



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NATIONAL CONFERENCE ON “FLOURISHING AREAS IN ELECTRICAL AND ELECTRONICS ENGINEERING” (NACOFEE’21) (in Virtual Mode)

CONFERENCE REPORT

Online mode: YouTube live stream (<https://youtu.be/9i5DycOHgG4>)

Google meet (<https://meet.google.com/mqs-tenj-mte>)

OBJECTIVE

Department of Electrical and Electronics Engineering, Kings College of Engineering has organized a one day National level Conference entitled **NACOFEE’21** on **12th April 2021**.

The major aim and feature of this conference is to bring together academicians, research scholars, engineers and industry researchers to exchange and share their experiences as well as to address the technical challenges they have faced and the solutions they have found. Academicians from various fields are invited to share their perspectives about the latest trends in their fields of expertise. This conference provides opportunities for the academicians and participants to exchange their new ideas and to establish research relations for future collaboration.

This conference focused on recent advances in Electrical and Electronics Engineering fields / disciplines, as described below.

- Automotive Electronics
- Control Engineering
- Electrical Storage
- Hybrid Electric Vehicle
- IoT in Electrical & Electronics Engineering
- Industrial Automation
- Renewable Energy Systems
- Reliability Analysis of Electrical Machines
- Soft Computing Techniques
- Smart Power Systems

CONFERENCE PREPARATION WORK

Dr. A. Albert Martin Ruban, Head/EEE assigned Dr. P. Narasimman and Mr. S. R. Karthikeyan, Assistant Professor / EEE as conference coordinators. They received permission from the Principal and Secretary to conduct the conference in online mode. Following approval, a list of tasks was identified, as well as a list of committees and their duties, which were prepared and distributed to staff members. The HoD and Principal gave their approval to the poster design. Following approval, the poster and registration form (google form) were circulated through WhatsApp and email to various engineering colleges.

We received 39 papers from engineering colleges across the country, covering a wide range of topics. The papers were submitted to our department's technical committee, where the originality of the papers was verified. Thirty-one papers were reviewed and notified to the authors via mail. To plan for the proceedings, the authors were asked to submit a camera-ready copy of their article.

Dr.V.Mohan, Professor & Head/EEE, E.G.S. Pillay Engineering College, Nagapattinam, was requested to deliver the keynote address at our conference via email. He gladly accepted our invitation and agreed to give the keynote speech. He has 23 years of teaching experience and has supervised several undergraduate and post graduate projects.

