

& ENERGY SOCIETY SB CHAPTER CEK

ANNUAL REPORT













IEEE Power & Energy Society SBC College of Engineering Karunagappally

Who we are?

The **IEEE PES SBC CEK** forms the hub of a vibrant technical community of more than 50 student members dedicated to transforming breakthroughs electrical engineering ,power systems and products to revolutionize our daily lives.

What we are doing?

As a small engineering college in the state of Kerala, India. We are mainly focusing on maximum benefits to our student members by conducting regular programmes under IEEE Power & Energy Society Student Branch Chapter of College of engineering Karunagappally which include Workshops, Expert talks, Industrial visits etc.

College of Engineering Karunagappally

The Government College of Engineering Karunagappally (CEK) is a public institute of engineering and technology in Karunagappally, in the north-west of Kollam district, Kerala, India. Established in 1999 by the Government of Kerala, it is the second engineering college in Kollam district the fourth engineering college under the aegis of the state government's Institute of Human Resources Development in Electronics. The institute was affiliated to Cochin University of Science and Technology until 2014 and the A P J Abdul Kalam Technological University since 2015.

The college offers four undergraduate programmes and two postgraduate programmes in the field of engineering and technology. Since 2012 it has been aided by the World Bank under the Government of India's TEQIP Programme







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IEEE Student Branch CEK

IEEE Student Branch College of Engineering Karunagappally(STB03951) aka IEEE SB CEK is one of the oldest IEEE Student Branch in Kerala Section, Travancore Hub (Formerly Hub No-1). It is one of the vibrant student branch with 140 Student Members and 08 Graduate Student Members

Today IEEE SB CEK has one affinity Group and Three Societies

- IEEE WIE College of Engineering Karunagappally (Founded on 2010)
- IEEE Computer Society Chapter CEK(Founded on 2015)
- IEEE PES Chapter CEK (Founded on 2016)
- IEEE IAS Chapter CEK (Founded on 2017)









The affinity group & Societies are very active IEEE Computer Society recently conducted variety of programmes one of the key event is DRONIA- Two day workshop on quad copter. Power & Energy Society Student Branch Chapter also conducted several programmes one of the key initiative is PES Class Room program. The IAS Chapter officially formed in the end of November 2017. The official inauguration and activities will be started by the second week of January 2018. As per the suggestions from electronics students SB will start IEEE RAS Student Branch Chapter in 2018 to know and study more about robotics & automation.







IEEE PES College of Engineering Karunagappally STBC03951

Application to IEEE MGA : 30 October 2015

IEEE PES CEK approval : 08 February 2016

Geo Code : SBC03951

SB Code : STB03951

Section : Kerala

Region : R10

Execom 2017(Up to May)*

Advisor : Raju M

Chair : Anandhu S Kumar

Vice Chair : Hari Prasad

Treasurer : Anandhu A

Execom 2017(Acting)

Advisor : Haseena P Y

Chair : Anandhu A

Vice Chair : Hari Prasad

Treasurer : Ananthu Sekhar R

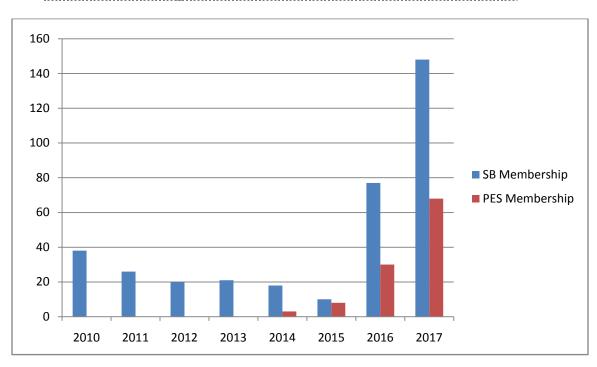
^{*}Execom has been changed due to the Staff/Student transfer policy of Institute of Human Resource Development (IHRD), Government of Kerala.







