



Department of Electrical and Electronics Engineering

E-SHOTS-18th EDITION

June 2019 to May 2020

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VISION OF THE DEPARTMENT

To make the Department of Electrical and Electronics Engineering of this Institution the unique of its kind in the field of Research and Development activities in this part of the world.

MISSION OF THE DEPARTMENT

To impart highly innovative and technical knowledge in the field of Electrical and Electronics Engineering to the urban and unreachable rural student folks through Total Quality Education.

ISRO'S NAVOIC GPS FOR ANDROID

SMART-PHONES :

Smart-phones running on new Qualcomm chipsets will be using Indian regional satellite navigation system NavoIC within the Indian region and neighboring countries.

This means when people will use their smart-phones to travel from point A to B anywhere in India, the receiver inside the phone will turn to the constellation of seven NavoIC satellites which will be sending radio signals to each other and then to the receiver allowing it to determine the location and time at any point.

"ISRO is satisfied with the efforts of Qualcomm towards incorporating NavoIC and we urge OEMs to leverage it for future

handset launches in India. The availability of NavoIC across multiple mobile platforms will help enhance the geo-location capabilities of smart-phones in the region and bring the benefits of this indigenous solution to Indian consumers for their day-to-day use," **Dr. K Sivan**, chairman, ISRO said in a press statement.

In addition to NavoIC, these chipsets will also support the widely used GNSS (Global Navigation Satellite System) which includes USA's GPS (global positioning system), European Union's Galileo, Russia's GLONASS

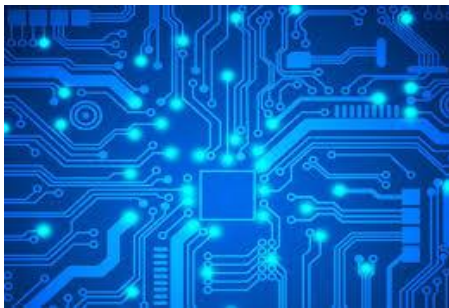
And China's Beidou Navigation Satellite System for global coverage.

Unlike the widely used GPS which includes 24 satellites, NavoIC has seven satellites and their range is within India and its adjoining regions extending up to 1,500km from the country's border.

Technically satellite systems with more satellites provide more accurate positioning information. However, GPS' 24 satellites provide coverage to the entire planet, whereas NavoIC's seven satellites



will only cover India and its adjoining countries. Which is why many believe that compared to GPS which has a position accuracy of 20-30 meters, the NavoIC will be able to pinpoint location to an estimated accuracy of under 20 meters. Also, NavoIC satellites are in geosynchronous orbits and are vertically positioned which makes them always visible to a receiver. Named after Indian fishermen and navigators, NavoIC will provide two types of services- the Standard Positioning Service (SPS), which is meant for the general public and Restricted Service (RS), which is an encrypted service meant for authorized users and agencies.



The new chipsets that will support NavoIC include Snapdragon 720G, 662 and 460. Aimed at mid and entry level smart-phones, the new chipsets support WiFi 6 and Bluetooth 5.1 along with faster 4G speeds.

According to reports, Xiaomi has showed keen interest in adopting NavoIC enabled chipsets in its smart-phones and

might use it in the next lineup of Redmi smart-phones.

Electrical engineering is an engineering discipline concerned with the study, design and application of equipment, devices and systems which use electricity, electronics, and electromagnetism. It emerged as an identifiable occupation in the latter half of the 19th century after commercialization of the electric telegraph, the telephone, and electrical power generation, distribution and use.

Electrical engineering is now divided into a wide range of fields including, computer engineering, power engineering, telecommunications, radio-frequency engineering, signal processing, instrumentation, and electronics. Many of these disciplines overlap with other engineering branches, spanning a huge number of specializations including hardware engineering, power electronics, electromagnetic and waves, microwave engineering, nanotechnology, electrochemistry, renewable energies, mechatronics and electrical materials science.

Electrical engineers typically hold a degree in electrical engineering or electronic engineering. Practicing engineers may have professional certification and be members of

a professional body or an international standards organization. These include the International Electro-technical Commission (IEC), the International Electro-technical Commission (IEEE) and the International Electro-technical Commission (ETC).



