

#### 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 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. To enable graduates to pursue research or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.
2. To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.
3. To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

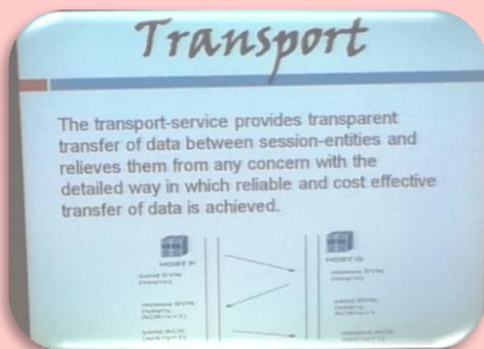
#### PROGRAM OUTCOMES

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.

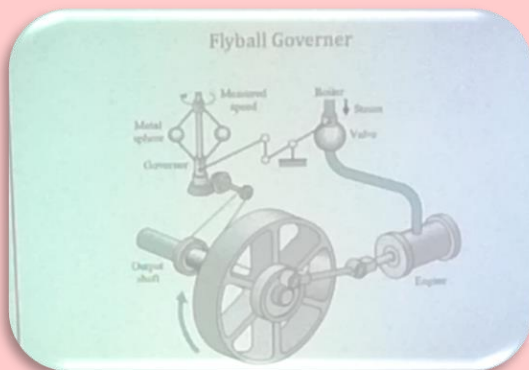
**11. To be successful member (or) leader in diverse teams with enhanced administrative skills and financial management.**

**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 a guest lecture on **“Communication Networks and its Applications”** on 14.06.2019 for III year ECE students in association with IETE, Chief guest of the event Mr.J.Tyson Immanuel,IBM, Chennai.



The Department of ECE organized a guest lecture on **“Control Systems and its Applications in Military**

**Services”** on 17.6.19 for II year ECE students in association with IETE, the Chief guest of the event Dr.Mathiazhaghan, Scientist D, Gun Control Division,CVRDE, Avadi.



The Department of ECE organized an Expert talk on **“Practical Applications of Circuit Design and Circuit Analysis”** on 24.06.2019 for II year ECE students in association with IETE, the Chief guest of the event Mr.Rajamanikam M.E, CEO Bits n Watts, Chennai .



The Department of ECE organized a guest lecture on **“Elements in improving principles of Quality Management”** on 04.07.2019 for III year ECE students in association with IETE, the Chief guest of the event

Mr.Siva Kannan, Team Lead, Accenture, Chennai.



The Department of ECE organized an Expert talk on **“Recent trends in Embedded System Technologies”** on 18.07.2019 for IV year ECE students in association with IETE, the Chief guest of the event Mr.Ahamed Khalid, VP and Business Head Imarticus Learning.

The Department of ECE organized an Expert talk on **“Understanding Python Programming”** on 19.07.2019 for IV year ECE students in association with IETE, the Chief guest of the event Mr. Vinoth Subramanian, Software Trainer, Silicon Software Services, Chennai.

The Department of ECE organized a guest lecture on **“Understanding Cloud Computing and its Services .”** on 20.09.19 for IV year ECE students in association with IETE, the Chief guest of the event Mr.Bright

Augustus, Senior Consultant, IT Reins, Chennai.



The Department of ECE organized a **“Alumni Interaction: Way to crack your interview”** on 31.07.19 for IV year ECE students in association with IETE, the Chief guest of the event Alumni Mr.Rohit (TCS), Ms.Lakshmi Jasmitha(TCS) (Batch:2015-2019).

Department of ECE organized a Workshop on **“IEEE Seminar cum R-Soft “was** conducted to IV year ECE students in association with IEEE photonics society On 29.10.19 to 31.10.2019.

Department of ECE organized a Workshop on AICTE sponsored six days STTP on **“Applied Mathematics And Scientific Computation For Engineered Approach** “was conducted to Faculty/Research Scholars from Universities, AICTE recognized Institutions On 04.11.19 to 09.11.2019.

