



**Institute of Electrical and Electronics Engineers (IEEE)  
Nigeria Section**

OFFICE OF THE SECTION CHAIR

# Full Year Report

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# 1. PLANNED ACTIVITIES FOR NEXT QUARTER INCLUDING ONGOING EVENTS

Reach-out programmes in rural areas	Empower women entrepreneurs in rural areas through Solar business and train the youths (unemployed graduates) on Solar repairs.
Virtual Activities and Online Sessions	Establish a sustainable mode of e-meetings for Excocs, Council and members of the IEEE Nigeria Section.
Implementing the IEEE Nigeria Online Virtual Classroom with the NIEEE Sustainable Learning Academy (NSLA) and The Nigeria Energy Forum, to mention but few.	Develop a learning hub comprising industry, academic, government and the people; for mentoring and knowledge sharing (do this with MoUs amongst all professional bodies and relevant MDAs). Especially the Federal Ministry of Communications and Digital Economy.

The IEEE-NIEEE Sustainable Learning Academy (NSLA) was setup to administer free online courses in partnership with industry, academic, government and the people; for mentoring and knowledge sharing (do this with MoUs amongst all professional bodies and relevant MDAs). Walk-in members can access IEEE/NSLA established e-library system.

## 2. INTEGRATION OF CROSSCUTTING ISSUES

### 2.0 Policy and Governance Support

Requests of engagement in various discussions in the field of Electrical and Electronic Engineering have been submitted to all cadres of governance in Nigeria, including the National and State Assemblies.

In 2020-21, the IEEE Nigeria Section made position papers in the fields Broadband Technologies (5G in focus) through the IEEE Comsoc Nigeria Chapter, and Smart Grid (with IoT, IoE, and BoP in focus), through the Emerging Technologies Committee and PES Nigeria Chapter, respectively. Consumers were given the highest priority in services and investments.

## 2.1 Global Climate Change

The recent global change in weather has taken a different toll on diversified projects and investments across board. What has been done in this regard is the provisioning of aerable crops all year round using controlled techniques of irrigation. Presently, we are deploying an Automatic Irrigation System (AIS) in Omor-Ifite at Anambra State, in partnership with the IEEE Humanitarian Activities Committee. While the intense weather conditions are converted to generate Solar Energy nationwide.

Our other IEEE Smart Village (ISV) projects also focused in the need to close out with Clean Energy solutions which are Environmentally friendly and sustainable.

Awareness programs are done to sensitize communities of interest in this regards. And human-to-human contact is avoided due to COVID-19 pandemic. More visual aids and media outreaches are engaged.

## 2.2 Gender Equality and Female Empowerment

Under the Joint National Technical Workshop (JNTW) 2018, we conducted training for over One thousand, five hundred (1,500) youths and empowered over three hundred (300) women in Solar. We intend to extend this opportunity through our hands-on on design and production of nose/face masks and hand sanitizers. We have also increased the number of our female volunteers both at the Exco level and members at large.

## 2.3 Sustainability Mechanisms

The modules were developed to sustain the new initiatives in the IEEE Future Directions while maintaining the status quo. Which aligns with the future events of the Region8.

## 2.4 Environmental Compliance

The Green (Solar) Energy bottle Initiative started in Abuja in 2016 is environmentally friendly, it is still ongoing presently. And it is focused on Women Only.

## 2.5 Implementation Challenges

- Limited funding opportunities;
- Absence of approved budget;
- Conflict of interest(s) from the community recipients;
- Lack of Federal Government endorsements (now improving)

### **Achievements**

1. *Trained over 1,500 youths and empowered over 300 women nationwide on Solar Energy devices (sales, installations and maintenance with standard troubleshooting skills);*
2. *Securing 2-round Grants from the IEEE USA for; (i.) Community project on Rice production, and (ii.) Solar Training with Empowerment (2018); and seven (7) grants for COVID-19 projects, to sustain lives (2020).*

## 2.6 Community Projects:

1. *Rural Electrification (lighting-up our homes);*
2. *Women and Youths Solar Empowerment Programme;*
3. *Train the teacher skill-up hands-on programme.*

## 2.7 Partnership (with/out MoU)

1. Nigeria Energy Forum: <https://www.thenef.org/>
2. The NIEEE: <https://nieee.org.ng/>
3. Solar Sisters International: <https://solarsister.org/>
4. Future Energy Nigeria: <http://www.future-energy-nigeria.com/>
5. Pro-ICE: <https://pro-ice.com.ng/>
6. AIICO Insurance: <https://www.aiicopl.com/>

## FEEDBACK COMMENTS FROM THE FULL YEAR REPORT

Please send your comments to FUNSO@IEEE.ORG OR WHATSAPP +234-807 417 2133