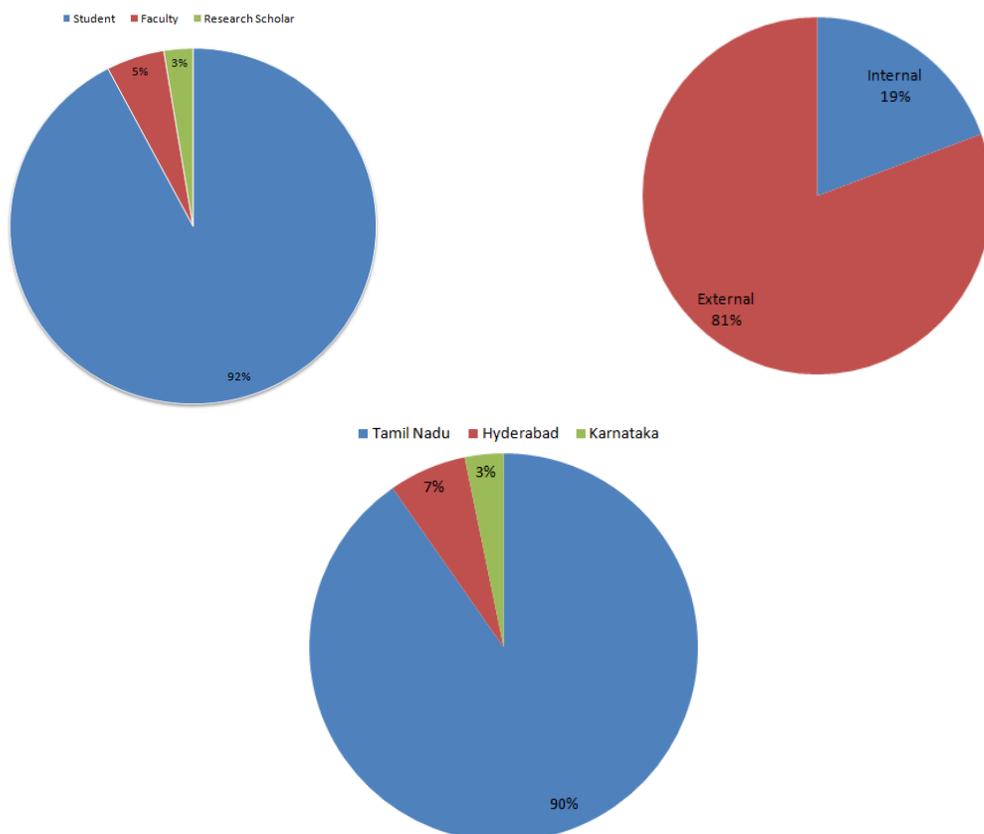


Figure 1. Response from the Registration Form

CONFERENCE DAY (12.04.2021)

The conference was conducted through online mode. Conference Coordinators, Convener, Vice Principal, Chief Guest and staff members joined through google meet link (<https://meet.google.com/mqs-tenj-mte>). Our college's YouTube channel (Kings College of Engineering) broadcasted the inaugural event. The inaugural function started at 10.05 am.

The welcome address was given by Mr.S.R.Karthikeyan, Conference Coordinator of NACOFEE'21. He greeted the dignitaries, faculty members and the students from various educational Institutions across the country. He also expressed his delight at seeing more external participants from various reputed colleges.

The Presidential address was delivered by Dr.J.Arputha Vijaya Selvi, the Principal of our college. Dr.V.Mohan, Professor and Head/EEE at E.G.S. Pillay Engineering College in Nagapattinam, was the chief guest and delivered the keynote address.

Dr.P.Narasimman AP/EEE, Conference Coordinator, thanked the management, Secretary, Principal, Vice Principal, Chief Guest, HoD, staff members and participants at the end of the inaugural event.

At 11:15 a.m., the technical session began. The participants were emailed a copy of the schedule. Dr.S.Sivakumar, Dr.A.Albert Martin Ruban, Dr.M.Meenalochani, Dr.P.Narasimman, Mr.R.Sundaramoorthi, Mr.S.R.Karthikeyan, Mr.J.Arokiaraj, Mr.C.John Selvaraj, Mrs.P.Thirumagal acted as Juries. The participants were directed to the Google Meet connection of their respective Jury member. The evaluation sheet, which included the paper id, team members, paper title, college name, and evaluation criteria, was provided to the Jury members. The evaluation is based on the presentation, concept and implementation and their responses to the questions. Each team had 15 minutes to present their topics (presentation - 10 minutes & query - 5 minutes). The juries' assessment sheets were gathered at the end of the session.

CONFERENCE FOLLOW-UP WORK

The participants were asked to submit the feedback form about the conference circulated to their email. Certificates and conference proceedings were provided to the attendees for their active participation in the conference via email.

