



MAR BASELIOS CHRISTIAN
COLLEGE OF ENGINEERING & TECHNOLOGY
KUTTIKANAM, PEERMADA

A Report on
NATIONAL CONFERENCE ON RECENT ADVNCES IN
ELECTICAL AND ELECTRONICS ENGINEERING
(NCREEE'19)

ORGANISED BY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

27 APRIL 2019

PREFACE

NCREEE' 19 is organized by Department of Electrical and Electronics Engineering in association with Kerala State Electrical Board Employees Association(KSEBEA) and IEEE Power and Energy Society(PES), Mar Baselios Christian College of Engineering and Technology, Kuttikkanam, Peermade for presenting and sharing recent accomplishments and technological developments in the field of Electrical and Electronics Engineering.

NCREEE'19 provides platform for new advances and research results. The organizing committee of NCREEE'19 invites engineering students, research scholars, academicians, scientists and industrialists nationally to submit original unpublished manuscripts that illustrate significant contribution to the research and developments in Electrical and Electronics Engineering.

NCREEE' 19 has received 259 high quality paper submission from various states of India. After rigorous review process, the program committee accepted 78 papers for inclusion in the conference proceedings. The primary goal of this conference is to provide a platform to elaborate the contributions in the field of Electrical and Electronics Engineering. This conference also intends to bring eminent, academicians, researchers, scientists, engineers and students to share their knowledge. Bringing out their innovating ideas and research outputs related to their areas of expertise their suggestions and improvements to the conference theme.

PRECONFERENCE

STEP NO. 1(15/01/2019):

DECIDED ON THEME AND NAME FOR THE CONFERENCE

The department decided to conduct an national conference named 'National Conference on Recent Advances in Electrical and Electronics Engineering(NCREEE'19) and suggested a date on 27 April 2019.Pre conference duties allotted to staff members and core committee formed.

CONVENOR: Prof. Robins Anto

EVENT CHAIR: Prof. K Kanchana

Coordinators: Prof. R Griesh

Prof. Sherin Samuel

Finance Chair: Prof. Tomina Thomas

Brochure and Website Activities: Prof. Fini Fatima

Prof. Lordson Devasia

STEP NO. 2 (29/01/2019):

PREPARATION OF BUDGET AND REQUEST LETTER

From the initial budget preparation, The approximate expense is calculated is around Rs.1,00,000/- and 50% of expense is collect from outside participants. The department requested to college management an amount of Rs.50,000/- for conducting the conference. The steering committee and advisory committee finalized. Decided to invite Kerala State Electricity Board Employees Association (KSEBEA) and IEEE PES to associate with this program. Rough brochure prepared and decided to give best paper award with a cash prize of Rs.2,000/-. The conference theme divided into 15 tracks for the submission of the paper.

1. Electrical Machines and drives
2. Power semiconductor devices
3. Renewable energy sources
4. FACTS, HVDC, Power quality
5. Automobile Electronics
6. Control and Instrumentation
7. Artificial Intelligence
8. Battery modelling
9. Power converters and applications
10. Power electronics Design issues
11. Smart/Micro grid
12. Energy efficiency in electrical systems
13. Hybrid Electric vehicles
14. Medical Electronics
15. IoT based Applications

STEP NO. 3 (15/02/2019):

SELECTION OF TENTATIVE DATES AND REGISTRATION OF PARTICIPANTS

The dates and registration fee are

Submission of the abstract: 10.04.2019
Intimation of acceptance: 18.04.2019
Full Paper Submission: 23.04.2019
Last date of registration: 24.04.2019

Registration Fee

Students(UG and PG research Scholar) – Rs.1000

Faculty – Rs. 1200

Industrial and research Organization – Rs.2000

Registration of participants /submission of paper through easy chair or through mail ID ncreee19@mbcpeermade.com or through website via Google form. Registration fee to be send by DD I favour of “The Principal, MBCCET, Peermade or online payment

Account No. 6704484722

IFSC code:SBIN0070109

Address: The Principal, MBCCET, PEERMADE

Kerala State Electricity Board Employees Association (KSEBEA) and IEEE PES decided to associate with this program and added their logo in brochure.

STEP NO. 4(03/03/2019):

JOURNAL PUBLICATION

All accepted journals will publish in Scopus indexed /UGC listed journals.Prof. Robins Anto and Prof. K Kanchana decided to consult with paid and unpaid Scopus indexed journals , UGC approved journals.

STEP NO. 5(05/03/2019):

ADVERTISEMENT OF CONFERENCE AND PURCHASING OF STATIONARY ITEMS

The advertisement of conference through College website, Social media like What’s app group and Facebook page, through phone call to Head of the department and project coordinators of departments by personal contacts of faculty and to visit nearby colleges by students and faculty. Prof. Deepa, Prof. Annu, Prof. Rinu, Prof. Vineetha agreed to visit colleges near by their home town. Detailed duty list Brochure and invitation letter finalized.