-B.R.Kerthiga-II EEE

ADVANCEMENT IN BATTERY TECHNOLOGY:

As we move from fossil fuel to E-vehicle we need to face some problems. They are battery capacity and fast charging.

Most of the E-vehicle today runs 150-250km per single charge. But this is not sufficient for long travel and charging is time consuming. To overcome this loophole we can use graphene.

Single layer of graphite is called graphene. It has high conductivity. Graphene is connected. This is efficient than lithium



The IEC prepares international standards for electrical engineering, developed through consensus, thanks to the work of 20,000 electro-technical experts, coming from 172 countries worldwide.

The Electrical engineers work in a very wide range of industries and the skills required are variable.

battery. But the cost is high. The economy of the vehicle can be improved by coupling generator by SHV Technology. Pollution due to charging is less than pollution caused due to conventional vehicle. One of the major problem is heating.



-P.Narayana Prabhu-II EEE

Guest Lecture delivered by faculty:

- **Mr.A.Karthikeyan** has delivered a topic about Generation, Transmission and Switchgear at Ramu Seetha Polytechnic College, Kariapatti on 17.07.2019.
- **Mr.D.Mariappan** has delivered a topic about FUTURA-2019 at Government Higher Secondary School, Chathirareddiapatti on 26.07.2019.
- **Dr.D.Prince Winston** has delivered a topic about Renewable Energy at Sowdambika College of Engineering, Aruppukottaion 16.08.2019.

- **Mr.D.Mariappan** has delivered a topic about Alternating Current at CKT Matriculation Higher Secondary School, Kovilpattion 31.08.2019.
- **Dr.S.Kalyani** has delivered a topic about Quality Education at Hero of India-JCI Fellow on 10.09.2019.
- **Mr.D.Mariappan** has delivered a topic about FUTURA-2019 at Gomathi Ammal Matriculation School, Sankaran Kovil on 07.09.2019.
- **Mr.D.Mariappan** has delivered a topic about Electromagnetic Field at CKT Matriculation Higher Secondary School, Ettayapuram.on14.09.2019.
- **Mr.D.Mariappan** has delivered a topic about Circuit Theory at SRNM Polytechnic College, Sattur on 24.09.2019.
- **Mr.D.Mariappan** has delivered atopic about FUTURA-2019 at Elayirampannai Nadar Magamai School, Elayirampannai on 07.09.2019.
- **Mr.D.Mariappan, AP/EEE** presented a guest lecture on Shortcut Method and Concept based learning in the subject of Physics in S.D Jain Hr. Sec School, Dimapur, Nagaland on 04.12.2019
- **Mr. D. Mariappan, AP/EEE** exhibited a guest lecture on the topic How to make learning the subject Physics easier and Interesting in Immanuel College, Dimapur, Nagaland on 07.12.2019
- **Mr.D.Mariappan, AP/EEE** has the presentation on Shortcut Method and Concept based learning in the subject of Physics at Vallal Sabapathy Matriculation School, Chennai on 10.12.2019
- **Mr. D. Mariappan, AP/EEE** exhibited a guest lecture on Stress Management Training at Police office, Thoothukudi on 13.12.2019
- **Mr. D.Mariappan, AP/EEE** presented a guest lecture on Stress Management Training in Sri SRNM Polytechnic College, Sattur.on24.12.2019.
- **Mr. D.Mariappan, AP/EEE** presented a guest lecture Shortcut Method and Concept based learning in the subject of Physics at Kshatriya Girls Hr. Sec School, Virudhunagar on 18.01.2020.
- **Dr.D.Prince Winston** has acted as a Jury member in seminar titled Electrical Vehicle Technology at V.S.V.N Polytechnic College, Virudhunagar on 31.01.2020.

