

IEEE Kerala Section Events

Malabar Subsection: Roadmap to Success in Engineering Studies



"Roadmap to Success in Engineering Studies 2017" is the 6th edition of the flagship event hosted by IEEE Malabar Subsection (MSS) (Under Kerala Section) since 2012 which was first initiated by Prof. (Dr.) K P Mohandas, the founder chair of MSS.

The main objective of the program is to introduce the feature, scope and academic structure of various engineering disciplines like Electronics Engineering, Electrical Engineering, Computer Science and Engineering, Information Technology, Mechanical Engineering, Automobile Engineering, Production Engineering, Civil Engineering and Architecture, to engineering aspirants who have completed 12th standard and looking forward for admission in engineering courses. This event is a very popular program initiated by IEEE Malabar Subsection, later then emulated to IEEE Kerala Section at various geographic locations.



In 2017, the event was held on 20th of May at Regional Science Centre & Planetarium (RSC & P) Calicut in association with The Institution of Engineers (India) Kozhikode Centre. The event, started with a welcome address by Prof. (Dr.) Gopakumar A., Chair MSS was formally inaugurated by Dr. Sivaji Chakravorti, Director NIT Calicut and Chair of IEEE India Council. In his inaugural address, Dr. Sivaji Chakravorti, pointed out that students need to have discipline, good observation and communication skills for a successful engineering career.

Mr. Edet Bijoy K., Secretary MSS presented an overview of the program and Mr. V S Ramachandran (Director, RSC & P, Calicut), Mr. Jithesh C (Honorary Secretary, The Institution of Engineers (India) Kozhikode Centre) offered felicitations. Dr. Dhanaraj K J (Treasurer MSS) presented the vote of thanks at the inaugural session.

The technical sessions started with Dr. Saji Kuriakose (Professor & Director, FIMS Calicut) on Managerial & soft skills for Engineering Students which was followed by Prof. (Dr.) K P Mohandas (Retired Professor and Dean NIT Calicut and MES College of Engineering) on Tips for Engineering Studies. After these sessions two recent graduates Mr. Abby P Joby (NIT Calicut Alumnus) and Mr. Arun (Alumnus of Jyothi Engineering College and Entrepreneur) shared their experience and discussed on how to become a successful engineering graduate.

In the afternoon, the sessions on Career Paths in Civil, Architecture & Construction, Career Paths in Computer Science & IT, Career Paths in Mechanical & Production, and Career Paths in Electronics, Electrical & Instrumentation were handled by Prof. (Dr.) Mohammed Firoz C (NIT Calicut), Prof. (Dr.) Vineeth Kumar Paleri (NIT Calicut), Prof. (Dr.) Vinay V Panicker (NIT Calicut) and Prof. (Dr.) Sathidevi P S (NIT Calicut) respectively. In the concluding session, a panel discussion was held in which the students interacted with the speakers and the discussion were fruitful. The event was concluded with the vote of thanks by Mr. Edet Bijoy K, Secretary MSS. With 70 participants, the event was a grand success.



The IEEE SB of Govt. College of Engineering, Kannur (GCEK) successfully conducted WISE 2.0 (Women In Society Enrichment), the second edition of the digital literacy program intended to spread digital literacy among people of different areas and privileges, so as to make them capable of coping up with the fast changing digital world. This was a sequel one to the most successful WISE 1.0 held throughout the Malabar Hub during 2016. This year, the Malabar subsection extended the WISE 2.0 to other hubs and aimed at a training session to the volunteers to make them aware about its mission.

At the inaugural session, Ms. Aiswarya Sukumar, the Vice Chairperson of IEEE SB, GCEK welcomed the gathering. The event was presided over by Prof. Laseena CA, the SB Counsellor. Dr. C Sreekumar, Principal who inaugurated WISE 2.0 appreciated the team behind this initiative and wished all success for the programme. Prof. Saritha M, the WIE coordinator of GCEK felicitated the gathering. Ms. Anitha, the CDS Chairperson (Kudumbasree), Anthoor Municipality, inspired the audience with her powerful words. Ms. Amrita S Venu, the WIE coordinator, Malabar Hub proposed the vote of thanks.

