

Kerala Section Events

Young Professionals: EXCELLENTIA

The Excellentia was conducted as two editions, one in Kochi and the other is Trivandrum. The aim of excellentia was to prepare the student attendees and to impart insight on how to appear for a placement drive. The combined participation of 60+ student members was seen in both the events.



The Excellentia 1.0 was conducted on 29th January 2017 at Albertian Institute of Science and Technology, Kalamassery. The program was organized for the student members of IEEE, intending to improve a candidate's performance and to give an insight on how to prepare and present oneself for a placement drive. The event was formally inaugurated by Dr. Suresh Nair, Chair, IEEE Kerala Section. The first session titled "The art of Resume Making, Group Discussions and Interview Tips" by Mr. Vijay S Paul, Electronic Communications Coordinator, IEEE Kerala Section was a perfect beginning of the workshop. The next session was on "How to sell yourself and win an Engineering Gig" handled by Mr. Rahul Ramesh, CTO, Entri.me. The concluding session by Mr. Shahim Baker, Chair, IEEE Kerala Young

Professionals took the participants to the nuances of technical knowledge that will bag them the confidence to clear a technical interview round.



The Excellentia 2.0 was conducted on 11th February 2017 at Heera College and Technology, Thiruvananthapuram. The program was organized for the student members of IEEE, aimed at imparting information to improve a candidate's performance and to give a full-fledged insight on how to appear for a placement drive, delivering the rightly chosen information by reputed industry and subject experts.

The first session was on 'Re-Discovering your Resume' by Mr. JaiKrishnan Nair, Volunteer, IEEE Young Professional Volunteer and Senior Systems Engineer at Infosys. The session covered everything about resume and its Do's and Don'ts. Brilliant inputs by Mr. Ajmal Shah on the topic added an edge to the event. This was followed with a talk by Mr. Bibin P Thomas which gave instructions on how to prepare for a Group Discussion prior to the interview. A mock interview for students was conducted by Mrs. Anusha Anand (Sr. Project Executive, InApp) and Mr. Jithin Krishnan (Scientist/Engineer, SCTIMST), as the interviewee. Post lunch, the next session in line was 'Cracking Your Interview' by Mr. Varghese Cherian, Industry Coordinator, IEEE Kerala Section and Head, Technology Services, UST-Global who enlightened the students on the various aspects of the interview. The next session was handled by Mr R S Nithin, took a brief session on the various job opportunities that are out there, egging on the students to find Internships with reputed firms and how Government also needs a pool of people with good technical knowledge in IT.

Young Professionals: IEEE Job fair -2017



IEEE Job Fair was an opportunity for the attendees to evaluate different organizations and whether the opportunity they've applied for aligns with their professional interests, skills, values, and goals. The event had participation from 51 student branches across the IEEE Kerala Section and was held on 18th, 25th and 26th of February 2017. With 350+ IEEE volunteers support in various stages of the event, Job Fair laid the foundation for an array of career paths. The entire squad of volunteers was well appreciated for all determination and well coordination of the event.



IEEE Kerala YP Affinity Group in association with IEEE SB of Government Engineering College, Thiruvananthapuram conducted STEP 2017 v1.0 (Student Transition & Elevation Partnership) on 22nd April 2017. It was a well-organized event which aimed at bringing together IEEE members graduating in 2017.

This one day event began with Mr. Jishnu Krishna, Volunteer IEEE Kerala YP, leading the gathering through the IEEE Code of Ethics. Mr. Abey, Coordinator STEP welcomed the gathering to the event. Mr. Shahim Baker, Chairman, IEEE Kerala YP presided over the inaugural ceremony.

Prof. V.K. Damodaran, Advisor, IEEE Kerala YP, inaugurated the ceremony and addressed the gathering about the importance of IEEE, when engineering students transform into professionals. He explained about various societies which can contribute to the technical knowledge in one's career. In his speech, he also mentioned that IEEE Kerala YP group had won almost all the awards that a YP AG can receive, which itself is symbolic of how vibrant the young professional community in Kerala is. Further he explained how IEEE can contribute to various global scenarios like 5G, climate change and so on. He also assured the participants that continuing with IEEE will definitely be beneficial for the young professionals as it is all about passion and satisfaction.