## VALUE ADDED COURSES

- Two days value added course on **“Raspberry PI with Python Programming “** by Coovum Advanced Institute for science and engineering Research.CAISER” during 24.07.2019 to 25.07.2019 for II year ECE students.
- Five days value added course on **“JAVA Training”** by Silicon Software Services during 27.08.2019 to 28.09.2019, 20.09.2019 to 23.09.2019 for III year ECE students.
- Four days value added course on **“PYTHON Training”** by Silicon Software Services during 20.08.2019 to 23.08.2019 for IV year ECE students.

## FACULTY PARTICIPATION IN WORKSHOP/FDP/GUEST LECTURE

- Dr.C.Arunachalaperumal.,Professor ECE, attended 1 day **workshop on eSim a first course in the IoT Series for teachers** on 21.09.2019.
- Dr.C.Arunachalaperumal.,Professor ECE, attended 3 days IEEE Photonics Society sponsored Seminar cum

Workshop on **Frontiers in photonics and optical communication – SCWFPOC** 2019 from 24.09.19.26.09.19

- Dr. Dr.N.Anusha, Professor ECE attended 3 days FDP on **“A hands on Approach for the Design and Implementation of Deep Learning in Cloud”** from 13.11.19 . 15.11.19

- Ms.M.Vanithalakshmi, Associate Prof ECE,Attended 2 days Workshop on **“Robosarang, Saarang”** 2019 from 12.10.19 & 13.10.19

- Dr.Menaka,Associate Professor ECE Attended, 3 days FDP on **“A hands on Approach for the Design and Implementation of Deep Learning in Cloud”** from 13.11.19 . 15.11.19.

- Dr. S. Suvitha., Associate Prof ECE attended 6 days FDTP on **“Working culture for professionals”** from 11.11.19 – 16.11.19.

- Ms.K.M.Dhanalakshmi Associate Prof ECE attended 6 days FDTP on **“Working culture for professionals”** from 11.11.19 – 16.11.19.

- Mr.Pradeep.S, Associate Professor ECE,Attended 2 days Workshop on

**“Robosarang, Saarang “2019 from 12.10.19 & 13.10.19.**

- Mr.S.Dhilip Kumar, Assistant Professor ECE., attended 1 day workshop on **“eSim a first course in the IoT Series for teachers”** on 21.09.2019.

- Mr.S.Dhilip Kumar, Assistant Professor ECE., attended 1 day seminar on **“Artificial Intelligence, Automated driving and model based design using MATLAB & Simulink”** on 17.09.2019.

- Ms.P.Sasireka Assistant Professor ECE attended 6 days FDP on **“Working culture for professionals”** from 11.11.19 – 16.11.19.

- Ms.K.Mekala Devi ., Assistant Professor ECE, Attended 5 days FDP on **“Transmission Lines & RF Systems”** from 18.11.19 – 23.11.19.

- Mr.D. Balakumaran., Assistant Professor ECE, Attended 2 days workshop on **“FPGA design flow using Xilinx Vivado”** from 11.10.2019 & 12.10.2019.

- Ms Ms.V.Aruna., Assistant Prof ECE attended 5 Days AICTE & Anna University sponsored STTP

on **“CS8601 – Mobile Computing”** from 09.12.19 – 13.12.19

- Mr M.Bharaneedharan Assistant Professor ECE, attended 2 days workshop on **“Art of Writing Research Project “Proposal 21.11.19 to 22.11.19.**

- Ms T.S.Valarmathi., Assistant Professor ECE, attended 3 days FDP on **“Innovation & Entrepreneurship Development Programme”** from 17.10.19 to 19.10.19.

- Ms.Priscilla.,Assistant Professor ECE, attended 5 days FDP on **“Transmission Lines & RF Systems”** from 18.11.19 – 23.11.19.

- Mr.M.MariaRubiston.,Assistant Professor ECE, attended 5 Days AICTE & Anna University sponsored STTP on **“CS8601 – Mobile Computing”** from 09.12.19 – 13.12.19.

- Mr.D.Prakash.,Assistant Professor ECE, attended 2 days workshop on **“Art of Writing Research Project Proposal “** from 21.11.19 to 22.11.19.



- Mr.P.Dinesh Anton Raja., Assistant Professor ECE attended 10 days FDP on **“Digital Image Processing”** Online 12 weeks NPTEL course.