The inaugural was followed by an interactive session engaging the representatives numbering about 30 of the Malabar Hub. It was made evident that WISE is a digital literacy programme which provides awareness to women about the digital world. The delegates were divided into five groups and discussed on how they can educate women folks who are not even aware about the basics of the digital era. After brainstorming, each team, presented their ideas & suggestions while the others could challenge their views and get clarifications.

The suggestions proposed by each team are as follows:

Team 1 began with their experience of using Google Maps throughout their way to college. They emphasized on the need to provide awareness on bill payment, checking mails, online scholarship submission, giving advertisements of Kudumbasree products etc.

Team 2 began by stating the problems faced while introducing the basic digital terms. They gave importance to those areas where women are more interested in and assured to provide continuous regular classes. They also put forward the idea of making women familiar with computer through gaming. They also explained how familiarization of the app icons can prove effective.

Team 3 began airing their views by stating how speed dialling, shortcuts, etc. can help digitally illiterate women. Then they went on and remarked that women have to be made fearless while using online websites, making transactions etc. They felt training sessions can be made more interesting by making the participants able to select and watch TV shows, cookery shows, do online shopping etc. Some other suggestions put forward by this team include

- Start from smartphones with the help of family members and then turn to computer.
- Teach them only useful applications according to their age groups.
- Enable them develop self-confidence while using the applications by sharing one's own experiences.

Team 4 were of the view that categorizing women according to their age, efficiency, attitude etc., can be beneficial as they explained how above the age of 70, it becomes difficult to catch the technical terms. They also stated that women have to be made more interactive and also explained the importance of using their native language in order to make things clear.

Team 5 started by emphasizing the importance of Akshaya centres. The team also suggested to form a WISE Community to make women more enthusiastic.

The volunteers who participated in the WISE 1.0 shared their experiences and the challenges faced by them. In order to prevent the occurrence of the inconveniences faced during WISE 1.0, it was decided to divide women into three groups: Beginners, Intermediates and Advanced. The benefits of such a three level system were explained by the hub representatives.

In the afternoon, there was a training programme by the WISE volunteers for the Kudumbasree Unit members who had come to become a part of the digital literacy program. The delegates and volunteers assisted the Kudumbasree members in studying the basics of computer, Google etc. The Unit members were thankful to the volunteers. They expressed their

happiness for being called to attend this event. They were able to make a small but huge step in the digital era. They assured that they would certainly come for the further classes and bring other members too.



The event which had a great humanitarian touch was indeed a platform for the volunteers to share their knowledge about the digital world. This one day programme came to an end with a feedback session.

Kochi Sub Section: IEEE TENSYP - 2017



IEEE TENSYP 2017, the 3-day Spring Conference of IEEE Region 10 was held at the picturesque location of the Le Meridian Hotel, Cochin, Kerala, India, in the presence of an eminent group of dignitaries, delegates, leading lights of the society and various national and international establishments, from July 14th to 16th 2017. The theme ‘Technologies for Smart Cities’ was apt in the light of its relevance when India is on its way to develop 100 Smart Cities covering its entire geography.

IEEE TENSYP is one of the most prestigious IEEE conferences held annually in Asia Pacific region. TENSYP 2017 was inaugurated on 14th July 2017 by **Dr. K. T. Jaleel**, the Hon. Minister for Local Self Government, Kerala State. **Dr. U.B. Desai**, the Director of IIT Hyderabad was the chief guest and delivered the keynote on “Technology for Smart Cities”.

The conference was the meeting point of researchers, engineers, teaching faculty, students, practitioners, industrialists and the government officials who set out to explore the latest developments in technology. The Conference saw the top international leaders from IEEE and Region 10 (Asia Pacific), as well as representatives of the IEEE Sections from different parts of India.

