



GOVERNMENT COLLEGE OF ENGINEERING BARGUR – 635104

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY – CHENNAI)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

(NBA ACCREDITED)

NEWS LETTER(JUN 2019 -MAR 2021)



VISION:

To be a center of new ideas and innovations by providing quality education in the field of electrical and electronics engineering.

MISSION:

To provide an environment in which new ideas and research thrive and from which the leaders and innovators of tomorrow emerge.



PROGRAMME EDUCATIONAL

OBJECTIVES:

PEO 1.

Apply a broad, fundamental based knowledge and up-to-date skills required in performing analysis and synthesis in Electrical and Electronics Engineering.

PEO 2.

Design works pertaining to Electrical and Electronics Engineering using basics of circuits, incorporating the use of design standards, realistic constraints and consideration of the economic, environmental and social impact of the design.

PEO 3.

Use modern computer software tools to analyse and solve Electrical and Electronics Engineering problems and explain and defend their solutions and communicate effectively using graphic, verbal and written techniques to all audiences, and pursue lifelong learning and research.

PROGRAM OUTCOMES:

1. An ability to apply knowledge of mathematics, science and engineering,
2. An ability to design and conduct experiments, as well as analyse and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams, 5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively,
8. The broad education necessary to understand the impact of engineering solution in a global, economic, environmental and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues,
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Wireless Power Transfer (WPT), Wireless Power Transmission, Wireless Energy Transmission (WET)

- In a wireless power transmission system, a transmitter device, driven by electric power from a power source, generates a time-varying electromagnetic field, which transmits power across space to a receiver device, which extracts power from the field and supplies it to an electrical load.
- The technology of wireless power transmission can eliminate the use of the wires and batteries, thus increasing the mobility, convenience, and safety of an electronic device for all users. Wireless power transfer is useful to power electrical devices where interconnecting wires are inconvenient, hazardous, or are not possible.
- Wireless power techniques mainly fall into two categories, near field and far-field. In near field or non-radiative techniques, power is transferred over short distances by magnetic fields using inductive coupling between coils of wire, or by electric fields using capacitive coupling between metal electrodes.
- Inductive coupling is the most widely used wireless technology; its applications include charging handheld devices like phones and electric toothbrushes, RFIDtags, induction cooking, and wirelessly charging or continuous wireless power transfer in implantable medical devices like artificial cardiac pacemakers, or electric vehicles.

HEAD OF THE DEPARTMENT

Dr. NISHANTH KANVEL M.E., Ph.D

ASSISTANT PROFESSORS

Prof K.MOHAN M.E., Ph.D

Prof V.ARIVUMANI M.E

Dr I.THANGARAJU M.E., Ph.D., MISTE., MIEEE.,

ASSOCIATE PROFESSORS

Dr R.FRANCIS M.E., Ph.D

Dr V.ADHIMOORTHY M.E., Ph.D

Dr K.ASHOKAN M.E., Ph.D

GUEST LECTURES

Ms S.SUBHASHINI M.E

Mr S.PRAVEEN KUMAR M.E

Mr C.JOTHI BAS M.E

EDITORIAL BOARD

PATRON

Dr.W. Nishath Kanvel, M.E., Ph.D.,

CHIEF EDITOR

Prof . K.Mohan, M.E.,

Prof . V.Arivumani, M.E.,

ASSOCIATE EDITOR

Ms.A.Gobika Nandhini, IV Year EEE

Ms.U.Ishwarya, IV Year EEE

ACHIEVEMENTS

THE FOLLOWING STUDENTS PARTICIPATED IN DIFFERENT COMPETITION AND
CAME OUT WITH FLYING COLOURS

3rd YEAR:

P . Karthikeyan
V . Sampath
S . Venkatesan
G . Karthik
K . Gokul

V . Manoj kumar
N . Inzamam
R . Saravanan
S . Sathish

2nd YEAR:

R.Hamshini
D.Prabhavathi
S.Brindha
M.Nathiya

Leena Susan P Antony
K.S.Janani
A.Rathipriya
G.Varun

1st YEAR:

R.Sowmiya
A.Chithra
K.Kalaivani
M.Monisha

K.Sumathra
S.Rajitha
S.Gayathiri
T.R.Shivani

The organized events in our department are listed below:

**PONGAL CELEBRATION
REPUBLIC BAY
NATIONAL LEVEL TECHNICAL SYMPOSIUM
STUDENT ACTIVITY
WOMENS DAY
L&T TRAINING
SPORTS DAY
CORONA AWARENESS PROGRAMME**



N.Inzamam of 3rd year EEE attended an Implant Training at **JSW Steel Limited** Salem from 3rd to 8th June 2019.

