to current engagements & future plans.
6. Industry symposium and engagement with YPs
7. Design Section quarterly magazine starting Q4 2022.
8. Technical writing workshops for SBs and YPs by DLPs & Professional Members
9. Mentorship for WiE in high school and universities
10. Create a past ExCom forum for knowledge and wisdom sharing
11. Leverage on social media and Analytics for better engagement
12. Localized conferences
13. Increased professional member activities including industry engagement

List of planned activities by YP
1. YP Physical Meetup (Cocktails, Social Event, etc)
2. Volunteers Training
3. Industry Visit (Huawei, Schneider, Safaricom, Kenya Pipeline, KenGen, KPLC)
4. IEEE Startup Week Kenya
5. Engineering Registration (Collaboration IEK / EBK)

Chapters

IEEE KU PES Chapter & IEEE Moi University PES Chapter recently awarded for great projects & activities and excellent reporting done on Vtools.

Industry

The following activities were carried out to foster relations with Industry:
1. Cocktail-dinner with industry scheduled for Nov 2022 during the Kenya SYP Congress. Goal is to strengthen collaboration, seek partnership and opportunities for internship for SB graduates.
2. In collaboration with Continue>Ed, reaching out to organization that have MOUs with the Section in a bid to renew and/or strengthen the partnerships: EPRA, KEPSA, EBK, IEK, KNCCI,
3. Deliberate outreach efforts to benefit from industry partners: Schneider, IBM, Gear Box, CA, Ministry of Energy, Riara, Strathmore, KU, Kenya Engineer, KPLC

Activities since the last report

The Section carried out the following activities:
1. Launch of the Smart Kibanda by HAC/SIGHT
2. Industry Engagement High Tea was a success bringing on board professionals from industry to understand IEEE and explore areas for collaboration
3. Lessons learnt from the last Africa IOT challenge, requiring the Section to be more involved and support innovators especially in packaging and pitching ideas
4. New SB launched
5. Successful leaders and volunteers' induction workshop in September 2022. Request for more trainings, especially for our SB leaders and volunteers
6. Engagement of SB Counsellors and Advisors to better support our students while also benefitted through exchange programs with other universities

Planned activities

The following are some of the activities planned for the Section:

1. Support the Continu>ed Education team to reach more organizations through the IEEE Learning Network – online courses
2. Kenya SYP Congress Nov 2022.
3. Hold at least 2 Innovation Challenges among YP (STEM, WOMEN, PWDs) that are aligned to IEEE mission, linked to ongoing industry activities, support national agenda and SDGs by 2024.
4. Past Leaders forum to keep them active and share ideas and mentor incoming leaders.
5. Forums for engaging the University Counselors & Advisors.
6. Annual innovation & leadership award ceremony - 9th December 2022
7. Organize AFRICON 2023

How Region 8 can be of help to your Section, members, and activities

1. Traditional membership to be given at a cheaper/discounted rate.
2. Older IEEE members incentivization and support to transition to Senior membership.
3. IEEE Digital library for local Universities to support students with their projects & research.
4. Reiterate suggestions made by the past chair to provide an option for Quarterly Payments of membership fees. This will make renewal decisions easier and reduce member attrition.

Any other issues of interest

None