The conference had two main plenary talks, first, on Saturday, 15th July 2017 by **Mr. A. P. M. Muhammed Hanish IAS** who spearheaded the effort to make Cochin a part of the Govt. of India’s Smart City project. The second plenary talk was given on 16th July 2017 by **Dr. Kukjin Chun**, Director of IEEE R10.

The conference also featured high quality tutorials, workshops and industry sessions, as well as keynotes from prominent researchers and industry professionals. Researchers from universities and institutions presented their papers on topics such as: Smart Energy, Smart Health, Smart Mobility, Smart Building, Smart Waste Management, Smart Communication etc.,

The deliberations on the second day covered a wide spectrum of topics and was substantiated by the WiE (Women in Engineering) Track, R10 SAC (Student Activity) and R10 YP (Young Professionals) Track. The event concluded in the evening of 16th July 2017 with a valedictory ceremony on a boat ride along the Cochin Marina.

Over 133 scholarly papers were presented at TENSYP 2017 in four parallel tracks spread over two days. All papers presented at the conference have been selected to be published in IEEE Xplore, the widely respected digital library of IEEE that is an international benchmark among scholarly publications.



Bad Predictions

- "I think there is a world market for maybe five computers." -- *Thomas Watson, chairman of IBM, 1943.*
- "Where a calculator on the ENIAC is equipped with 18,000 vacuum tubes and weighs 30 tons, computers in the future may have only 1,000 vacuum tubes and weigh only 1.5 tons." -- *Popular Mechanics, 1949*
- "I have traveled the length and breadth of this country and talked with the best people, and I can assure you that data processing is a fad that won't last out the year." -- *The editor in charge of business books for Prentice Hall, 1957.*
- "But what...is it good for?" -- *Engineer at the Advanced Computing Systems Division of IBM, 1968, commenting on the microchip.*
- "There is no reason anyone would want a computer in their home." -- *Ken Olson, president, chairman and founder of Digital Equipment Corp., 1977.*
- "640K ought to be enough for anybody." -- *Attributed to Bill Gates, 1981, but believed to be an urban legend.*
- "This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us." -- *Western Union internal memo, 1876.*
- "The Americans have need of the telephone, but we do not. We have plenty of messenger boys." -- *Sir William Preece, chief engineer of the British Post Office, 1876.*
- "The wireless music box has no imaginable commercial value. Who would pay for a message sent to nobody in particular?" -- *David Sarnoff's associates in response to his urgings for investment in the radio in the 1920s.*
- "While theoretically and technically television may be feasible, commercially and financially it is an impossibility." -- *Lee DeForest, inventor.*
- "The concept is interesting and well-formed, but in order to earn better than a 'C', the idea must be feasible." -- *A Yale University management professor in response to Fred Smith's paper proposing reliable overnight delivery service. (Smith went on to found Federal Express Corp.)*
- "Who the hell wants to hear actors talk?" -- *H. M. Warner, Warner Brothers, 1927.*
- "We don't like their sound, and guitar music is on the way out." -- *Decca Recording Co. rejecting the Beatles, 1962.*
- "Radio has no future. Heavier-than-air flying machines are impossible. X-rays will prove to be a hoax." -- *William Thomson, Lord Kelvin, British scientist, 1899.*
- "So we went to Atari and said, 'Hey, we've got this amazing thing, even built with some of your parts, and what do you think about funding us? Or we'll give it to you. We just want to do it. Pay our salary, we'll come work for you.' And they said, 'No.' So then we went to Hewlett-Packard, and they said, 'Hey, we don't need you. You haven't got through college yet.'" -- *Apple Computer Inc. founder Steve Jobs on attempts to get Atari and HP interested in his and Steve Wozniak's personal computer.*
- "With over 50 foreign cars already on sale here, the Japanese auto industry isn't likely to carve out a big slice of the U.S. market." -- *Business Week, August 2, 1968.*