

#### OUR VISION

To achieve overall excellence in education, by continuously upgrading the teaching learning process, and incorporating latest technological advancements happening worldwide with ethical responsibilities.

#### OUR MISSION

- To impart sound diversified technical competency and quality education for students to enhance the employability and ethical values.
- To provide conducive environment for faculty and students with excellent facilities to improve research activity.

#### PROGRAM EDUCATIONAL OBJECTIVES

1. Our graduate Engineers will have diversified professional competency in Electronics and Communication Engineering and allied technologies with good foundation in Mathematics and basic sciences.
2. Our graduates will possess lifelong learning process and augment their engineering skills for new challenges with sustainability.
3. Our graduates will have effective communication skills and work in Multidisciplinary team with critical thinking.
4. Our graduates will practice the profession with ethics, integrity, leadership and social responsibility.

#### PROGRAM OUTCOMES

1. To apply knowledge of mathematics, science and engineering appropriate to ECE discipline.

2. To formulate and analyze the complex engineering problems by using the principles of mathematics and engineering fundamentals.

3. To design and develop system (or) process to meet the desired needs within the realistic constraints of the societal and environmental considerations.

4. To investigate complex problems by conducting experiments, analyze interpret and synthesize the information to provide conclusions.

5. To select and use appropriate modern tools for solving complex engineering problems.

6. To apply reasoning knowledge for providing engineering solutions to societal needs with professional engineering practice.

7. To demonstrate the knowledge of engineering for providing environmental solutions and sustainable development.

8. To understand the ethical principles and professional responsibilities.

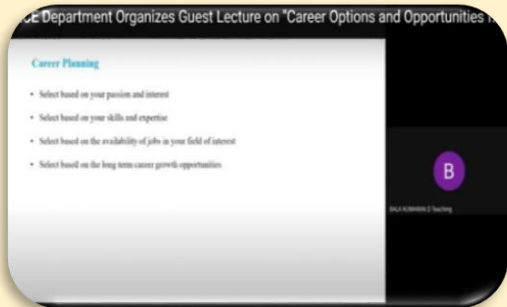
9. To function effectively as a member (or) a leader in multidisciplinary activity.

10. To deliver effective presentations and communicate at ease with the society.

11. To be successful member (or) leader in diverse teams with enhanced administrative skills and financial management.

12. To realize the need for lifelong learning and adopt themselves to technological changes.

**EVENTS ORGANISED BY ECE DEPARTMENT GUEST LECTURE**



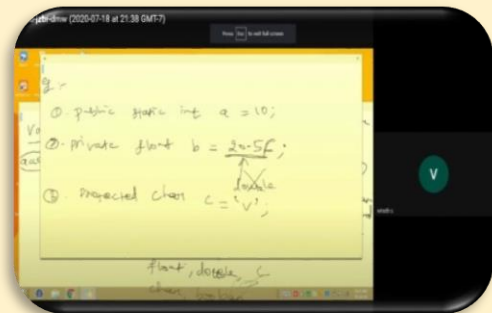
The Department of ECE organized an Expert Talk on **“CAREER OPTIONS AND OPPORTINITIES FOR ELECTRONICS GRADUATES”** for III year ECE students on 09.07.2020 in association with IETE, Guest Speaker of the event Mr.Renjith.C.V Product Design Engineer Philips India Pvt Ltd.



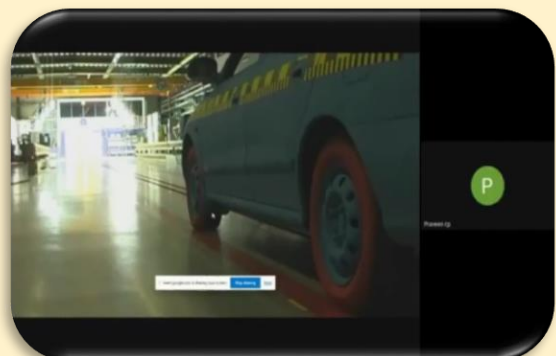
The Department of ECE organized a Expert Talk on **“IOT SYSTEMS AND ITS SMART APPLICATIONS”** for III year ECE students on 17.7.2020 in association with IETE , Guest Speaker of the event Mr.R.Kumaraswamy, HR & Technical Operations, Pantech Solutions.



