

Department of Electronics & Communication Engineering

Volume : 05

Issue : 01



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Department Highlights

- The department offers a variety of platforms for the students to take part in numerous technical festivals, sporting competitions, and cultural events.

ATAL FDP on “Artificial Intelligence Driven 5G/6G Networks”
21.11.2022 to 02.12.2022



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Student Achievements

- The department offers a variety of platforms for the students to take part in numerous technical festivals, sporting competitions, and cultural events. Our students took part in the following events and brought honour to our department.
- AKASH PASALA has won a Third prize in the event CIRCUIT DEBUGGING at National Level Technical Symposium conducted by S.A. ENGINEERING COLLEGE.
- R . VENKAT has participated in CIRCUIT DEBUGGING and PROJECT DISPLAY at National Level Technical Symposium conducted by S.A. ENGINEERING COLLEGE.

Faculty Achievements

- Dr. Selwin Mich Priyadharson.A has received a funded project “Artificial Intelligence and Remote Sensing Applications in Soil and Crop Management” of Rs 21,30,824 lakhs from ISRO.
- Dr. V. Koushik has published two patent with title “An Iot And Machine Learning Based Method Of Communicating A Digital Message With An Information Signal” , Method To Transfer Electronic Medical Information In Secure Cloud Environment Using Blockchain”.
- Dr.G.Sasikala has published a patent with title “The present discovery relates to a robust dataset for RF MEMS switch dimensions prediction using feed forward and back propagation neural network”.
- Mr. K.Sambath Kumar and Dr. B. Venkataramanaiah has published a patent with title “Real Time Virtual Heart Doctor (Rt Vh-doctor) System”.
- Dr. M. Anandan has published a patent with title “Mobile Streaming based Intelligent Broadcasting promotion Digital board for Marketing purposes”.
- Dr. Dasari Naga Vinod has published a patent with title “Cloud-Based Automated 3D- Lung Cancer Segmentation and Detection Model”.
- Dr.T.Kavitha has published a patent with title “ The present disclosure relates to a study UWB micro strip fed 4 element MIMO Antenna for 5G Applications”.



Club Activities

•The department have three technical clubs namely Advanced Communication Engineering club (ACE), Robotics club, Programming club, EWB club in which students are encouraged to participate in various technical events. The events conducted by the technical clubs listed below.



- **ACE Club** conducted a event “Non – Technical Quiz” with prelims on 12 October 2022 with 148 participants and mains on 23 November 2022 with 48 participants. The event was conducted to student community, so with the questions based on Governance, Social, Recent Trends, Sports and History.



Club Activities



- **ROBOTICS Club** conducted a event “ROBOTIX 2022” on 1-11-2020. One hour robotic design conducted for all UG students in winter semester. Robotic project titled “LINE FOLLOWR ROBOT” and “SMART HOME DELIVERY ROBOT” were awarded. It helps students to improve their analytical skills, efficiency and accuracy in building projects.



Club Activities



- **EWB Club** is to nurture and motivate students and professionals to undertake real life sustainable social projects and create Global Leaders. The Event on “Brain Strom Competition” was started on 01.11.2022 at 04.00 PM. The theme of this Event is to concentrate on Students interest in various research field. Since nowadays, advancements in sensing, mobile computing and server technologies completely changed the human's life style. Furthermore, it creates awareness, educate and train the faculty member and students to the amazing world of research.



Club Activities



- **PROGRAMMING Club** conducted a event “Python Coding Contest – II years” on 10-10-2022. Another event named “Python Coding Contest – III years” on 14-10-2022 It is a Python coding contest on Hacker rank platform. This contest is scheduled for only second-year and third year students in a view to spike their interest in this tool. This contest enhances the student’s interest in Python programming. The main contest was conducted through “Hacker Rank”, which is a browser-based authoring environment that can automatically grade student work and provide feedback.