- **Mrs.V.Chandra, AP /EEE** has acted as a Jury member in seminar titled Wireless Power Transmission, at V.S.V.N Polytechnic College, Virudhunagar on 31.01.2020.
- **Mr.D.Mariappan, AP/EEE** has delivered a topic Motivational Talk in Devangar Polytechnic College, Periyakulam, Theni on 08.02.2020
- **Dr. S.Kalyani, Prof / EEE, has delivered a topic** MATLAB and its tool boxes in Virudhunagar Hindu Nadars' Senthil kumara Nadar College, **Virudhunagar on 10.02.2020.**
- **Mr.D.Mariappan, AP/EEE** has delivered a topic Awareness about Higher Education in Sri Anda INachiyar Polytechnic College, Ettayapuram, **Tuticorin on 15.02.2020.**
- **Mr.D.Mariappan,AP/EEE** has delivered a topic Motivation Thoughts on Electrical Subjects in S.M.S Polytechnic College, **Sivakasai on 27.02.2020.**
- **Mr. A.KaruppaSamy, AP/EEE** has delivered a topic AI Applications in Electrical Engineering in Mohamed Sathak Engineering College, Kilakarai, **Ramanadhapuram on 29.02.2020.**

- **Dr. D.Prince Winston, Prof / EEE,** has delivered a topic Different Configurations of Electric Vehicles in IE (India) Workshop, Mechanical Department, **KCET on 04.02.2020.**
- **Dr. S.Rajesh Babu, AP/EEE** has delivered a topic Basic Electrical Engineering in Electric Vehicles in IE (India) Workshop, Mechanical Department, **KCET on 03.02.2020.**

RESEARCH PUBLICATION BY FACULTY MEMBERS

- **Dr.D.Prince Winston** has published titled a paper Efficient Output Power Enhancement and Protection Technique for Hot Spotted Solar Photovoltaic Modules on IEEE Transactions on Devices and Material Reliability on 15.09.2019.
- **B.GuruKarthik Babu, D.Prince Winston** have published titled a paper Enhancement of PV/T integrated single slope solar desalination still productivity using water film cooling and hybrid composite insulation on Environmental Science and Pollution Research – Springer

**RESEARCH AWARDS/
RECOGNITIONS RECEIVED BY
FACULTY:**

- **Mr.S.Rajesh Babu** has awarded as Best Engineering College Young Teacher by Society for Engineering Education enrichment (SEEE) on 20.07.2019.
- **Mr.O.Jeba Singh** has awarded as Doctor of Philosophy by Anna University, Chennai on 09.08.2019.
- **Mr.Muthu Manohar** has awarded as Doctor of Philosophy by Anna University, Chennai on 14.08.2019
- **Mr.S.Rajesh Babu, AP/EEE** received Doctor of Philosophy from Anna University, Chennai on 03.12.2019

EVENT ATTENDED BY FACULTY:

- **Dr.M.Sudalaimani, AP/EEE** has undergone Short term training Program on Machine learning and Deep learning for Real time Applications from National Institute of Technology, Warangal from 29.11.2019 to 08.12.2019
- **Ms.S.Vimala Devi, AP/EEE** has attended QIP Sponsored Short Term Course Power Electronic Converters: Operation and Control in Indian

Institute of Science, Bangalore from 02.12.2019 to 06.12.2019

- **Mr.M.Shanmugavel** has attended Skill Development Program in Ramco Institute of Technology, Rajapalyam on 06.12.2019
- **Mr.P.Muthukrishnan** attended Skill Development Program in Ramco Institute of Technology, Rajapalyam on 06.12.2019
- **Mr.A.Karuppa Samy** attended Five day National workshop on "Artificial Intelligence in Electrical Engineering Applications" in **National Institute of Technology, Puducherry, Karaikal** on 06.01.2020 -10.01.2020.
- **Dr.S.Kalyani** has completed online course on "Time Management" in NPTEL in the month of April 2020.
- **Dr.S.Kalyani** has completed online course on "The Joy of Teaching" in NPTEL in the month of April 2020.
- **Dr.Jeslin Drusila Nesamalar.J, AP/EEE** has completed online course on "Learning How to Learn" in Coursera in the month of April 2020.
- **Dr.Jeslin Drusila Nesamalar.J, AP/** online course on "Machine Learning Course" in Coursera in the month of April 2020.
- **Ms.R.Reenu, AP/EEE** has completed online course on

