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FROM THE DESK OF THE HOD — ECE.

Dear Students, Colleagues, and Well-Wishers,

It gives me immense pleasure to address you through this annual newsletter of our beloved institution. The Department of Electronics & Communication Engineering has had an outstanding academic year in 2022–2023, and I am truly proud of every student, faculty member, and staff who has contributed to our collective success

This year, our department achieved remarkable milestones — from hackathons. Our placement record in ECE has been exceptional, with students placed in top-tier companies including cogent, Hexa ware, Tech Mahindra, Efftronics.



Dr. E. Govinda
Head of Department
Dept. of ECE
Ph.D | 20+ Years Experience



Guest lecture on ECA

The Department of Electronics and Communication Engineering (ECE), AIET, organized a **Guest Lecture on “Electronic Circuit Analysis”** for the **II B.Tech ECE students**. The session was delivered by **Mr. N. V. Maheswara Rao**, Department of ECE, **Gayatri Vidya Parishad College of Engineering for Women**.

The session was interactive and informative, with students actively participating and clarifying their doubts with the resource person.



The lecture provided an opportunity for students to enhance their technical knowledge and gain valuable insights from an experienced academic professional. The interactive nature of the session encouraged students to actively participate, ask questions, and clarify their doubts.

Overall, the guest lecture was informative and beneficial to the students. It helped strengthen their fundamental knowledge of **Electronic Circuit Analysis** and motivated them to develop a greater interest in electronics and its applications.

Start-ups and Entrepreneurship

A guest lecture on **“Start-ups and Entrepreneurship”** was organized for the students to create awareness about entrepreneurship, start-up opportunities, and the skills required to become successful entrepreneurs.



Smt. Sri Sudha, Assistant Developer, NRDC, was the resource person for the session. She shared valuable insights into the start-up ecosystem, idea development, innovation, and the various opportunities available for aspiring entrepreneurs. The session encouraged students to think creatively, identify problems, develop innovative solutions, and explore entrepreneurship as a career option.



The lecture was interactive and informative, and students actively participated in the session and clarified their doubts with the resource person.

Expert Talk

As part of the National Technical Event “SPARX,” the Department of Electronics and Communication Engineering organized an informative guest lecture on “Advancements in Electronics and Communication Engineering.” The session was delivered by Dr. J. Ravi Kumar, Professor, Department of Electronics and Communication Engineering, National Institute of Technology (NIT), Warangal. Dr. Ravi Kumar is an experienced academic and researcher whose areas of expertise include Signal Processing, Machine Learning Algorithms, and Edge AI. He has an extensive research profile with numerous journal and conference publications, book chapters, patents, projects, and experience in guiding research scholars.



During the lecture, Dr. J. Ravi Kumar provided students with valuable insights into the latest advancements and emerging technologies in Electronics and Communication Engineering. He discussed the evolving role of modern technologies such as intelligent signal processing, machine learning, and AI in the ECE domain. The session helped

students gain awareness of current technological trends, research opportunities, and future career prospects in Electronics and Communication Engineering.



Guest lecture on NA

A guest lecture on “Network Analysis” was conducted for the first-year ECE students. Mr. Ch. Venkata Rao, Assistant Professor, GVPE, delivered the lecture.



The session provided students with valuable insights into the fundamentals of network analysis.

Alumni Interaction Session

An **Alumni Interaction Session** was organized for the **III B.Tech ECE students** to provide them with valuable guidance and insights from an experienced alumnus. **Mr. Red Bullet, Man-**

ager, Indian Overseas Bank, Visakhapatnam, interacted with the students and shared his professional experiences and career journey.

The session focused on career opportunities, professional skills, workplace expectations, and the importance of developing communication and leadership abilities. The alumnus encouraged students to make effective use of their academic years, develop technical and soft skills, and prepare themselves for future career opportunities.



Student publications

M V Manikanta Sai Published Journal-Design And Analysis Of U Shape MSP Array Antenna For Satellite Applications Using CST.

N Manasa Published Journal-Design And Analysis Of Rectangular Patch Array Antenna Using HFSS.

Faculty publications

Dr . Ennam Govinda has Published International Journal Area Efficient Truncation and Rounding- Based Scalable Approximate Multiplier using KSA

Dr. Rayavarapu Prasad Rao has Published Journal Efficient Power Management and Delay Reduction in Positive Feedback Comparator Design

Dr .K .Ravi Kumar has Published International Journal Railway Track Crack and Object detection system using GSM & GPS

Mr.T.P.Naidu has Published Journal Design of Advanced Encryption Standard (AES) Algorithm for Secure Applications

Placements

Students placed in Top Tier Companies



Toppers

N Manasa Secured 8.47
T Pavani Secured 8.44
M Sai Lakshmi Secured 8.35

Editorial Board Members

Dr E Govinda, Hod of ECE
Dr R Prasada Rao ,Vice principal

Faculty Advisors

KVS Ganesh, Asst prof
G Sandhya, Asst prof
D Srinivasa Rao,Asst prof

Student members

Ch Kusuma latha,V Govardhan
B Tulasi