

Post Conference Report
of
**National Conference on Flourishing Areas in Electrical
and Electronics Engineering (NACOFEE'19)**

15th March 2019

Organized by
Department of Electrical & Electronics Engineering



An ISO 9001 Certified Institution
Punalkulam, Gandarvakottai Taluk,
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S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
1	EE01	A Novel Boost Switched Capacitor Multilevel Inverter Using APODPWM	Ms.P.Sivasankari, AP J.Bhuvaneshwari V.Keerthana S.Kiruthika A.Piragatheeswari UG Students	Anjalai Ammal Mahalingam Engineering College
2	EE02	A Transformer-Less Unified Power Quality Controller With Fast Dynamic Control*	Mrs.P.Kala, Asso Prof C.Ruvethiya, C.Priyanka, V.Surya UG Students	Star Lion College of Engineering And Technology
3	EE03	Energy Management System For Integrated Power System	Mr.S.Sakthivel, AP P.Ganesh Kumar R.Akash M.Suriya Prakash UG Students	Kings College of Engineering
4	EE04	F2WF System Using Automation Technology	Dr.A.Albert Martin Ruban, Asso Prof S.Shelaa K.Harini D.Kalaiyarasi	Kings College of Engineering
5	EE05	Automation In Precision Farming Using Encapsulated Seed and Monitor Through IoT Using Intelligence System with an Array of Sensors	Mr.S.Anbalagan, AP A.Mohamed Ameen R.Dinesh R.Pravesh R.Dinesh Babu UG Students	Anjalai Ammal Mahalingam Engineering College
6	EE06	Development of solar based Agribot Using Wireless Technology	Mr.S.Sakthivel, AP S.Dheerthi K.Divya N.Nalini UG Students	Kings College of Engineering
7	EE07	Performance Analysis of Two Tank Interacting Level System Using I-PD Controller	Prof.C.Ravikumar Prof.D.Sivakumar Prof.T.Sivakumari	A.V.C College of Engineering
8	EE08	Uninterrupted Power Supply By Using The Hybrid Sources	Mr.K.Santhosh Kumar, AP J.Keerthana P.Vinithkumar M.Megala K.Anitha, UG Students	Star Lion College of Engineering & Technology
9	EE09	Recognition of Vehicle and Control Using Raspberrypi and Image Processing	Ms.J.Sharmila Devi, AP V.Vijaya, K.Saravanakumar UG Students	A.V.C. College of Engineering
10	EE10	Wireless Power Transmission Using LPT Technology	Mr.C.Balaji, AP R.Baranika T.Akalya R.Shanthi, UG Students	Kings College of Engineering
11	EE11	A Solution For Customer Security in Indian Cabs with Arduino Microcontroller	K.Nithya R.Sindhu PG Students	Kings college of Engineering
12	EE12	Implementation of System for Minimizing Usage of Ground Water in Irrigation By Using Solar Power & Microcontroller	Mr.S.R.Karthikeyan, AP M.Veeramani B.Rohinth S.Mohanraj, UG Students	Kings College of Engineering