The Department of ECE organized a Technical Training in **“OOPS CONCEPTS”** for II and III year ECE students on 19.7.2020 in association with IETE, Guest Speaker of the event Mr.Vinoth.S Co.Founder & CEO Silicon Software Services.



The Department of ECE organized a Guest Lecture on Expert Talk on **“PATH TO ENTREPRENEURSHIP”** for IV year ECE students on 17.08.2020 in association with IETE , Guest Speaker of the event



Mr.Sanjeev Senta (Alumnus)  
Co.Founder, Tekwissen ,USA .

01.09.2020 to 11.10.2020 for  
II and III year ECE students.



The Department of ECE organized an Expert Talk on **“AN APPROACH TO MULTIDISCIPLINARY SCIENTIFIC”** for II and III year ECE students on 03.10.2020 in association with IETE, Guest Speaker of the event Dr.R.Govindraj, Chief Scientist & Honorary Professor, CSIR.CEERI, CHENNAI.

The Department of ECE organized a Expert Talk on **“INDUSTRIAL INTERNET OF THINGS AND ITS ROLE IN MANUFACTURING INDUSTRY”** for II and III year ECE students on 13.10.2020 in association with IETE , Guest Speaker of the event Ms. Mr.C.P Praveen (Alumnus) Automation/IoT Engr.,Vlogix Pvt Ltd Chennai.

### **ADDED COURSES VALUE**

- Thirty days value added course on **“ROBOTICS AND AUTOMATION”** by Silicon Software Services during

### **CO.CURRICULAR ACTIVITIES**

- The Department of ECE conducted a Two days National level STTP (Phase . I) for Internal and External Faculty and Research Scholars on **“EMI / EMC COMPLIANCES – APPROACHES AND TECHNIQUES FOR PRODUCT DEVELOPMENT”** sponsored by AICTE on **16.11.2020 & 16.12.2020.**

- The Department of ECE conducted a Two days National level STTP (Phase . II) for Internal and External Faculty and Research Scholars on **“EMI / EMC COMPLIANCES – APPROACHES AND TECHNIQUES FOR PRODUCT DEVELOPMENT”** sponsored by AICTE on **25.11.2020 & 01.12.2020.**

### **FACULTY PARTICIPATION IN WORKSHOP/FDTP/GUEST LECTURE**

1. Dr.G.Kavya., Professor ECE, Attended one Week STTP on **“Long Range wireless area networks “.** Online from 07.12.2020 – 12.12.2020.

2. Dr. G. Kavya., Professor ECE, Attended 5 days FDP on **“Techniques in Research and Innovations”** Online from 05.07.2020 – 09.07.2020.
3. Dr. B.R. Tapas Babu., Professor ECE, Attended two days FDP on **“Tips and Tricks of research publication, paper filling and research grant”** Online from 10.06.2020 – 12.06.2020.
4. Dr. B.R. Tapas Babu., Professor ECE, Attended one Week FDP On **“Leading Industry 4.0 revolution”** Online from 01.06.2020 – 06.06.2020.
5. Dr. B.R. Tapas Babu., Professor ECE, Attended two days FDP on **“Mobile phone Design and android OS”** Online from 23.06.2020 - 24.06.2020.
6. Dr. C. Arunachalaperumal., Professor ECE, Attended one Week FDP On **“High performance intelligent real time embedded system design and Internet of Things to accelerate autonomous system”**, Online from 01.09.2020 – 07.09.2020.
7. Dr. C. Arunachalaperumal., Professor /ECE, Attended one Week FDP on **“Advances in wireless Technologies and Telecommunication”**. Online AICTE from 31.08.2020 – 05.09.2020 / 7 days.
8. Dr. C. Arunachalaperumal., Professor ECE, Attended Three days FDP on **“Bio Learning with ML and python”**. Online From 27.08.2020 – 29.08.2020.
9. Dr. C. Arunachalaperumal., Professor ECE, Attended Seven days FDP on **“Emerging trends in wireless sensor networks & applications”** – Online from 17.08.2020 – 22.08.2020.
10. Ms. Vanitha lakshmi., Assistant Professor ECE, Attended Three days FDP on **“Industrial IOT and connectivity using raspberry Pi”** – Online from 25.06.2020 – 27.06.2020 .
11. Ms. K.M. Dhanalakshmi., Assistant Professor ECE, Attended Three days FDP on **“The Future Technology stack – AI, ML and NLP”** from 08.06.2020 – 10.06.2020.
12. Ms. K.M. Dhanalakshmi., Assistant Professor ECE, Attended Three days FDP on **“Antenna and Microwave Engineering”** Online from 08.06.2020 – 13.06.2020.