COORDINATORS

HOD/EEE

VICE-PRINCIPAL

PRINCIPAL

ANNEXURE - I

Conference Poster

<p>Chief Patrons</p> <p>Dr.R.Rajendran, Ph.D <i>Secretary</i> Mr.T.R.S.Muthukumar, M.B.A <i>C.E.O</i></p> <p>Patron</p> <p>Dr.J.Arputha Vijaya Selvi, Ph.D <i>Principal</i></p> <p>Co-Patron</p> <p>Dr.S.Sivakumar, Ph.D <i>Vice Principal</i></p> <p>Conference Chair</p> <p>Dr.A.Albert Martin Ruban, Ph.D <i>HOD/EEE</i></p> <p>Organizing Secretaries</p> <p>Dr.P.Narasimman, Ph.D., <i>AP/EEE</i> Mr.S.R. Karthikeyan, M.E <i>AP/EEE</i></p>	<p>Advisory Committee</p> <p>Dr.Rad Stanev, University of Sofia, Bulgaria Dr.Andrii Chub, TeleTech University, Estonia Dr.Dilbag Singh, NIT, Jalandhar Dr. E. Latha Mercy,GCT,Coimbatore Dr.V.Geetha,GCE,Salem Dr.M.Venkata Kirthiga, NIT,Trichy Dr.P.Raja, NIT,Trichy Dr. S. Thangavel , NIT, Puducherry Dr. Gaddam Malleham,UCE,OU, Hyderabad Dr. Gayadhar Panda,NIT,Meghalaya Dr.L.Ashok Kumar,PSG,Coimbatore</p> <p>Technical Committee</p> <p>Dr. K. Yasoda, GCT, Coimbatore Dr.G.Giftson Samuel, SINCET, Nagai Dr.S.Albert Alexander, KEC, Perundurai Dr. K. Yasoda, GCT, Coimbatore Dr. J. S. Christy Mano Raj, GCE, Salem Dr.P.Sreejaya, CE, Trivandrum Dr.A.Lekshmi,CE, Trivandrum Dr. C. Krishnakumar,SCE, Tiruchirappalli Mr.B.Purushothaman, TANBIO R&D Solu.</p> <p>Address for communication</p> <p>The organizing secretary, NACOFEE'21, Department of Electrical & Electronics Engg, Punalakulam, Gandarvakottai Taluk, Pudukkottai, Dt. - 613303, Tamil Nadu, India. Email:nacofee21@gmail.com Cell: (+91) 98944 79763, (+91) 99438 96178.</p>	<p>V I R T U A L M O D E</p>	 <p>KINGS COLLEGE OF ENGINEERING <small>Approved by AICTE & Affiliated to Anna University NAAC Accredited & ISO Certified Institution Recognized Under 2(F) & 12 (B) of UGC Near Thanjavur, Punalakulam, Pudukkottai Dt. - 613303, Tamil Nadu.</small></p>  <p>National Conference on Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)</p> <p>Date: 12.04.2021</p>  <p><small>Organized by Department of Electrical and Electronics In association with IEEE Student Branch Punalakulam, Gandarvakottai Taluk, Pudukkottai Dt. - 613303, Tamil Nadu, India, www.kingsindia.net</small></p>
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<p>Call for papers</p> <p>The Focus of this conference will be on, but not limited to the following major areas</p> <ul style="list-style-type: none"> ❖ Electrical Storage ❖ Smart Power Systems ❖ Renewable Energy Systems ❖ Hybrid Electric Vehicle ❖ Soft Computing Techniques ❖ Reliability Analysis of Electrical Machines ❖ Automotive Electronics ❖ IoT in Electrical & Electronics Engineering ❖ Control Engineering ❖ Industrial Automation <p>Important Dates</p> <table border="1"> <tr> <td>Last Date for Paper Submission</td> <td>29.03.2021</td> </tr> <tr> <td>Last Date for Confirmation</td> <td>05.04.2021</td> </tr> <tr> <td>Last Date for Registration</td> <td>09.04.2021</td> </tr> </table>	Last Date for Paper Submission	29.03.2021	Last Date for Confirmation	05.04.2021	Last Date for Registration	09.04.2021	<p>Paper Submission</p> <p>Authors are invited to submit full paper of minimum 6 pages and maximum 10 pages, strictly as per the IEEE format (using two column, single spaced format with 10 pt) to nacofee21@gmail.com. The paper should include affiliation and email address along with author biography.</p> <p>Registration Fee</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Categories</th> <th>Fee(Rs.)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Under Graduate (UG)</td> <td>200</td> </tr> <tr> <td>2.</td> <td>Post Graduate (PG)</td> <td>300</td> </tr> <tr> <td>3.</td> <td>Research scholars and Industry persons.</td> <td>300</td> </tr> </tbody> </table> <p>Publication</p> <p>Selected papers will be published in a reputed journal with ISSN number (Journal Publication charges is not included in registration fees).</p> <p>About the institution</p> <p>Kings College of Engineering (KCE) was established in the year 2001 by Raj Educational Trust (RET). Our Institution was formed with the singular aim of providing quality education to the poor and underprivileged students of this region. Our steps are measured and taken with our goal in mind, which is to become a renowned institution where knowledge is a way of life.</p>	S.No	Categories	Fee(Rs.)	1.	Under Graduate (UG)	200	2.	Post Graduate (PG)	300	3.	Research scholars and Industry persons.	300	<p>We at Kings value the gift of Knowledge but do not put a price tag on it. We remain strong in our policy of "No Donations and No Capitation" and have focused in admitting students strictly on the basis of merit. Due consideration is given to the economical state of the family in admitting students from the under-privileged sections of the community. Situated on the Thanjavur - Pudukkottai Highway, The KCE campus spreads over 50 acres in a beautiful serene atmosphere ideally suited for technical education .The infrastructure and facilities available on campus are amongst very best which has made it as one of the most sought after college in this region</p> <p>About the department</p> <p>The Electrical and Electronics Engineering Department was started in the year 2001. The department of EEE offers 4 years B.E Course in Electrical and Electronics Engineering and 2 years M.E Course in Power Electronics and Drives. We have a team of highly qualified, experienced and dedicated faculty to impart quality education to the students. All the laboratories are well established with the state-of-art equipment and latest licensed software for simulation studies that will help our students to achieve their goals. Our department is certified by Quality Management Systems ISO 9001-2008.</p>
Last Date for Paper Submission	29.03.2021																			
Last Date for Confirmation	05.04.2021																			
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S.No	Categories	Fee(Rs.)																		
1.	Under Graduate (UG)	200																		
2.	Post Graduate (PG)	300																		
3.	Research scholars and Industry persons.	300																		

