

## 1. REPORT\_ELEKTRA 2018

A 3 day Technology summit 'ELEKTRA 2018' was held at College of Engineering Munnar from 2-4 March 2018. The event was coordinated by Department of EEE in association with IEEE PES & IAS SB chapters of College of Engineering Munnar. The event was inaugurated on 2<sup>nd</sup> March, by Dr.R. Harikumar, Director, ANERT, Govt. of Kerala. Dr.R. Harikumar talked about Renewable technologies and its social relevance in his keynote address. It was followed by a technical session by Er.Aby Joseph, Associate director CDAC Trivandrum. He talked on the topic 'Design and implementation of grid connected solar PV systems'. The programmes on first day ended up with a campfire in the evening followed by dinner. The proceedings of the second day started with an industrial visit to Pullivasal hydroelectric power plant. The delegates were shown the operation of the plant and control room by the KSEB staff. There were 3 parallel workshops scheduled in the afternoon from 1 PM-7 PM. The workshops were on Energy auditing, Blockchain, and Real time Interfacing of MATLAB with DSP. The workshops were handled by experts from the respective fields. Cultural programmes were presented by both external and internal delegates in the evening. The second day ended with a dinner thereafter. The third day programmes started with a session on 'Entrepreneurship and innovation' by Shalini V Nair, MD, Ohile technologies, Bangalore. The last session was a technical talk on 'Nuclear energy, the need, the perceptions and the realities' by Sri.A.V. Satheesh, Scientific Officer, Kudamkulam Nuclear power plant. The delegates were given awareness on nuclear energy, and their concerns on nuclear energy were addressed during the session. The 3 day programme ended up with a lunch. A group photo was also taken after lunch.



110 delegates from various engineering colleges across Kerala attended the programme.

Number of IEEE members- 48

Number of Non IEEE members- 62

The 3 day technology summit received appreciations from all delegates in terms of the quality of the various sessions, industrial visit, and the conduct of the event. The IEEE members and volunteers of the SB Chapter were immensely satisfied in the way the event was organized, and it is decided to conduct the programme in the coming years also.