Rs 1000/- registration fees are considering one participant, for each additional participant kindly remit an additional fees of Rs 500/-(This includes, Conference kit, Lunch, T, and certificate), However, if only Conference certificates are needed for Co-authors, pay only Rs 100/- each per author. Kindly note that fro PG Scholars and UG NO amount need to pay for supervisors/ Guide certificate.

STEP NO. 6(02/04/2019):

PREPARATION OF CONFERENCE PROCEEDINGS AND PROGRAM SCHEDULE

Decided to invite Dr. Rajesh Joseph Abraham, Associate Professor, Department of Avionics, IIST Trivandrum and he accepted and agreed our invitation. MoU signed with Journal of Emerging technologies and innovative research(JETIR) –ISSN:2349-5162, UGC

No. 63975.IETE Technical Review ,Indian Journal of Environmental Protection(Scopus Indexed journals) agreed to publish journal papers with review of their committee.

Review of papers and plagiarism checking conduct by papers divide based on tracks and review is done. Prof. Lordson and Prf. Fini starts to prepare conference proceedings from the advice of review committee and program schedule prepared and Duty list published for the day 27 April 2019. Intimation of registered participants about review starts.

STEP NO. 7: 25/04/201

CONFERENCE DAY PROGRAM REVIEW COMMITTEE

Prof. Ansu prepared list of participants and arranged certificate for them

Prof. Lordson and Prof. Fini prepared the list of registered participants and ensured their participation and presented the count of participants.

Prof. Lordson ,Prof. Robins Anto and Prof. Fini prepared final conference proceedings to take print out presented in review committee and approved

Prof. Vineetha prepared Registration form, feedback form, evaluation sheet and approved by core comiitee. She divided the papers into five tracks arrange rooms for each track track. Judges were finalized.

- Venue 1-TRACK 1-P G Scholars-Prof. Robins Anto,HoD, Dept. Of EEE
Dr. KrishnaKumar M , Chief Engineer, KSEB
Mini Auditorium MBCCET
- Venue 2- TRACK 2--U G students Electrical and Electronics Engineering-
Dr. Teena Joseph, Associate Professor-Dept. of CSE
Er. Haridas Vijayan- Assistant Engineer, KSEB
PTA Seminar Hall
- Venue 3- TRACK 3- U G students Electrical and Electronics Engineering –
Dr. K K anchan Associate Professor, Dept. of EEE
Er. Johnson, Assistant Engineer,KSEB
Room No. 126-
- Venue 4- TRACK 4- U G students Electronics and Communication Engineering-
Dr. Anoop T R, Associate Professor, Dept. of ECE
Prof. Jobin Varghese-Assistant Professor-Dept.of ECE
Prof. Tom J Kuriakose-Assistant Professor-Dept.of ECE
Room No. 125
- Venue 5- TRACK 5 -Poster Presentation
Dr. Chitra V S, Associate Professor, Dept. of CE
Prof. Rahul Ajith- Assistant professor, Dept. of CSE
Room No. DH-3

These arrangements approved by committee

Prof. Sneha priya Sebastian arranged conference kit to participants and registration counter set by divide counter into five tracks based on the paper topics

Prof. Resmara concludes about advertisement process that Prof. Vineetha and Prof. Annu , Prof. Deepa and Prof. Rinu visit around 12 colleges near Kottayam and Ernakulam. 150 numbers of invitation sent by India Post in Kerala and Tamilnadu

Prof. Anoop Joy arranged Food and refreshment for guest and participants from college canteen. Food menu and count discussed and approved, conference kit, feedback form completed.

CONFERENCE DAY- 27 APRIL 2019

On conference day, registration started from 9.00 AM. Registered participants were allocated to their venue. Paper presentation started around 10.00 AM in the morning. 34 groups registered for the conference. Paper presentation break for the inauguration ceremony which held at College mini auditorium at 10.50 AM.

INAGUARION CEREMONY

The inaugural ceremony of the “National Conference on Recent Advances in Electrical and Electronics Engineering(NCREEE’19)” commenced with prayer at 10.50 AM



Prof. Robins Anto— Convenor, NCREEE, HOD- Dept. of EEE welcomed the gathering and the guest of honor, participants of the program, teaching and non teaching staff and students.



Prof. K Kanchana , Event Chair , Associate Professor, Department of EEE, Introduced the program NCREEE19 and the steps taken to conduct the conference and she explains the importance of paper presentation in a conference.



The presidential address was delivered by Rev. Fr. C John Chirathilattu, Cor-Episcopa (Former Director, MBCCET) who welcomed the gathering and cherished the presence of a chief guest for the inaugural function. “I Believe extra-curricular input for students in addition to classroom learning is essential for the all round holistic development of a student.” He said that the transformation required in college should be swift and fast as we have only 4 years in college as opposed to a long schooling education. This transformation cannot be achieved unless backed by self-initiated soft skills and creativity development.