ANNEXURE - II

Requisition Mail and Acceptance Sample of Advisory & Technical Committee

 Gmail NACOFEE 21 <nacofee21@gmail.com>

Requisition to Act as a Advisory Committee for National Conference –Reg

Venkatakirithiga <mvkirithiga@nitt.edu> 12 March 2021 at 17:20
To: NACOFEE 21 <nacofee21@gmail.com>

Dear Sir / Madam,

Please consider this email as confirmation to add my name as Advisory Committee member for the said conference.

All the best for a successful event.

Regards
Dr.M.Venkatakirithiga

Quoting NACOFEE 21 <nacofee21@gmail.com>:

Dear Madam,

Kings College of Engineering (KCE) was born out of a dream and vision to provide education with unparallel quality to the young and enthusiastic students of our nation. The College is approved by the AICTE, New Delhi and affiliated to Anna University, Chennai and accredited by NAAC. We are delighted to inform you that our EEE department has planned to organize a National Conference on **"Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)"** *on 12th April 2021.*

In this regard, we wish to utilize your exposure in your technical field to act as ***Advisory Committee***. We hope you will be able to accept this
[Quoted text hidden]

—
Thanks and regards
Dr.M.Venkatakirithiga
Associate Professor
Department of EEE
National Institute of Technology Tiruchirappalli

 Gmail NACOFEE 21 <nacofee21@gmail.com>

Requisition to Act as a Technical Committee for National Conference –Reg

Yasoda Kailasam <yasoda@gct.ac.in> 15 March 2021 at 11:38
To: NACOFEE 21 <nacofee21@gmail.com>

Sir,

Thank you for your invitation. I would like to be member of the technical committee for National Conference on **"Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)"**. Kindly send me the brochure before circulating it to institutions.

K.YASODA, M.E., Ph.D.,
Assistant Professor,
Department of Electrical & Electronics Engineering,
Government College of Technology,
Coimbatore, Tamilnadu, India -641013

ANNEXURE - III

Registration Form



Kings College of Engineering, Punalkulam
Department of Electrical and Electronics Engineering

National Conference on "Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)"
Date: 12.04.2021

Title of the paper *

Short-answer text
.....

Abstract *

Long-answer text
.....

ANNEXURE - IV

Invitation



NAAC Accredited Institution
KINGS
COLLEGE OF ENGINEERING
Recognized under 2(f) & 12(B) of UGC
Approved By AICTE, New Delhi & Affiliated to Anna University, Chennai
Punalkulam, Gandarvakottai (tk), Near Thanjavur, Pudukkottai - 613303

National Conference on
Flourishing areas in Electrical and Electronics
Engineering



Online Mode
12.04.2021
10:00 a.m.