- Ms.D.Varalakshmi.,Assistant Professor ECE, attended 10 days FDP on **“Introduction to wireless and cellular communication”** Online 12 weeks NPTEL course .

- Ms.D.Varalakshmi, Assistant Professor/ECE., Attended 5 days FDP on **“Cybersecurity Infrastructure Configuration”** 26.11.19 to 30.11.19.

- Mr.S.Aravind,Assistant Professor ECE., Attended 5 days workshop on Certificate course on **“Effective Patent Search and and Drafting (PAT DRAFT – 2019)”** from 02.12.19 – 06.12.19.

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

- **Dr G. Kavya.**, Professor, **“Single Stage 180nm CMOS Low Noise Amplifier Topologies and Optimization Algorithms for S Band Frequency”** International Journal of Recent Technology and Engineering (IJRTE) **SCOPUS**

**INDEXED** ISSN: 2277.3878, Volume.8 Issue.3, September 2019

- **Dr G.Kavya.**, Professor, **“Literature Survey of Image Compression / Decompression Techniques for Space and Telehealth Applications”** Oxidation Communications 42, No 2, 151–159 (2019) **SCOPUS INDEXED** ISSN0209.4541.

- **Dr G.Kavya.**, Professor., **“A systematic Method for Hardware Software Code design using Vivado HLS”**, International Journal of Recent Technology and Engineering (IJRTE) – November2019, **SCOPUS INDEXED** Retrieval Number: D7008118419 /2019©BEIESP DOI:10.35940/ijrte.D7008.118419.

- **Dr G.Kavya.**, Professor., **“Multiobjective sub.linear frequent mining.based information prediction in biomedical datasets using big data analytics”**, Applied Mathematics and Information Sciences Appl. Math. Inf. Sci. 13, No. 6, 989.997 (May 2019) .

- **Dr C. Arunachalaperumal., Dhilipkumar.S.**, Professor., **“A Comparative Study of Resource**

**Allocation Schemes for D2D Networks Underlay Cellular Networks**", Wireless Personal Communications, SCI INDEXED June 2019.

- **Dr C.Arunachalaperumal.**, Professor ., **"Performance analysis of Ka band LNA for different topologies"**, 2019 11th International Conference on Advanced Computing (ICoAC). SCOPUS INDEXED, DOI: 10.1109/ICoAC48765.2019.247136.
- **Dr C. Arunachalaperumal.**, Professor ., **"An Efficient Image quality Enhancement using Wavelet transform"**, Proceedings of International Multi.conference on computing , communication, electrical & Nanotechnology 12CN.2K19 2214.7853 2019 Elsevier.
- **Dr C.Arunachalaperumal** ., Professor ., **"Smart toll collection system using ZIGBEE and RFID"**, Proceedings of International Multi.conference on computing , communication, electrical & Nanotechnology 12CN.2K19 2214.7853 2019 Elsevier.
- **Dr Tapas Babu B R.**, Professor **"Proportional cram on crooked crisscross for N hop systems"**, International Conference on emerging trends in Engineering (ICETE) vol 1 Advances in Decision Sciences, Image Processing, Security and Computer Vision pp 652.660, (2019) SCOPUS INDEXED.
- **Tapas Babu B R.**, Professor, **"Design of miniaturized directional ultra wide band antenna for cancer detection"**, International Journal of RF Technologies, vol. 10, no. 3.4, pp. 105.113, 2019, SCOPUS INDEXED .<https://doi.org/10.3233/RFT.190206>
- **Tapas Babu B.R** ., Professor **"Knowledge based discrete probability approach on gene regulatory network"**, Basic & Clinical Pharmacology & Toxicology Wiley Publications (2019), ANNEXURE I SCI SCOPUS INDEXED
- **Veeraselvam Aruna.**, Assistant Professor., **"Flexible and Beam Steerable Planar UWB Quasi. Yagi Antenna for WBAN"** IETE Journal of research Nov 2019 <https://doi.org/10.1080/03772063.2019.1694453> Web of Science (Thomson Reuters) SCOPUS

INDEXED (Elsevier)Science Citation  
Index Expanded (Thomson Reuters).



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