Mr Biju, SBC, IEEE GEC, reminisced about his experience as an IEEE member in Barton Hill College. Then Mr. Adithya, SB Chair, expressed his joy to host the event at GEC Barton Hill. The inaugural ceremony was concluded by Mr. Ashwin Raj, event head of STEP 2017 v1.0 delivering the vote of thanks. The event witnessed an overall participation of 18 student members from various SBs across Kerala Section.

The first session on "Self Mentoring" and its importance in one's life was by Mr. Paul Ansel, Secretary IEEE Kochi Subsection.

In the next session on "Support for Startups in Kerala" by Mr. Shahul Hameed, Secretary, IEEE Kerala YP explained about various startup missions undertaken by Govt. of Kerala. He also explained about different stages like pre-incubation, incubation and acceleration. He advised the budding entrepreneurs about the importance of having domain knowledge or experience in leading a startup. Various investment processes, Youth entrepreneurship development programmes and organizations involved in supporting these startups viz. TIE Kerala chapter, Headstart Foundation, IEEE YP entrepreneurship group were also discussed.

In the post lunch session on "Journey ahead with Young Professionals" by Mr. Bibin Parukoor Thomas, Vice Chair, IEEE Kerala YP gave insights on areas like networking, technical assistance, personal development provided by the YP community of IEEE. He also shared his own experience with the IEEE YP community.

In the panel discussion with five experienced professionals -- Mr. Jithin Krishnan, Mr. Nandan S, Mr. Bibin Parukoor Thomas, Mr Shahul Hameed and Mr. Shahim Baker, queries regarding research was dealt by Mr. Jithin and academic related topics by Mr. Nandan S and the rest handled the questions related to industry and startups were addressed. Several questions also came up regarding the areas of higher education as well as the importance of industrial experience in teaching profession. The event came to a conclusion with the valedictory note by Mr. Shahul Hameed and photo session.

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SOLAIRE – Training on Solar Plant Installation



Educational Activities team of IEEE Kerala Section organized a two day training program on solar plant installation, SOLAIRE at Mar Baselios College of Engineering and Technology, Trivandrum, Kerala on 22nd and 23rd April 2017. The session was exclusively for the students who are interested in the field of non-conventional energy & Solar P.V. The event was successful with a participation of 51 students from various colleges in Kerala. This makes a bearing for students to explore into the world of non-conventional energy. The training program was led by Mr. Shan S., Chartered Engineer, MNRE, Govt. of India, Mr. Jayaraj from Electrical Inspectorate, Govt. of Kerala and Mr. Ajith Gopi from ANERT, Govt. of Kerala.

Prof. V. K. Damodaran, Life Senior Member, IEEE, the chief guest at inauguration addressed the students providing an excellent abstract on opportunities and scope in the field of solar installations. The inaugural session was presided over by Mr. Nandan S., Secretary, Educational Activities, IEEE Kerala Section. Dr. M. J. Jayashree, HOD, ECE Dept. of MBCET and Ms. Divya N. A., Asst. Prof, EEE Dept. MBCET, attended the inaugural function.

After the inauguration, session on introduction to non-conventional energy and solar PV systems was anchored by Mr. Shan S. Mr. Jayaraj from Electrical Inspectorate gave an overview of energization approvals and inspection. These lecture sessions were followed by practical sessions and demonstrations.

The second day sessions mainly focused on the design of solar on-grid and off-grid plants. The sessions were handled by Mr. Shan S. and Mr. Ajith Gopi from ANERT. These sessions provided a platform to the students to shape their will and seem to be a beacon of inspiration for a bright tomorrow. The event turned out to be a huge success due to active participation from many students and the efficient organizing by the team. The general feedback from the participants was that the sessions helped them to learn new things and kindled their curiosity.

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IEEE Kerala Section WIE Affinity Group Events

Electrification Project held on 16th Feb 2017 at Edamulackal Panchayat, Kollam



well appreciated by Kerala State Government.