- “Automatic Control” in NPTEL in the month of April 2020.
- **Ms.R.Reenu, AP/EEE** has completed online course on “**NITTT Module 1 of AICTE**” in NPTEL in the month of April 2020.
 - **Mr.D.Mariappan, AP/EEE** has completed online course on “**Electric Vehicle Part-I**” in NPTEL in the month of April 2020.
 - **Dr.S.RajeshBabu, AP/EEE** has completed online Certification course on “**MATLAB ONRAMP**” through Math works in May 2020.
 - **Dr.S.RajeshBabu, AP/EEE** has completed online Certification course on “**Machine Learning ONRAMP**” through Mathworks in May 2020..
 - **Dr.Jeslin Drusila Nesamalar.J, AP/EEE** has completed online course on “**Learning How to Learn**” in Coursera in May 2020..
 - **Dr.Jeslin Drusila Nesamalar.J, AP/EEE** has completed online course on “**Machine Learning Course**” in Coursera in May 2020..
 - **Mrs.B.Noorul Hamitha, AP/EEE** has completed online certification course on “**Alternate Power Technologies**” organized by KPR Institute of Engineering and Technology, Coimbatore in May 2020.
 - **Mr. B. Guru KarthikBabu, AP/EEE** has completed online Certification course on “**MATLAB ONRAMP**” through **Math works** in May 2020.
 - **Mrs.C.Nagadevi, AP/EEE** has completed online **MATLAB course** on “**Deep Learning**” through Math works in May 2020.
 - **Mrs.C.Nagadevi, AP/EEE** has completed course on “**How to write and publish a scientific paper**” through Coursera in May 2020.
 - **Mr.T.Hari Prasath, AP/EEE** has completed online course on “**GREEN TECHNOLOGY**” by EDAPT in May 2020.
 - **Ms.R.Reenu, AP/EEE** has completed NPTEL Course on NITTT Module 1 of AICTE in May 2020.
 - **Ms.R.Reenu, AP/EEE** has completed NPTEL course on Automatic Control in May 2020.

EVENTS ORGANIZED

- **EVATAR 2K19 2.0** conducted by EEE -resource person **Mr.A.Sudarshan** Managing Director, Super Botics Multi Tech Pvt. Ltd, Virudhunagar on 07.08.2019.
- Guest Lecture on EE6702- Protection and Switch gear conducted by resource person **Dr.K.Pandiyarajan**, Principal,

Sasurie College of Engineering,
Vijayamangalam, Tirupur.

- **Alumnus Conclave – 2020**-resource persons 1. **Mr.PSankar, Executive** in Neomax Group Madurai. 2. **Mr.K.RathinaBalaji, Financial Freedom Coach**, STARSUN Money Harvest. 3.**Miss.R.V.Prathiba, Full time Research Scholar**, Thiagarajar College of Engineering on 14.01.2020.
- Guest Lecture on "**Higher Studies in Abroad**"-**Resource persons** Er.Gandhi Rajan Ramachandran & San Jose, CA on 21.01.2020.
- **Guest Lecture on "Renewable Energy Systems and Research Paper Writing"**- Resource person- **Dr. B.ChittiBabu**, IITDM, Kanchipuram on 25.01.2020.
- **Chart presentation contest** titled "Demonstration of any Home Appliances" (ISTE Student Chapter Event) on 25.02.2020.

ACHIEVEMENTS BY STAFF / STUDENTS:

- **Dr.D.Prince Winston, Professor/EEE** has published a paper "Performance improvement of solar PV array topologies during various partial shading conditions" Solar Energy – Elsevier Journal Volume 196, 15 January 2020, Pages 228-242