13.Ms.Sreeja Vijay., Assistant Professor ECE, Attended Five days FDP on **“Recent trends in electronics and communication engineering”** Online from 08.06.20-12.06.20.

14.Ms.Sreeja Vijay., Assistant Professor ECE, Attended Three days FDP on **“Medical Signal and Image Analysis”** Online from 15.06.20-17.06.20.

15.Ms.Ramya.M., Assistant Professor ECE, Attended Seven days FDP on **“Advancements in manufacturing and optimization techniques”** (AMOT.2020) – Online 22.06.20-26.06.20.

16.Ms.Ramya.M., Assistant Professor ECE, Attended Seven days FDP on **“Research and development in wireless communication application using Netsim and matlab “**.Online from 23.11.20-28.11.20.

17.Ms.R.Ashwini., Assistant Professor ECE, Attended Seven days FDP on **“Long Range wireless area networks “**Online from 07.12.20-12.12.20.

18.Ms.R.Ashwini., Assistant Professor ECE, Attended Seven days FDP on **“TMWB44 – 10 Quick ways to optimize Microstrip Antenna Performance “** Online from 11.01.2021.

19.Mr.M.Bharaneedharan .,Assistant Professor /ECE, Attended Seven days FDP on **“Long Range wireless area networks”** – Online from 07.12.20-12.12.20.

20.Ms.M.Priscilla., Assistant Professor ECE, Attended Seven days FDP on **“Wearable devices”** – Online from .30.11.20-04.12.2020.

21.Ms.T.S.Valarmathi.,Assistant Professor ECE, Attended Six days FDP on **“Long Range wireless area networks”** – online from 07.12.20-12.12.20

22.Mr.Maria Rubiston., Assistant Professor ECE, Attended two weeks FDP on **“Zero.shot learning by convex combination of semantic embedding’s”** – Online from 02.11.20-15.11.20

### **PUBLICATIONS BY FACULTY IN NATIONAL/INTERNATIONAL CONFERENCE & JOURNALS**

- **Dr G. Kavya, Professor ,“Design and Fabrication of IoT Enabled Wheelchair cum Stretcher with Home Automation and Patient Monitoring System”** International Journal of Trend in Scientific Research and Development (IJTSRD) ,June 2020 GOOGLE



SCHOLAR Volume 4 Issue 4, June 2020  
Available Online: [www.ijtsrd.com](http://www.ijtsrd.com)  
e.ISSN: 2456 – 6470

- **Dr G. Kavya., Professor, "Design and Analysis of 2.4 GHz Low.Noise, High.Gain 0.18  $\mu$ m CMOS Cascode Low.Noise Amplifier for IRNSS Applications"** IETE Journal of Research, Published by Taylor & Francis,30 June 2020,Web of Science ,SCI expanded.Scopus DOI: 10.1080/03772063.2020.1782783,ISS N – 03772063

- **Dr Tapas Babu B. R ., Professor, "An Energy Efficient Expert System to Choose Cluster Head from Hybrid Clustering Ad Hoc & Sensor Wireless Networks",** Vol. 49, pp. 23–4,September 2020,SCIE Indexed.

- **Dr Tapas Babu B R, Professor, "Emerging Technologies in Engineering Research, Chapter 19 . CYBER SECURITY"** . Dec 2020 Technical Research Publications., ISBN: 978.93.5419.211.1 (Online).

- **Dr Tapas Babu B R., Professor, "An informative routing discovery analysis structure for the maximum flexibility using MANET application"** Journal of green engineering, Volume 10 issue 10, October 2020 Scopus Indexed.

- **Dr B R Tapas Babu., Professor, "Secure data storage using Erasure – coding in green cloud environment"** Journal of green engineering Volume 10 issue 10,October 2020 Scopus Indexed.

- **Dr B.R.Tapas Babu, Professor , "Performing Experimentation with Physics Model to Predict Statistical Weather Condition"** Journal of Physics: Conference Series **1712** (2020) 012026 IOP Publishing December 2020 **Scopus Indexed.** doi:10.1088/1742.6596/1712/1/012026.

