

## IEEE Student Branch GECK Activity Report -2019

IEEE SB of GEC Kozhikode has 33 student members and one professional member as on Dec 31 2019.

The branch counsellor of the SB is Dr. Bindima T (Asst Prof, EC), with the Execom members being Ms Sandra Saji (Chair), Mr. Aswin George(S5 ECE), Mr. Athul(S3AE&I), Ms. Neeraja, and Ms. Aswathy.

The report of the SB activities for the year 2019 are detailed below.

1.PYTHON PROGRAMMING FOR BEGINNERS-IEEE GECK SB conducted a one day workshop on Python Programming on 2nd February by Dr.Gilesh M P from Govt . Engineering College, Wayanad. The sessions were arranged in Edusat room and simulation lab.



### 2.KSEBA COLLEGE LEVEL SEMINAR & QUIZ COMPETITION

The KSEB engineers association in collaboration with the IEEE SB GECK conducted the college level seminar competition on 19<sup>th</sup> February 2019 .This was a great stage for all the students to excel their seminar presenting skills and their ideas . The Chief guest for the inauguration of the seminar competition was Er. Rajan Joseph .



### 3. JAVA CODING CLASS

The java coding class with aim of developing the programming skills, for the first year students of GEC kozhikode , which was taken by Abhilash who is one of our 4th year EC student. The class was very good to improve coding skills and knowledge on java . The classes were scheduled from 13<sup>th</sup> Feb 2019 to 12<sup>th</sup> March 2019 from 8:30-9:30am.

4. IOT WORKSHOP- One day workshop on IOT- Internet Of Things was conducted on 1 September 2019, from 9:30 am to 4:30 pm . The session was handled by Mr. Rabeeh P C, Project Assistant from IISC Bangalore. A basic introduction on IOT and its contemporary relevance was given. The basic theory and classification of Arduino was also discussed. Programming hands on sessions for mobile controlled LED blinking by downloading BlinkApp was done. Also IOT implementation using NodeMCU was done. In IOT implementation using NodeMCU, the temperature and humidity were visualized in the connected mobile phone. A google classroom was also made available for the students to discuss their queries.



## 5. PES QUIZ

As a part of IEEE day celebration IEEE SB of our college also organised a PES(Power and Energy Society)QUIZ exclusively for first years, on 10th October 2019 from 12.50 pm onwards in the EDUSAT room.

The winners represented the Institution in the state level competition.



## 6. DISTINGUISHED LECTURE PROGRAMME

On behalf of our IEEE GECKKD SB , a distinguished lecture program was organized at GEC Kozhikode on the topic 'MOSFETs and FINFETs' on 23rd November by Dr.Dhanraj K J, Asst Pro, NIT Calicut. 65 students including 22 IEEE student members participated in the event. The characteristics of MOSFETs and FINFETs, fabrication, and applications were discussed in this 3 hour lecture session.

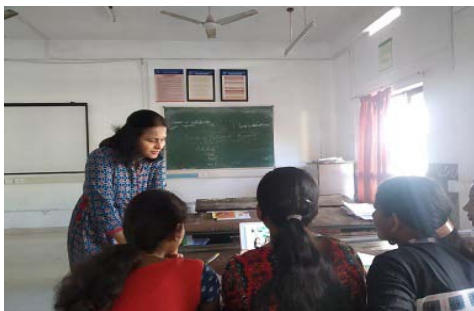


## 7. COMMUNICATION SKILL DEVELOPMENT WORKSHOP

IEEE GECK SB conducted a half day interactive session on "Communication skill development" for IEEE student members on 27th November 2019. Six student members participated in the event. The resource person was by Ms Swapna from the Discovery-I, Training and Consulting Services, Calicut.

The session emphasized mainly on personality development and how to get prepared for interviews. The students were asked to perform a SWOT (Strength, weakness, opportunities and threats) analysis, based on their aim and goals to achieve. Also suggestions were given on how to improve their weakness to overcome the threats using their strengths and hence making full utilisation of the available opportunities. She emphasized on the development of a personal brand for each individual, to make ourselves unique and confident.

The importance of body language was also discussed. The students were asked to present their qualities after self introduction. Some guidelines were given when doing such presentations, such as be simple and strong in your language and presentation, not to disclose the negative aspects in yourself when you communicate with others and when participating in an interview. As a part of this the students were asked to demonstrate non-verbal communication so that they can improve their body language. The session was ended up by giving instructions to set the aim, short time goals, and long time goals for the students.



- 1. Two-day Workshop on Hardware Design:** The two-day workshop on Hardware design was organized by IEEE MSS at GEC Kozhikode on 12th and 13th of July 2019. The resource persons who handled the different sessions were Mr. Ubais Vazhayil, Mr. Abhijith P and Mr. Joel George from Liwet Technologies, Kozhikode. 10 participants attended the program, including 4 IEEE members and 6 non-IEEE members. Participants included students and professionals from GEC Kozhikode and KMCT College of Engg. Registration to the program was arranged in both offline and online means. Offline registration started by 9.30 A.M followed by a brief welcome speech by Dr. Bindima T (SB Counsellor, GEC Kozhikode) and an inaugural address by Dr. Tara Raveendran, HOD and Professor of Department of Applied Electronics & Instrumentation Engineering, GEC Kozhikode. The sessions of the hands-on workshop were arranged in the electronics lab of GEC Kozhikode using EAGLE software. The sessions focused on how to create schematic diagrams using EAGLE software, how to create PCB layout from the schematic followed by PCB routing, and finally how to generate the CNC file. The two-day workshop concluded by 5PM on 13th July 2019 with a feedback session from the participants followed by certificate distribution by Dr. Giles M P, Vice Chair IEEE MSS.





### ANDROID APP DEVELOPMENT WORKSHOP

Android app development workshop organized by IEEE MSS at GEC Kozhikode was conducted as a 2 day hands-on workshop on 20th and 21st December 2019 at GEC Kozhikode. The sessions were handled by Akbar K.K, who is an entrepreneur pursuing B.Tech in Electronics and Communication at GEC Kozhikode. 29 participants attended the program, including 11 IEEE members and 18 non-IEEE members. Participants included students and professionals from different Engineering colleges such as KMCT, MEA, and CAPE Thalassery. Registration to the program was arranged in both offline and online means. Offline registration started by 9.30 A.M followed by a brief inaugural speech by Dr. Tara Raveendran, HOD and Professor of Department of Applied Electronics & Instrumentation Engineering, GEC Kozhikode. The sessions of the hands-on workshop were arranged in the central computing centre of GEC Kozhikode, and covered basics of Android app development, including the basic UI design and its Java backend coding, on the first day. The participants were given the facility for hands-on creation of basic calculator app, torchlight app, and simple personal chat app, on the second day. The two-day workshop was concluded on 21st December 2019 by 5.30 P.M with a feedback session from the participants followed by a vote of thanks by Dr.Bindima T SB Counsellor of GEC Kozhikode. Program recieved a wide spread positive reply from all the participants. All the participants were provided certificate of participation immediately after the session.



**DEPARTMENT OF APPLIED ELECTRONICS  
AND INSTRUMENTATION ENGINEERING**