Dr. V. MOHAN
Professor & Head
Dept. of Electrical & Electronics Engineering
E.G.S. Pillay Engineering College
Nagapattinam – 611002

Organized by Dept. of EEE

ANNEXURE - V

Agenda



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

National Conference - NACOFEE'21

AGENDA

12.04.2021

VIRTUAL MODE	
10.00 A.M to 10.20 A.M (Inauguration)	Instruction to participants
	Welcome Address: Mr.S.R.KARTHIKEYAN, AP/EEE
	Inauguration Address: Dr.S.SIVAKUMAR - VICE PRINCIPAL
	Presidential Address: Dr.J.ARPUTHA VIJAYA SELVI -PRINCIPAL
	Chief Guest: Dr.V.MOHAN, Professor & Head, Dept. of EEE, E.G.S.Pillay Engineering College. Chief Guest Introduction: Dr. A. ALBERT MARTIN RUBAN - HOD/EEE
10.20 A.M to 10.45 A.M	Key Note Address by Chief Guest
10.45 A.M to 10.55 A.M	Vote of Thanks : Dr.P.NARASIMMAN, AP/EEE

ANNEXURE - VI

Youtube Link

IEEE MADRAS SECTION STB16621

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Punalkulam, Gandarvakottai (Tk), Near Thanjavur, Pudukkottai - 613303

**National Conference on
Flourishing areas in Electrical and Electronics
Engineering**

12.04.2021
Online Mode
10:00 a.m.

Dr. V. MOHAN
Professor & Head
Dept. of Electrical & Electronics Engineering
E.G.S. Pillay Engineering College
Nagapattinam - 611002

Organized by Dept. of EEE

1:09 / 19:46

NCON - Flourishing areas in Electrical and Electronics Engineering

108 views • Streamed live on 12 Apr 2021

👍 2 🗨️ 0 ➦ SHARE 📌 SAVE ...

KINGS
COLLEGE OF ENGINEERING

**National Conference on Flourishing areas in
Electrical and Electronics Engineering**

20th year of
Academic Excellence
SEEK*STRIVE*SUCCEED

Organized by Dept. of EEE

7:57 / 19:46

NCON - Flourishing areas in Electrical and Electronics Engineering

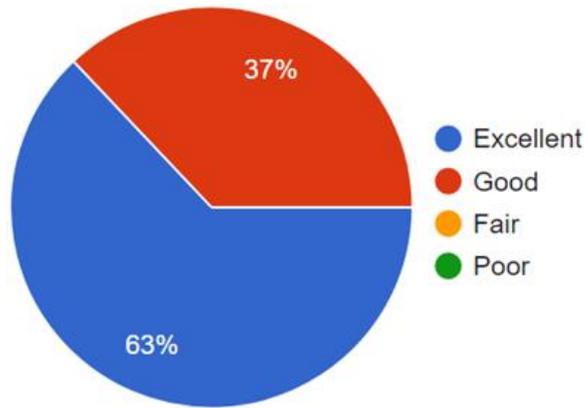
108 views • Streamed live on 12 Apr 2021

👍 2 🗨️ 0 ➦ SHARE 📌 SAVE ...

ANNEXURE - VII

Feedback from the Participants

Overall experience



Satisfaction for the following aspects of the event



ANNEXURE - VIII

Sample Certificate



NAAC Accredited Institution

Recognized Under 2(f) & 12(B) of UGC
(Approved by AICTE , New Delhi & Affiliated to Anna University , Chennai)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that
..... has presented a paper titled
.....in the
National Level Conference on **Flourishing Areas in Electrical and Electronics Engineering (NACOFEE'21)**
Organized by Department of Electrical and Electronics Engineering, Kings College of Engineering, Punalkulam,
Pudukkottai, Tamil Nadu , India on 12th April 2021.



ORGANIZING SECRETARY

ORGANIZING CHAIR

PRINCIPAL