A tribal colony in Kollam, Kerala, India with under privileged people was chosen and their houses were electrified. This program was initiated by IEEE WIE AG of TKM College of Engineering Student Branch and executed in association with IEEE SIGHT, IEEE PES and Kerala State Electricity Board. This project was done as a part of “Sampoorna Vydyutha Valkarana Yatnam” (Complete Electrification Project), an initiative by the Kerala Government. The main objective was to provide reliable electricity to the houses. They have electrified 28 houses, which were in darkness for the last 35 years. 55 IEEE student members and 5 faculty members were involved in this project. The project was

WIE Wave

In connection with International Women's Day, IEEE WIE AG of Kerala section also conducted a series of programs in different student branches, under the name 'WIE Wave'. Starting from the planning to the execution, everything were exclusively done by girls. Each Hub found a way to reach out to its student members through workshops, tech talks, seminars, etc. More than 80 events were conducted across Kerala, in one week, each parading the never fading fire and passion within them. Staying true to its name, it was indeed a WIE Wave! Few programs are listed below.

WIECON held on 8th March 2017 at Sreechithira Thirunal College of Engg, Thiruvananthapuram.



A Woman in Engineering Conference was organized by IEEE SCTCE SB in view of International Women's Day.

The conference had a panel of notable and renowned speakers including VSSC Scientist Ms. Subha Warriar, renowned author and columnist Ms. Khyrunnissa, Film Director Ms. Vidhu Vincent, Former Chief Secretary of Kerala Mr. Jiji Thomson and Former Secretary of IEEE Kerala Section Ms. Sarada Jayakrishnan.

Ladies Who Stole The Lime Light held during 7-10 Mar 2017 at College of Engineering, Thiruvananthapuram

IEEE SB CET conducted a week full of WIE events including seminars, tech talks and marathons graced by the presence of Gomathi, the former Chair, Kerala Section and the first women engineer of Kerala. In addition to this, WIE AG took a step different from the usual events and submerged itself in the world of fantasies, comics and super heroes! The volunteers made merchandises, exhibits and cosplay projects.

Athena held during 9-11 Mar 2017 at Govt. Engg College, Kannur

The IEEE WIE AG of Govt. Engg College, Kannur conducted a series of workshops including Workshop on Signal Processing for Biomedical Application handled by Dr. Thasneem Fathima, Asst. Professor, MES College of Engineering. And another workshop on Participatory Theatre handled by Dr. Ramani Ramachandran, Lecturer in Psychology at Calicut University.

AUTOMANIA Workshop held on 12th May 2017 at MES College of Engineering, Kuttippuram

WIE AG of IEEE MESCE SB conducted a technical workshop AUTOMANIA, on how to befriend your vehicle, exclusively for girls. The first session started with introductory class on traffic rules etc while the second part was set of mechanical workshop where the participants had hands-on experience on trouble shooting and such of automobiles.

Report by: Sathi Krishnan, sathikrishnan@ieee.org

Facebook reveals use of AI to tackle terrorist content: US social media giant Facebook has revealed that it uses artificial intelligence (AI), including image matching and language understanding, in addition to its human reviewers to identify and remove terror-related content from its platform. This comes as Facebook faced pressure from governments to identify and prevent the spread of "terrorist propaganda" on its service.

CIA hacked Wi-Fi routers for years: WikiLeaks: Leaked secret documents posted by WikiLeaks on its website revealed that the CIA has been hacking home, office and public wireless routers for years in an effort to carry out covert surveillance. The documents further revealed that the CIA had by mid-2012 developed implants for roughly 25 different devices from 10 different manufacturers, including Asus, Belkin, D-Link, Linksys and Netgear.

Indian government portal was hit by WannaCry ransomware: The MCA21 portal of Ministry of Corporate Affairs, which is used by companies for making filings, was hit by the WannaCry ransomware attack last month, according to an official document. The attack was "presumably" one of the first such attacks on a Government of India portal. As per the document, the system servers were formatted and the systems were redeployed