Dr. Pradeep C. Principal, MBCCET, Program Chair addressed the program and he says that there is no need to search for innovative ideas. “Keeping your eyes and ears open is enough to identify the problems and finding solutions”. All of us have the underlying quality to innovate and asked the students not to underestimate their talents. “The boundaries in engineering studies have vanished in recent times and it has become a sort of combined engineering with multidisciplinary engineering groups.”



The inauguration and lighting of lamp by a group of dignitaries Prof. Robins Anto— Convenor, NCREEE, HOD- Dept. of EEE, Prof. K Kanchana , Event Chair , Associate Professor, Department of EEE , Rev. Fr. C John Chirathilattu, Cor-Episcopa (Former Director, MBC CET) , Program Chair : Dr. Pradeep C. Principal, MBC CET, Chief Guest— Dr. Rajesh Abraham Joseph, Indian Institute of Space Science (IIST) Trivandrum, Dr. Krishnakumar M, Member Advisory board NCREEE19,KSEBEA, CEEBA, Dr. Nirmala Joseph, General Chair NCREEE & Dean Students Affairs MBC CET, Prof. Manoj Nallathadathil ,HOD , Department of CE, Dr. Anoop K J (Program Chair & Dean Academics MBC CET



Keynote Addressed by the Chief Guest Dr. Rajesh Abraham Joseph, Indian Institute of Space Science (IIST) Trivandrum. He says that helping the common man is the most important job of an engineer. There are many people in advanced research and technology but very few people to innovate at the basic level and help the common man.” This cannot happen all of a sudden. This needs creativity which can only be developed through involvement in extracurricular activities



At 11.40 am Released the Proceedings of the National Conference by Dr. Rajesh Joseph Abraham and Dr. Pradeep C



Dr. Krishnakumar M, Member Advisory board NCRREEE19,KSEBEA, CEEBA, addressed all the participant and he was very happy to associate this program



Felicitation by Dr. Nirmala Joseph, General Chair NCREEE & Dean Students Affairs MBCCET,



Felicitation by Prof. Manoj Nallathadathil ,HOD , Department of CE,



Vote of thanks by Dr. Anoop K J (Program Chair & Dean Academics MBCCET, PEERMADE. The program is ended at 12.30 PM



The inauguration program ended at 12.30 PM, After lunch paper presentation continues in respective venues till 2.45 PM

GROUP PHOTO WITH STAFF MEMBERS



GROUP PHOTO WITH STUDENT COORDINATORS



GROUP PHOTO WITH STUDENT PARTICIPANTS



PAPER PRESENTATION VENUE

VENUE 1- Mini Auditorium MBCCET

TRACK 1-

Catogary-P G Scholars-

Judges-Prof. Robins Anto, HoD, Dept. Of EEE

Dr. KrishnaKumar M , Chief Engineer, KSEB



VENUE 2- PTA Seminar Hall

TRACK 2—

Catogary -U G students Electrical and Electronics Engineering-

Judges- Dr. Teena Joseph, Associate Professor-Dept. of CSE

Er. Haridas Vijayan- Assistant Engineer, KSEB



Venue 3- Room No. 126

TRACK 3-

Catogary U G students Electrical and Electronics Engineering

Judges- Dr. K Kanchan Associate Professor, Dept. of EEE

Er. Johnson, Assistant Engineer, KSEB



Venue 4- Room No. 125

TRACK 4-

Catogary -U G students Electronics and Communication Engineering-

Judges -Dr. Anoop T R, Associate Professor, Dept. of ECE

Prof. Jobin Varghese-Assistant Professor-Dept.of ECE

Prof. Tom J Kuriakose-Assistant Professor-Dept.of ECE



Venue 5- Room No. DH-3

TRACK 5 –

Catogary -Poster Presentation

Judge-Dr. Chitra V S, Associate Professor, Dept. of CE

Prof. Rahul Ajith- Assistant professor, Dept. of CSE



CLOSING CEREMONY

Closing Ceremony started at 2.45PM with prayer song.



Prof. Deepa K suresh welcome all dignitaries



Dr. Pradeep C, Principal MBCET Peermade –President of the function addressed the function



Dr. K Kanchana Consolidated the program



Dr. Anoop K J, Dean academics and Program Chair and Er. Haridas Vijayan, KSEBEA, Member of steering committee of NCREEE'19 review the program from preconference work to end the program.



Certificate and memento distribution for appreciation to KSEB members and participants



Participant Feedback Ms. OSHIN PETER, M.Tech Student, Rajagiri College of Engineering, Ernakulam.



Best paper award given to Ms. OSHIN PETER, M.Tech Student, Rajagiri College of Engineering, Ernakulam



Addressed by Prof. Vineetha P Joseph



Vote of thanks Prof. Robins Anto— Convenor, NCREEE, HOD- Dept. of EEE



The program ended with national anthem at 3.30 PM

Report prepare by

Event Chair

Convenor and

Principal

Head of the Department

SHERIN SAMUEL

Dr. K Kanchana

Prof. Robins Anto

Dr. Pradeep C

Date:27/05/2019