- **Mr.R.Ganesan, AP/EEE** has published a paper "A New Literature Review of Automatic Generation Control in Deregulated Environment", Scopus Indexed, International Journal of Scientific & Technology Research (ISSN 2277-8616) Volume 8, Issue 12, December 2019, Page No.: 2083 - 2089.
- **Mr. M. Pravin & Mr.A.G. Akash, III EEE** has got ISTE best Project award during inaugural function of 19th ISTE TN Section Annual Convention at PSG Institute of Technology and Applied Research, Coimbatore on 18th December, 2019.
- **Mr. R. Durai Babu & Ms. V. Rithi Andal Pooja, IV EEE** has got ISTE best Student award during inaugural function of 19th ISTE TN Section Annual Convention at PSG Institute of Technology and Applied Research, Coimbatore on 18th December.
- **Project proposal** submitted by a team of 7 IV year students under the guidance of **Mr.B.GuruKarthik Babu, AP/EEE** has been shortlisted in **Texas Innovation contest**. out of 18000 teams , 750 teams got selected, our team is one representing Kamaraj College.

- **Mr. M. Pravin, III EEE Mr. A. G. Akash, III EEE & Ms. V. Rithi Andal Pooja, IV EEE B have Submitted** a Project and got selected for the Grand Finale of Idea Spark 2019-2020 conducted by Centre for Social Innovation and Entrepreneurship (CSIE) at Indian Institute of Technology, Madras on 6th January 2020.
- **Shankar Ganesh.S, Surya.N and Abdul Rahim.M of III EEE** have participated and **Won I Prize in Quiz, II Prize in Circuit Debugging, II Prize in Treasure Hunt at Gyamitra-20 Technical Symposium at MEPCO Schlenk Engineering College** during 24.01.2020 and 25.01.2020
- **Gokulanarayanan.J and MugeshBabu.Gof III EEE** have participated and **Won I Prize in Circuit Debugging, II Prize in Googler** at Valiant 2020, Technical Symposium AAA College of Engineering and Technology on 31.01.2020
- II EEE students are gone Industrial visit to **Power Grid Corporation of India, Tirunelveli** on 10th January 2020.
- 4 students Participated **One day Ideation Camp** on Thiagarajar College of Engineering, Madurai organized by EDII-HUB-TCE-TNSI-2019 on 31.01.2020.
- **Dr.D.Prince Winston, Professor / EEE** has published a paper titled “Design of Sustainable PV Module for Efficient Power Generation during Faults” in IEEE Transactions on Components, Packaging and Manufacturing Technology, February 2020, Impact Factor: 1.86
- **Mr.A.Karuppa Samy, AP/EEE** has been shortlisted for **Science Academics Summer Research Fellowship Program – 2020** under the guidance of **Dr. Anuj Kumar, Central Building Research Institute (CBRI), Roorkee, Uttarakhand.**
- **Mr.V.Dhanasekaran of III EEE B** has presented his research work titled “Performance enhancement of single slope solar still by using fiber insulation” in the **International Conference on “Innovations in Thermo-Fluid Engineering and Sciences-2020”** held during **10-12 February, 2020 at NIT Rourkela, India.**
- **Mr. M. Pravin, III EEE B** acted as **Resource Person** in One day State

Level Workshop on “**MATLAB & its toolboxes**” at **Virudhunagar Hindu Nadars' Senthikumara Nadar College**, Virudhunagar on 10.02.2020

- **Gurudhachanamoorthy.M** of **III EEE B** has participated and **Won II Prize in Paper Presentation** at *ECHELON 2020*, Technical Symposium **K.L.N College of Engineering, Madurai** on 14.02.2020
- **Mr.S.Sankar Vinoth, III EEE A** won **Best performer grade in the National Level Space Science Competition** which was conducted by “**Go 4 Guru**” organization and got an opportunity to participate in International Space Science Competition (ISSC – 2020) which is to be held in **Kennedy Space Center, NASA, Florida, USA in the month of June 2020.**

OTHER ACHIEVEMENTS:

- **Mr.K.Ganesan, AP/EEE** has successfully Completed 2 Months Summer Fellowship (Research) at Indian Institute of Technology, Delhi on July 2019.
- **Mr.Pravin.M, of III EEE B** has successfully Completed 2 Months Summer Internship (Research) at

National Institute of Technology, Trichy on July 2019.