S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
13	EE13	High Step Up Interleaved Boost Converter For Distributed Generation Using Renewable And Alternative Power Sources	M.C.Sasidaran S.Sivith P.Thenmozhi K.Sushanthika UG Students	Star Lion College of Engineering & Technology
14	EE14	Border Defence System By Using Invisible Tanker In Battle Field	Mrs.N.Rajeswari, AP D.Dineshkumar P.Ramu D.Pradeepkumar T.Tamilshelvan UG Students	Kings College of Engineering
S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
15	EE15	Medical Monitoring Using Li-Fi Technology	Mrs.A.Prabha K.Muthumeena M.Brindha R.Kayalvizhi S.Sowmiya UG Students	Kings College of Engineering
16	EE16	Wireless Power Transmission	Ms.K.Sivaranjani, AP S.Ajith N.Arthi M.Nancy	Star Lion College of Engineering & Technology
17	EE17	A Twenty One Level Inverter With Reduced Number of Switches Using PV Renewable Energy Sources	Mr.J.Arokiaraj, AP V.Vinitha PG Student	Kings College of Engineering
18	EE18	Implementation of DC-DC Converter with High Frequency Transformer (DHFT) In AC/DC Microgrid	Mr.C.Balaji, AP K.Devika PG Student	Kings College of Engineering
19	EE19	Implementation of dc-dc converter For energy management system using wireless sensor network	Dr.A.Albert Martin Ruban, Asso Prof C.Sindhu, PG Student	Kings College of Engineering
20	EE20	Landslide Warning And Monitoring System Through Smartphone By Using Optimized Solar Powered Wireless Sensor Network	Dr.P.Avirajamanjula, Professor Tummalapenta Venkata Sivasai Maheshbabu Subodh Prasad Ibrahim Khaleel.P R.Pragadeesh UG Students	PRIST University
21	EE21	Aviation Accident Safety System Using Artificial Intelligence	Mr.J.Arokiaraj, AP T.Pratheesh R.Parthasarathi R.Sundar M.Sakthivel, UG Students	Kings College of Engineering
22	EE22	Efficient Wireless Communication System For Smart Grid Monitoring	Ms.E.Suganya, AP S.Prakash S.Sivakumar R.Eniyavam, UG Students	Kings College of Engineering
23	EE23	Design of Solar Tree	S.SivaRanjani S.Hari Haran A.Ganesh Kumar UG Students	Arasu Engineering College
24	EE24	Energy Management System For Intel Buildings Using Grid Connected Systems	Mrs.N.Rajeswari, AP J.Dhinesh R.Harishbabu N.Vibinraj K.Sandru, UG Students	Kings College of Engineering

S. NO.	PAPER ID	TITLE OF THE PAPER	NAME OF THE AUTHORS	NAME OF THE INSTITUTION
25	EE25	Inverter Interfaced Distributed Generation Units for Harmonic Distortion reduction in Micro grid Systems	Mrs.G.JayaBharathi, AP N.Meenakshi, UG Students	Anjalai Ammal Mahalingam Engineering College
26	EE26	Gesture recognition based smart Home automation support system For people with limited Communication	K.Karthik S.Saravana Kumar B.Shahul Hameed C.Jayashankar UG Students	Ponnaiyah Ramajayam College of Engineering and Technology
27	EE27	Transformer health condition Status monitoring and diagnosis Using IoT	B.Balamurugan M.Tharikushen S.Manoj S.Mohamedkipayathul la D.Hariharan UG Students	P.R. Engineering College
28	EE28	A Real Time Implementation of D-STATCOM for Reactive Power Compensation in Micro grid	Mr.M.R.Roosevelt K.Charanya, PG Student	Anjalai Ammal Mahalingam Engineering College
29	EE29	Real Time Sensor Data Transmission to IoT through Soil	M.Rajasekar V.Senthil kumar S.Sathish kumar J.Prince Joshua Gladson, UG Students	P.R. Engineering College
30	EE30	Design and analysis of REGENX generator	Dr.B.Kunjithapatham T.Hariharan, PG Student	P.R. Engineering College
31	EE31	Energy efficient street light Fault monitoring system using GSM network.	Dr.F.Ezhil Arasan S.Kumaran R.Prithvi R.Pragadeesh UG Students	PRIST University
32	EE32	Design and Fabrication of UMB Antenna For Brain tumour detection	T.Meenal K.Thenmozhi. K.Vennila UG Students	Shri Bharathi Engineering college for women.

External Batch: 19

Internal Batch: 14

The Department of Electrical and Electronics Engineering has organized the National conference on “Flourishing areas in Electrical and Electronics Engineering- (NACOFEE’19)”, Department of Electronics and Communication Engineering has organized the National Conference on “Emerging Trends in Electronics and Communication (NCETECE’19)” and the Department of Computer Science and Engineering has organized National Conference on “Emerging Trends in Advanced Computing Technology (NCETACT’19)” 15.03.19 in Chera Hall.

This conference is committed to become the preferred and common hub for the researchers, academicians, practicing Engineers, and industrialists to exhibit their new research findings. It seeks solutions for the research/industrial challenges/problems, and makes avenue to develop networking with hundreds of professionals in the field Electrical, Electronics, communication and computer Science.

