

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.

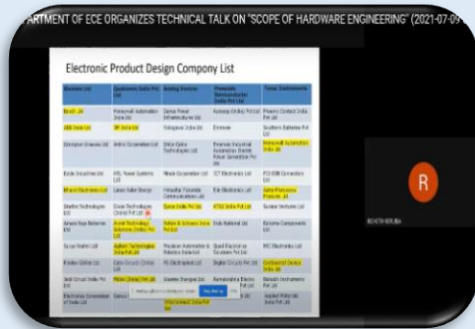
PROGRAM EDUCATIONAL OBJECTIVES

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

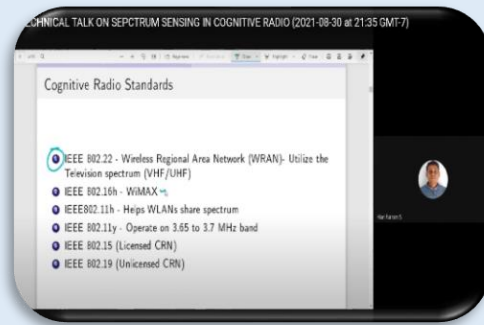
PROGRAM OUTCOMES

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 conducted a Expert Talk on **“SCOPE OF HARDWARE ENGINEERING”** on 10.7.2021 for IV year ECE students in association with IETE, Chief guest of the event Mr.N.Rohit, Hardware Design Engineer, Hubbel India, Chennai.



The Department of ECE organized an Expert talk on **“COGNITIVE RADIO - SPECTRUM SENSING”** on 3.9.2021 for IV year ECE students in association with IETE, the Chief guest of the event Dr.S.Hariharan , VIT- Vellore.

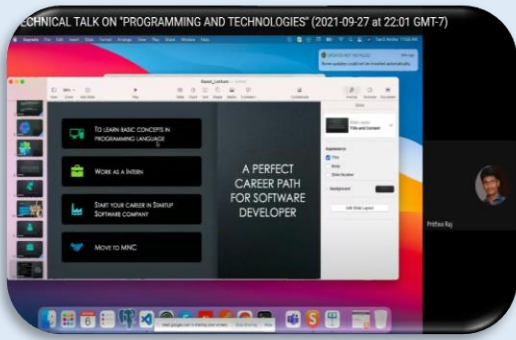


The Department of ECE organized a guest lecture on **“THE WORLD OF OPPORTUNITIES”** on 03.09.2021 for III year ECE students in association with IETE, the Chief Guest of the event Ms.R.Janani (Alumnus), Chair of content, Development team, IEEE YESIST122021



The Department of ECE organized a guest lecture on **“MATLAB for Engineers”** on 10.7.2021 for III year ECE students in association with IETE, the Chief Guest of the event Ms.Janhavi.D (Alumnus), Application Engineer, Math Works, Bangalore.

VALUE ADDED COURSES



The Department of ECE organized a guest lecture on **“PROGRAMMING AND TECHNOLOGIES”** on 28.09.2021 for II year ECE students in association with IETE, the Chief guest of the event Mr.V.Prithiviraj, Sr.Software Engineer ., Merit group ,chennai.



Six days value added course on **“ROBOTICS AND IOT”** by Silicon Software Services during 06.12.2022 to 21.12.2022 for II year ECE students.



The Department of ECE organized an Expert talk on **“DESIGN AND INNOVATION OPPURTUNITIES FOR STARTUP AND MSME “**on 9.10.2021 for II, III , IV year ECE students in association with IETE, the Chief guest of the event Mr.Jayakumar,Manager MaDeit.



Six Days Value Added Course On **“DATA STRUCTURE AND OOPS”** by Silicon Software Services during 08.12.2022 to 23.12.2022 for III year ECE students.