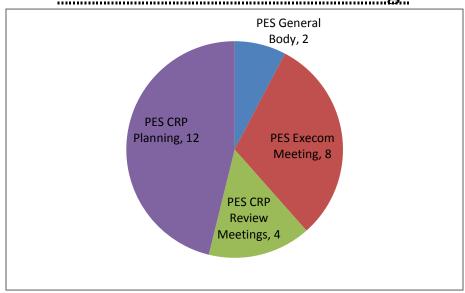
Membership Statics (From 2010onwards)



Highlights of PES SBC CEK

- ➤ PES Classroom program
- ≥ 3rd edition of E- Base
- ➤ Regular MAT Lab Workshops

IEEE PES SBC CEK Meetings









Program Reports

1. MAT LAB Workshop

MAT LAB is one of the important stimulation software in the field of engineering especially in electrical engineering so the IEEE PES SBC of College of Engineering Karunagappally has been decided to conduct the MAT LAB workshop on March 4th & 5th 2017

The workshop conducted exclusively for second & third year IEEE members. The classes handled by final year PES members. The first day of workshop mainly focused on basic circuit design and its stimulation. In second day the classes focused on large circuits, debugging technology etc..









2. PES Class Room Program(PES CRP)

It is the new initiative of IEEE Power & Energy Society CEK. Here we are collecting the doubts topic among IEEE members in the field of electrical engineering and the classes will be conducted under PES SBC by the students. About 13 CRP has been conducted in the year 2017. The main topics covered in this program are Control System, Power system analysis, Electrical Design etc..

"A Program for the students by the students under Power & Energy Society"

- New initiative
- ❖ Mainly focused on academic learning
- * Regular planning meetings
- * Regular review meetings









3. E- Base 3.0

This is the 3rd edition of basic electrical workshop for first year students. The first edition has been conducted by IEEE SB. The 2nd edition onwards under IEEE PES SBC. This is conducting to aware the first year students about various type of wiring methods, basic electrical machine familiarization etc.. The 3rd edition has been conducted on 12th September 2017. Total number of participation 62











4. Fresher's PES orientation

IEEE Student Branch ,College of Engineering Karunagappally(IEEE SB CEK) decided to conduct an orientation class on IEEE for first year students(2018-21)on 19th September 2017 . The first phase of the program –Inaugural Address by our Counselor Mrs.Sabeena K(CS Department) ,History of IEEE SB CEK by our Chairman Mr. Yedu Krishnan(S7 ECE) , followed by a class on History of IEEE by Anandhu S Kumar(Former Chairman).

The program starts at 09.00 AM, the first half of the session mainly concentrated in the familiarization of IEEE SB, followed by different ice-breaking sessions in between. Anandhu helped the students to understand the benefits of IEEE. After the lunch break Hari Prasad(S3 EEE)Started his class by a introduction of current technical updates of IEEE, followed by another class on benefits of IEEE for KTU students. There was 74 participants for the program. The program was very helpful for the first year students. All of them were very much satisfied with the program. Anandhu cleared all the doubts regarding IEEE and IEEE PES, for the students. All of them were assured that they will join IEEE and Societies and will be an active member hereafter.









5. PES Quiz

As part of IEEE Day Celebration IEEE PES Kerala Chapter conducted PES Quiz in every SB. Our PES Chapter also become part of this wonder full event on 3rd October 2017. we are conducted PES quiz in the morning session as part of the direction from Kerala Chapter.

Total No of Participation: 68











Future Plans of PES Student Branch Chapter CEK







- ➤ In association with our IEEE IAS chapter we are planning to conduct industrial Visits in upcoming year
- > To Conduct 2nd edition of PES Class Room Program
- ➤ Mentoring PES Members for In plant training in various generating stations in India
- ➤ Regular Workshops & Technical talks
- > Apply for Membership Driven initiative of PES 2018
- ➤ Women in Power initiative







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