Prof V.Arivumani attended a one week FDP, sponsored by TEQIP-III on "**Recent Developments in Energy Storage Technology**" at GCE Bargur from 13 to 19 June 2019.

P.Monika of 3rd EEE attended an implant training at **SYRMA Tech Private Ltd** Bargur from 17th to 21st June 2019.

TEQIP III Sponsored One-week FDP on "**National Assessment and Accreditation Council (NAAC)**" which was attended by Prof V.Arivumani at GCE Bargur from 24 to 28th June 2019.

TEQIP-III Sponsored Quality Improvement Programme on "**NAAC for Quality and Excellence in Higher Education**" conducted by NITTTR, Chennai which was completed by **Prof K.Mohan** from 24.06.2019 to 28.06.2019.

TEQIP III sponsored Student Training Programme in "**Micro Electro Mechanical Systems (MEMS)**" was organised by **Prof V.Arivumani** at GCE, Bargur from 1 to 7 July 2019.

TEQIP III sponsored Student Workshop in "**Internet Of Things (IOT)**" was organised by **Prof V.Arivumani** at GCE, Bargur from 10 to 16 July 2019.

TEQIP III sponsored three days student training programme on "**Electromagnetic Theory and its Applications**" was conducted by **Prof.I.Thangaraju** at GCE, Bargur from 12 to 14 July 2019.

One Week NPTEL AICTE FDP on "**DC Microgrid**" was completed by **Prof K.Mohan** from July to September 2019 with Elite.

One and Half Week NPTEL-AICTE FDP on "**Sensors and Actuators**" was completed by **Prof K.Mohan** from July-Oct 2019.

One and Half Week NPTEL-AICTE FDP on "**Integrated Waste Management for a Smart City**" was completed by **Prof K.Mohan** with Elite certification from July-October 2019.

One and Half Week NPTEL-AICTE FDP on "**Training of Trainers**" was completed by **Prof K.Mohan** with Elite Silver certification from July-October 2019.

R.Karthikraja of 3rd year EEE secured a 1st place in paper presentation on "**Hydrogen Powered Electric Vehicle**" dated 19th Sep 2019.

INDUSTRIAL VISIT



To gain the practical knowledge on “Power Plant Engineering” Our third year EEE students visited Pykara Hydro Electric power Plant , Ooty on 20th August 2019.

Second year EEE students visited Radiology centre , Ooty on 3rd October 2019 for the Industrial visit.





Our 2nd year EEE students attended the workshop about **“PYTHON PROGRAMMING”** at **IIT MADRAS** on Sept 21 2019.

SOCIETY OF ELECTRICAL AND ELECTRONICS ENGINEERING

The society of electrical and electronics engineering was held on 11th October 2019 by the final year EEE students to the warm welcome for the freshers and honoured the top three students scored in the required semester.

It was organised by the faculty of the final year EEE **Prof V.Arivumani., Assistant professor.,EEE.**



K.Sumathra, S.Shrimathi, M.Santhiya, R.Sujithra and A.Chithra of 2nd year EEE participated **workshop** on 19th and 20th Oct,2019 in **NIT,Trichy**.


R.Vishnu priya, P.Monika, M.Abdul Rahman, B.Priyanka devi, G.Salammal and K.Gokulapriya of 3rd year EEE participated **workshop** on 19th and 20th Oct,2019 in **NIT,Trichy**.

P.Karthikeyan of 3rd year EEE attended an **inplant training** on “**Embeded System**” 2nd to 7th Dec,2019 in **UNIQ TECHNOLOGIES, Coimbatore**.

M.Shalini, S.Sathish, R.Saravanan, V.Komathi, M.R.P.Rajkumar, C.Prasanth, V.Manoj kumar, M.Jayaprakash and U.Ishwarya of 3rd year EEE participated **inplant training** on 2nd to 16th Dec,2019 in **TALEME ELECTRONIC (INDIA) Pvt Ltd., Salem**.



The 3rd Year Students of EEE attended an **Inplant Training** at **ONGC** (Oil and Natural Gas Corporation) Karaikal from 2nd Dec to 27th Dec 2019.



P.Karthikeyan, V.Sampath & S.Venkatesan of 3rd year EEE attended a one week inplant training on **“Embedded Applications and Development”** at **UNIQ Technology**, Coimbatore from 2nd to 7th Dec 2019

K.Gokul, P.Karthikeyan & S.Venkatesan of 3rd year EEE attended the one week inplant training about **“INDUSTRY 4.0”** conducted by **TVS Training and Services Limited** at Chennai from 6th to 10th Jan 2020

PONGAL CELEBRATION


The Pongal celebration was conducted by our college administration which was held on **8th January 2020** in which various cultural programs were organised and our principal '**Dr.T.Alwarsamy**' was welcomed as chief guest and given motivational speech.