- **Dr B.R.Tapas Babu, Professor, "Establishing self.healing and error correction in wireless sensor networks using honeypot database",** ICMECE 2020., IOP Conf. Series: Materials Science and Engineering **993** (2020) 012069,IOP Publishing, December 2020 **Scopus, Indexed.** DOI:10.1088/1757899X/993/1/012069

- **Dr B.R.Tapas Babu, Professor , "Energy Efficient Wireless Sensor Network to Enhance Network Security by Detecting Clone Nodes",** ICMECE 2020 IOP Conf. Series: Materials Science and Engineering **993** (2020) 012067,IOP Publishing, December 2020, **Scopus**

## **Indexed**

DOI:10.1088/1757899X/993/1/012067.

- **Dr.S.Suvitha, Associate Professor, “AGRITHOZHAN. Development Of Android Application For Smart Farming”** International Journal Of Trends In Scientific Research And Development, June 2020,GOOGLE SCHOLAR Issue.4, Vol..4,Issn: 2456.6470,June 2020
- **Dr.S.Suvitha., Associate Professor, ”Design of high gain LNA using 180nm CMOS for Wearable Devices “** International Journal for Research in Applied Science & Engineering Technology ,Sep 2020 **GOOGLE SCHOLAR DOI:10.22214**
- **K.M.Dhanalakshmi., Associate Professor, “Design of miniaturised microstrip patch antenna using slots** “ IRJET/ 2020 e.ISSN: 2395.0056 June 2020 **GOOGLE SCHOLAR** .,Volume No:07 Issue:06/june
- **K.M.Dhanalakshmi., Associate Professor, “Boat Localization And Warning System For Identification Of Border”,** IRJET/2020 e.ISSN: 2395.0056 June 2020,**GOOGLE SCHOLAR** Volume:7/Issue:6/e.ISSN: 2395.0056/June 2020
- **Ms.B.Menaka, Associate Professor, “Design of E.Shaped Dual.Band MIMO Antenna for 5G Smartphone Applications”** International Journal for Research in Applied Science & Engineering Technology, July 2020, **GOOGLE SCHOLAR, ISSN: 2321.9653.**Volume 8, Issue VII, July 2020
- **Ms.B.Menaka, Associate Professor, “Water management system using Dynamic IP based Embedded webserver in Real time** “International Journal for Research in Applied Science & Engineering Technology, Sep 2020 **GOOGLE SCHOLAR,ISSN: 2321.9653/** Volume 8, Issue IX, Sep 2020.
- **Ms. Sreeja vijay., Associate Professor,” Real time transformer health monitoring using IOT”,** International Journal for Research in Applied Science & Engineering Technology (IJRASET)., Sep 2020 **GOOGLE SCHOLAR, ISSN: 2321.9653; IC Value: 45.98; SJ Impact Factor: 7.429** Volume 8 Issue IX Sep 2020
- **P.Sasireka, Assistant Professor “A MIMO ANTENNA FOR 5G APPLICATIONS”** International Research Journal of Engineering and Technology (IRJET) ,June 2020,**GOOGLE SCHOLAR** e.ISSN: 2395.0056,Volume: 07 Issue: 06

| June 2020 www.irjet.net p.ISSN:  
2395.0072

,September 2020 .,Google Scholar  
e.ISSN: 2456 – 6470

- **M.Ramya., Assistant Professor,  
“Accident Avoidance using EEG Sensor”**

International Journal for Research in Applied  
Science & Engineering Technology (IJRASET),,  
June 2020 **GOOGLE SCHOLAR**, ISSN:  
2321.9653;http://doi.org/10.22214/ijraset.2  
020.6158;Volume 8 Issue VI June 2020.

- **Mrs. R.Aswini ., Assistant Professor  
, “Design Of Dual Band Mimo Antenna For  
Smart Phone Application Antenna FO”**

International Research Journal Of  
Engineering And  
Technology,June2020,Google Scholar  
Volume: 07/Issue: 06/June 2020.

- **M. Maria Rubiston., Assistant  
Professor”, Electric Smart Scooter”**

International Research journal of  
Engineering and Technology June  
2020, Google  
Scholar,06/07/e.ISSN:2395.0056/p.IS  
SN:2395.00726.

- **Mrs. M. Priscilla, Assistant  
Professor, “3D Body Scanning for  
Human Anthropometry”.**

International Journal of Trend in  
Scientific Research and  
Development (IJTSRD) Volume 4  
Issue 6, September.October 2020  
Available Online: www.ijtsrd.com



## **EDITORIAL BOARD**

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