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

- Dr.G.Kavya.,Professor ECE, attended 7 days FDP on **“NAAC revised guidelines: A paradigm shift in quality initiatives”** – Online from 26.07.21-01.08.21.
- Dr.G.Kavya.,Professor ECE, attended 3 Days FDP on **“Embedded system design methodologies using INTEL FPGA”** – Online from 15.12.21 to 17.12.21 .
- Dr. Tapas Babu B R., Professor ECE attended 14 days FDP on **“A Blend of machine vision, cyber security, block chain and applications”** Online- from 5.8.21 to 18.8.21.
- Dr. Tapas Babu B R., Professor ECE attended WORKSHOP on **“Ethical hacking and cyber security”** - Online from 11.12.21 to 17.12.21.
- Dr.N.Anusha , Professor ECE ,Attended 5 days Workshop on **“Ethical hacking and cyber security”** - Online) on 11.12.21 to 17.12.21.
- Dr.N.Anusha , Professor ECE, Attended 3 days FDP on **“Citation management in scholarly writing – Tools and Techniques”** - Online from 24.09.21-26.09.21.
- Dr.Menaka , Professor ECE Attended, 3 days FDP on **“Citation management in scholarly writing – Tools and Techniques”** - Online from 24.09.21-26.09.21.
- Dr. S. Suvitha., Associate Professor ECE attended 5 days on FDP on **“D3 GUI Based FPGA Programming”**-online from 20.12.21 to 24.12.21
- Dr. S. Suvitha., Associate Professor ECE attended 5 days on FDP **“Advanced Electromagnetics and modern antenna design principles”** Online 6.12.21 to 10.12.21.
- Ms. K.M. Dhanalakshmi , Associate Professor ECE

Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design principles”** online on 6.12.21 to 10.12.21.

- Mr Pradeep .S , Associate Professor ECE ,Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design principles”** online on 6.12.21 to 10.12.21.
- Ms.Sasireka. P, Assistant Professor ECE., Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design principles”** online on 6.12.21 to 10.12.21.
- Ms.K.Mekala Devi ., Assistant Professor ECE, Attended 7 days FDP on **“AICTE-ISTE Approved Orientation program on Machine Learning in Bio-Med Engineering”** Online on 1.12.21 to 7.12.21.
- Mr. D. Balakumaran., Assistant Professor ECE, Attended 7 days FDP on **“AICTE-ISTE Approved**

Orientation program on Machine Learning in Bio-Med Engineering” (Online) on 1.12.21 to 7.12.21.

- Ms. Sreeja Vijay., Associate Professor ECE attended 7 Days FDP on **“Machine learning in Bio-Medical engineering”** – Online AICTE-ISTE 1.12.21 to 7.12.21.
- Ms. M. Ramya., Assistant Professor ECE, attended 5 Days FDP on **“RF Applications using RFSoc Devices”** – Online from 22.11.2021 to 26.11.2021.
- Ms. M. Ramya., Assistant Professor ECE, attended 5 days FDP on **“Inculcating universal human values in technical education”** Online-AICTE 06.12.21 to 10.12.21
- Ms.R.Aswini.,Assistant Professor ECE, attended 8 days FDP on **“AICTE-ISTE Approved Orientation program on Machine Learning in Bio-Med Engineering”** - Online from 1.12.21 to 7.12.21.
- Mr. D. Balakumaran., Assistant Professor ECE,

attended 5 days FDP on **“Inculcating universal human values in technical education”** Online- AICTE 22.12.21 TO 26.12.21

- Ms. Priscilla., Assistant Professor ECE, attended 5 days FDP on **“Inculcating universal human values in technical education”** Online- AICTE 08.11.21 TO 12.11.21
- Ms. Priscilla., Assistant Professor ECE, attended 7 Days FDP on **“Machine learning in Bio-Medical engineering”** – Online AICTE-ISTE 1.12.21 to 7.12.21.
- Mr.M.Maria Rubiston., Assistant Professor ECE, attended 7 Days FDP on **“Machine learning in Bio-Medical engineering”** – Online AICTE-ISTE 1.12.21 to 7.12.21.
- Mr.D.Prakash., Assistant Professor ECE, attended 6 days FDP **“Recent trends in 5G Technologies”** – Online 6.12.21 to 11.12.21.
- Mr.M.MariaRubiston.,Assistant Professor ECE attended 5 days Workshop on **“Artificial**

Intelligence and deep learning approaches for intelligent clinical support systems in healthcare” – Online ICMR 20.12.21 to 24.12.21.