REPUBLIC DAY

The 71st republic day was celebrated on 26th January 2020 in front of college administration building and students were participated in march past and sports event certificates were distributed by our principal 'Dr.T.Alwarsamy'





P.Karthikeyan of 3rd year EEE secured a 2nd place in Paper Presentation on **“HYDROGEN FUEL CELL VEHICLE”** at **SNS College of Technology**, Coimbatore on 14th Feb 2020

P.Karthikeyan Of 3rd year EEE attended a workshop about **“ELECTRIC VEHICLES”** at **SNS College of Technology**, Coimbatore on 15th Feb 2020

P.KARTHIKEYAN
EEE 2nd year
attended a workshop
about “**DIGITAL
MARKETING**” at
IIT HYDERABAD
on 15th and 16th Feb
2020



NATIONAL LEVEL TECHNICAL SYMPOSIUM



The National Level Technical Symposium named ‘**ELECTRYONZ 9.0**’ was conducted at EEE department on **27th and 28th of February, 2020**. In this, we conducted various **Technical events and Non-technical events**, in which certificates and prizes were distributed by our honourable principal ‘**Dr.T.Alwarsamy**’.

CHIEF GUEST: Dr.Suresh Seetharaman Post doc fellow(ISU,USA)
Department of EEE
KIT, Coimbatore.



Our 3rd year EEE students presented a Demo model about **“HYBRID MODEL”** and **“WIND POWER PLANT MODEL”** on 27th Feb, 2020.

DEPARTMENT STUDENTS ACTIVITIES IN CLUB



EXHIBITION

First year EEE students were participated in exhibition which was held in Bangalore on 29th February 2020 under the reference of [Dr.P.Thirumal](#) ,APE/HOD

GO-GREEN CLUB

Go-green club (NSS) of our college has conducted various cleaning activities in our college and nearby villages and created awareness about cleanliness among them. Our department students actively participated in it. It was held on 29th February 2020 by second year EEE students.



INTERNATIONAL WOMEN'S DAY

The International Women's Day was conducted at college auditorium by third year girls of all departments which was held on 9th march, 2020 ; organised by **Dr.G.Saraswathy.,M.Sc.,Ph.D.,**in which various programs were conducted and prizes were distributed for the respective winners.



LARSEN & TOUBRO TRAINING

The 3rd year EEE students went to an L&T Training program which was held in coonoor training centre 13th to 15th March, 2020. The program was organised by **Prof.K.Mohan.**



CORONA AWARENESS PROGRAM

The corona awareness program was conducted in our department which was held on 29th April, 2020 organised by our college to bring awareness among the people and the necessity to wear masks and sanitizing the hands.



T.Sumithra of final year EEE participated in **International Virtual Conference** on 25th June,2020 at VIT, Vellore.

T.Sumithra of final year EEE attended a **webinar** (Modern trends in power system protection) on 19th and 20th June,2020 at P.A college of Engineering and Technology, Coimbatore.

T.Sumithra of final year EEE participated **Quiz competition** on 28th June,2020 at Gopalan college of Engineering and Management, Bangalore.

N.Inzamam of final year EEE attended a **webinar** (How to promote your idea and business) on 2nd to 5th July,2020 at Sona college of Technology, Salem.

K.Hemabharathi of final year EEE attended a **webinar** (Web development using Django) on 21st July,2020 at Government college of Engineering, Bargur.

A.Chithra of 2nd year EEE attended a **webinar** (Recent trends in Engineering for space and defence) on 21st July,2020 at Arulmurugan college of Engineering, Thenilai, Karur.

T.Sumithra and N.Inzamam of final year EEE attended a **webinar** on **Overcoming online ediction during COVID 19** 28th July,2020 at Government college of Engineering, Bargur.

V.DHARANYA
M.E., final year
secured a 2nd place
in speech elocution
conducted by
**“HOSUR AYIRA
VAISIYAR
SANGAM”** on 30th
Aug 2020



S.Senthilkumar, A.Gobika Nandhini, U.Ishwarya and V.Sampath of final year EEE attended a **30 days Master class** on Matlab Simulink from 23rd Nov to 22nd Dec,2020 at PANTECH PROLABS INDIA Pvt Ltd.,

G.H.Harishma of final year EEE attended **AI Master class** using Matlab from 18th Jan to 1st Feb,2021 at PANTECH PROLABS INDIA Pvt Ltd.,



The 72nd Republic Day was celebrated in a grant manner in front of our College administration building with the guidance of CSE HOD **Dr.J.NAFEESA BEGUM** on **26th Jan,2021**.



**THERE IS NO
ENGINEERING
WITHOUT
“EEE”**