The programme was started with Inaugural session by **10.00AM. Dr.J.Arputha Vijaya Selvi**, Principal has delivered the welcome address to the conference gatherings and honored the chief guests **Dr.S.Albert Alexander**, Asso Prof/EEE, Kongu Engineering College, Perundurai, **Dr.S.Krishnakumar**, Senior Technical Officer, DRDO and **Prof.Jennifer Bliss**, STEM Consultant, University of Jowa, USA. **Dr.S.Sivakumar**, Vice Principal and HOD (T&P), has felicitated the chief guest with memento as the token of honor.

The Chief Guests have released the conference proceedings to the gatherings of the conference and it was received by dignitaries of the dais.

Dr.R.Rajendran, Secretary, Kings College of Engineering has delivered the presidential address. He has explained the current scenario of Engineering Colleges and students education. He has registered his strong views about the scope of the conference. He said that this National conference will be a platform for Researchers, academicians and PG students to discuss about recent trends, Challenges and advancements related to engineering fields, which will create an opportunity to focus on specific areas from their own perspective and experiences in this field.

Mr.J.Arokiaraj, Assistant Professor/EEE and an organizing secretary of NACOFEE'19 has introduced the chief guest Dr.S.Albert Alexander. Dr S Albert Alexander is a Post Doctoral Research Fellow from Northeastern University, Boston, MA, USA. He is currently working as a Associate Professor in the Department of Electrical and Electronics Engineering, Kongu Engineering College, Perundurai, India. He is the Vice President of Energy Conservation Society. His area of interest includes neural network and Fuzzy logic Control of Power Converters, Solar Energy Conversion Systems and Smart Grid. He is the recognized Supervisor of Anna University (No.2530020) and Visvesvaraya Technological University (No.VTU09175314).

Dr.S.Albert Alexander has delivered the inaugural address and explained the importance of conference. Also he has explained about the recent trends, growth, future scope, ongoing projects and research in the field of Electrical and Electronics Engineering.

Dr.S.Albert Alexander has delivered the keynote address in Pallava hall to the participants of the NACOFEE'19 on the title” **Awareness Programme for Students of Internship Training Offered by Various Companies & Industries.**” He addressed that an internship is an opportunity offered by an employer to potential employees, called interns, to work at a firm for a fixed period of time. Interns are usually undergraduates or students, and most internships last between a month and three months. Internships are usually part-time if offered during a university semester and full-time if offered during the vacation periods. He mentioned the objective and advantages of doing internship. He also listed out that various companies which are frequently offered internship programme for fresher.

The research scholars, faculty and students from various Engineering colleges exhibited their views, thoughts and research in the areas of Electrical, Electronics and Communication Engineering. **Dr.S.Albert Alexander, Dr.A.Albert Martin Ruban and Mr.R.Sundaramoorthi** was the members of jury.

The valedictory function was arranged at Pallava Hall by 04.15PM. Delegates from the various institutions have registered their valuable feedback. The Certificates were distributed to the participants by the conference chair.

Mrs.A.Prabha, Assistant Professor/EEE has delivered the vote of thanks. On behalf of the management he expressed the sincere thanks to the Chief guest Dr.S.Albert Alexander, the Principal, the Vice principal, HOD-EEE, Conference chair, teaching and non teaching faculties, event management committee, PG & UG students, delegates from various Engineering colleges for their excellent co operation to make this conference a grant success. Finally the programme was ended with National anthem.



Dignitaries on the Dias



Welcome address given by Dr.J.Aruputha Vijiya Selvi, Principal



Lighting of Kuthu vilakku by the chief guest of NACOFEE'19-Dr.S.Albert Alexander, Asso.Prof/EEE, Kongu Engineering College, Perundurai.



Presidential address given by Dr.R.Rajendran, Secretary



Dr.S.Sivakumar Vice Principal honoring the chief guest of NACOFEE'19 with shawl memento



Presence of Dr.A.Albert Martin Ruban, and participants in chera Hall for Inaugural Function



Releasing of Proceedings of NACOFEE'19



Introduction of chief guest given by Mr.J.Arokiaraj, AP/EEE

MEMORIES OF NATIONAL CONFERENCE NACOFEE'19 – 15th MARCH 2019



Discussion with members of jury



Registering the valuable feedbacks of the delegates



Distribution of certificates