- Ms.R.S.Vijayashanthi.,Assistant Professor ECE, attended 5 days FDP on **“Inculcating universal human values in technical education”** Online- AICTE 08.11.21 TO 12.11.21.
- Ms.R.S.Vijayashanthi., Assistant Professor ECE, attended 8 days FDP on AICTE-ISTE Approved Orientation program on **“Machine Learning in Bio-Med Engineering”** - Online from 1.12.21 to 7.12.21.
- Ms.D.Varalakshmi, Assistant Professor ECE., Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design principles”** online on 6.12.21 to 10.12.21.
- Ms. M Madhini, Assistant Professor ECE., Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design**

principles” online on 6.12.21 to 10.12.21.

- Ms. A. Pavithra, Assistant Professor ECE Attended 5 days FDP on **“Advanced Electromagnetics and modern antenna design principles”** online on 6.12.21 to 10.12.21.

PUBLICATIONS BY FACULTY IN NATIONAL/INTERNATIONAL CONFERENCE & JOURNALS

- **Dr G. Kavya.**, Professor **“Early Diagnosing and Identifying Tool for Specific Learning Disability using Decision Tree algorithm”** 2021 3RD International Conference on Inventive Research in Computing Applications (ICIRCA) / IEEE publisher 1/10/2021-SCOPUS INDEXED ,10.1109/ICIRCA51532.2021.9544617
- **Dr B.R. Tapas Babu .**, Professor **“An energy-efficient smart city for sustainable green tourism industry Sustainable Energy Technologies and Assessments”** /Elsevier

Publications 16.7.2021, SCIE SCOPUS INDEXED

<https://doi.org/10.1016/j.seta.2021.101494> ,ISSN: 2213-1388.

- **Dr B R Tapas Babu.**,Professor **“Smart Autonomous Car Parking for the Modern Vehicles”** Journal of Physics: Conference Series ICACSE 2020 IOP Publishing - 13/8/2021 **SCOPUS INDEXED** 1964 (2021) 042070, IOP Publishing, doi:10.1088/1742-6596/1964/4/042070
- **Dr B R Tapas Babu.**, Professor **“Synthesis of Images from SMRI through Extreme Integrand Unstable Learning”** ICACSE 2020, Journal of Physics: Conference Series IOP Publishing 13/8/2021 **SCOPUS INDEXED** 1964 (2021) 062107 doi:10.1088/1742-6596/1964/6/062107.
- **Dr B R Tapas Babu**, Professor **“Renewable Energy with IoT and Biomedical Applications Ch 1 - A Stable Architecture for IoT-Enabled Medical**

System Software-Defined”

Edge Computing 978-81-952585-4-3 (2021)

- **Dr S Suvitha .,** Associate Professor **“Implementation of VLSI Based Efficient Lossless EEG Compression Architecture using Verilog HDL”** Published under license by IOP Publishing Ltd , Journal of Physics: Conference Series, Volume 1964, Advances in Computational Electronics and Communication Engineering ,July 2021 SCOPUS INDEXED ,<https://doi.org/10.1088/1742-6596/1964/6/062048>.
- **Arunachalaperumal, S.Suvitha, M.Ramya,** **“Design of compact microstrip patch antenna at 28 GHz using Arlon Diclad 880 substrate for 5GWireless Communications”**, 2nd International Conference on Future Communication & Computing Technology (ICFCCT-21), 27- 28 October, 2021.

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