- **Mr.Anantha Balaji.A of III EEE A** has presented a paper in TNSCST Sponsored Two day International Conference on Applications of Mathematics in Science and Technology during 25th&26th July 2019 at AAA College of Engineering and Technology, Sivakasi.
- **Mr.Balamurugan.C and Mr.Mohamed Kalam.A** of IV EEE A has successfully completed a 15 days Internship on various IoT Tools and worked on Real Time IoT Applications based projects from July 15th to July 29th – 2019 at Sethu Institute of Technology, Kariapatti.
- **Mr.Gurudhachanamoorthy.M, Mr.Gokul.R and Mr.Manikandan.R,** of III EEE B have won II place in MCE PROJECT EXPO 2019 (TNSCST, Chennai & NCSTC New Delhi Sponsored) titled “ Fabrication of Multi-Junction Box for Enhancement of power in PV module” on 26th July, 2019 at Mangayarkarasi College of Engineering, Paravai, Madurai.

- **Mr.Duraibabu.R of IV EEE** has presented his research paper which has been awarded as **BEST RESEARCH PAPER PRESENTATION** in the “International conference on Innovative Research in science and technology (ICIRST-2019)” organized by Institute For Engineering Research and Publication on 30th-31st August 2019 at Madurai, India
- **Ms.Manisha.M and Ms. Rithi Andal Pooja.V of IV EEE** has presented her research paper titled **CAT SWARM OPTIMIZATION BASED SOLID STATE FAULT CURRENT LIMITER IN DISTRIBUTION SYSTEM** in the “International conference on Innovative Research in science and technology (ICIRST-2019)” organized by Institute For Engineering Research and Publication on 30th-31st August 2019 at Madurai, India
- **Mr.Mohammedvavakani.S, Mr.Shangar Ghanesh and S,Mr.Abdul Raheem.M of III EEE** has won II prize in **TECHNICAL QUIZ** in State level Technical Symposium GenNext2019 held on August 30,2019 at Velammal College of Engineering and Technology, Madurai.
- **Mr.Shangar Ghanesh.S, Mr.Abdul Raheem.M and Mr.Mohammed Vavakani of III EEE** has participated in **CIRCUIT DEBUGGING** in State Level Symposium Gen Next 2019 held on August 30, 2019 at Velammal College of Engineering and Technology, Madurai.
- **Mr.Guru Dachana Moorthy of III EEE B** has participated in **PAPER PRESENTATION** in state level technical symposium GenNext2019 held on August 30, 2019 at Velammal College of Engineering and Technology, Madurai.
- **Mr.Guru Dachana Moorthy, Mr.Abdul Raheem.M and ShangarGhanesh.S of III EEE** has participated in **Best Manager** in State level technical symposium GenNext2019 held on August 30, 2019 at Velammal College of Engineering and Technology, Madurai.
- **Mr.M.Guru Dhachana Moorthy of III EEE B** won I prize in **Paper Presentation** contest in **Compenec’19** (Sponsored by TNSCST)- a two days

national level technical symposium organized by computer science and engineering Association on 12th & 13th September, 2019 at National Engineering college, Kovilpatti.

- **Mr. B.Arunof 2015-2019** Batch who is national mission of cycle rally from Kanyakumari to Mumbai to create awareness of proper use and disposal of plastics.

- **III EEE** students are gone Industrial visit to Kundah Power Plant, Dodabetta Tea Factory, and Dev Solar Power Plant, Coimbatore on 02.08.2019 & 03.08.2019.

- **Dr.D.Prince Winston, Professor / EEE** has gone to IIT Delhi on 23.09.2019, to discuss the Project proposal titled “Design and Development of Hybrid Solar PV/T system for Effective Desalination of sludge water from RO plants” submitted to DST-SERB.

- **Dr.M.Sudalaimani, AP/EEE** has attended a Seminar Titled “E-Learning and MOOCS in Higher Education” at Anna University, Chennai on 14/09/2019.

- **4 Students from IV EEE** are attended Industrial Automation workshop organized by EIE

department, KCET from 12/09/2019 to 14/09/2019.

- **27 students from IV EEE** are applied for GATE 2020 Examinations.

- **Dr.D.Prince Winston, Professor/EEE** has submitted RPS proposal to AICTE - AQIS.

- **Dr.S.Kalyani, Professor & HoD / EEE, Mr.A.KaruppaSamy, AP/EEE & Ms.R.Reenu, AP/EEE** have submitted FDP proposal to AICTE - AQIS.

- NBA Compliance Report for extension of accreditation submitted on 07.12.2019.

- **Mr.A.Anandha Balaji**, III year EEE is selected represented Tamilnadu Contigent and participated to in the National Integration Camp at Dimapur, Nagaland from Dec 14th 2019. **Dr. D.Prince Winston, Prof / EEE, Dr. S.Kalyani, Prof & HoD / EEE, Mr. A.Arul kumar, AP/MTRE** have submitted proposal to TNSCST- “PROJECT RELATED GRANT” **2019-2020** titled “Design and Development of Power Enhancement and Fault Identification Techniques for the Rooftop Solar PV Power Plants in Tamilnadu” worth of Rs.9,16,000/-

- **PonKishon.V & Rajkumar.B** of **III EEE B** Participated in **Boot Camp TNSI - Presentation** on Thiagarajar College of Engineering, Madurai on 06-02-2020
- **Sree Vidhya Janani.J.K & Gurunandhini.S** of **III EEE A** attended the **All India Seminar on “Revolutions in Eco-friendly Vehicles”** organized by The Institution of Engineers (India) on 3rd& 4th February 2020 held at Kamaraj College of Engineering and Technology, Madurai.
- **Vijay Ramkumar.P & Sankar Vinoth.Sof** **III EEEA** participated in **TATA Cruise Competition** in **National Institute of Technology, Trichy** on 24.02.2020.
- Students of **III Year EEE (51 students)** participated in **One day Industrial Visit to Hindustan Heavy Electricals Pvt. Ltd., Coimbatore** on 19.02.2020.
- **Dr.J. Jeslin Drusila Nesamalar, AP/EEE** has published a Research Paper titled **“Cost effective energy consumption in a residential building by implementing demand side management in the presence of different classes of power loads”** in **Advances in Building Energy Research,** DOI: 10.1080/17512549.2020.1752799, May 2020.
- **Ms.P.Arunthathi, Ms.R.JothiPriya, Ms.K.Muthuchendu,** and **Ms.M.Pongeerthanaof IV EEE B** under the guidance of **Dr.D.Prince Winston, Professor/EEE** has published a Research Paper titled **“Development of SIMO DC-DC converter for PV application”** in **International Research Journal of Engineering and Technology,** Volume 7, Issue 5, May 2020.
- **Ms.S.Frieda Angelin, Ms.P.Hemamalini, Ms.V.Rithi Andal Pooja, and Ms.S.Dhivya Priya** of **IV EEE B** under the guidance of **Dr.D.Prince Winston, Professor/EEE** has published a Research Paper titled **"Design and development of high gain DC-DC boost converter for solar PV applications"** in **International Research Journal of Engineering and Technology,** Volume 7, Issue 5, May 2020.
- **Ms.A.K.Aparna Pooja, Ms.P.Bharathi, and Ms.B.Vaishali** of **IV EEE B** under the guidance of **Dr.Jeslin Drusila Nesamalar.J, AP/EEE** has published a Research Paper titled **“Four quadrant**

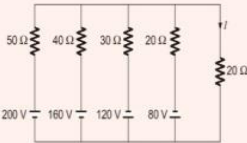
operation of DC motor remotely controlled by android applications" in International Research Journal of Engineering and Technology, Volume 7, Issue 5, May 2020.

ETHICAL QUOTES :

“The secret of change is to focus all of your energy, not on fighting the old but on building the new”.

GATE CORNER:

Q.32 Find the value of current I in the given circuit.



Ans. (0)

By Millman's theorem, $I = \frac{200 + 160 + 120 + 80}{\frac{1}{50} + \frac{1}{40} + \frac{1}{30} + \frac{1}{20}} = 0 \text{ A}$

Chief Editor:

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