International and Industry Internship

INDUSTRY INTERNSHIP

- VENKATA MEGHANA R, Vtu12608 and SYED AMMENA KOUSAR, Vtu15861 has completed their project with title “Generation of PWM Signals Using Altair Embed” at Combat Vehicles Research & Development (CVRDE), Avadi, Chennai.
- ANISH SAI KHANDE, Vtu15332 and MADAKA KARTHIK, Vtu13636 has completed their project with title “Electronic Commutated of BLDC in Electric Vechice Using Matlab/Simulink ” at Combat Vehicles Research & Development (CVRDE), Avadi, Chennai.
- SRUTHI P, Vtu15911 has completed their project with title “Digitization Of Coriolis Vibratory Gyroscope” at DRDO, Hyderabad.

ABROAD INTERNSHIP

- PALIVELA VENKATA NAGA RAVI TEJA, Vtu12958 has completed their project with title “RSMA-enabled THz HAPS Communications using Ultra-massive MIMO Antennas” at Carleton University, Canada.
- ISSAC KONDREDDY, Vtu14974 has completed their project with title “A metaheuristic Algorithm for Breast Cancer Classification and Diagnosis” at Thompson Rivers University, Canada.
- SHAIK SHAMEER, Vtu15759 has completed their project with title “New face masks with MEMS microchannel filters” at Tamkang University, Taiwan.
- VELICHETTI SRAVAN KUMAR, Vtu13226, PATHI MANASWINI, Vtu12721 and SRILEKHA YEDDULA, Vtu16010 has completed their project with title “Prior Detection of self-driving cars using software reliability” at Chang Gung University, Taiwan.
- RAJAN KUMAR, Vtu16223 and NAGA SIVA KUMAR, Vtu15523 has completed their project with title “Wavelet - Neural Networks for Embedded Image Recognition Application” at National Changhua University of Education, Taiwan.
- PALLA AMARNATH, Vtu15150 has completed his project with title “Third Generation of Semiconductor” at National Chin Yi University of Technology, Taiwan.
- SUNKARI MULA VISHNU VEERANJAN, Vtu13831 has completed his project with title “Reversible data hiding based on interpolation techniques” at National Chin Yi University of Technology, Taiwan.

Professional Bodies

- IEEE Sponsored **One week FDP on Computational Intelligence – Algorithms and Implementation** during 26 Dec 2022 – 31 Dec 2022.
- Totally 43 participants from reputed institutions participated in the event.
- This FDP constitutes sessions on the fundamentals of Artificial Intelligence, Machine learning, Deep Learning and fundamentals of Data Science using Python, AI and ML using python.



- IEEE student branch of Vel Tech and IEEE Signal Processing Society Student Branch Chapter jointly organized a **Distinguished Visitors Program (DVP) talk on “Advances in Intelligent Systems and Smart Applications”** in ECE Gallery Hall on 10.10.2022 with 175 attendees.
- The speaker discussed the various roles of Artificial Intelligence in areas of Smart Home, Smart City, Smart Agriculture and Smart Healthcare in building Intelligent Systems.
- The participants were encouraged by conducting a mini-ICT quiz with a spot cash prize.



Professional Bodies

- IEEE Signal Processing Student Branch Chapter of ECE Department conducted an event called “**Technical Poster Design Contest**” on 17.09.2022 from 2:00 PM to 4:45 PM.
- Best posters with good technical information were rewarded after judgement by the panel members.
- The various themes displayed for the participants are: Artificial Intelligence in Health Care, Smart Drones , Signal Processing for 5G Communication, Autonomous vehicles, e-Waste Management.



- IEEE Signal Processing Student Branch Chapter of ECE Department conducted an event called “**Tech-Talk**” held on 14.09.2022 from 2:45 PM to 4:45 PM.
- The participants were given 10-15 minutes of duration to prepare on their selected topic.
- The topics given during the event are listed as follows: Evolution of Transistors, Information Technology in Communication, SONAR, RADAR, Medical Electronics Application, Bluetooth Technology, Nano Technology in Electronics, WIFI Technology, 3D IC's, Smart Antennas.



Placements



- 10 students have been placed in DXC Technologies with 4 LPA.
- 2 students have been placed in TCS Digital with 7 LPA.
- 34 students have been placed in TCS NINJA with 4 LPA.
- 2 students have been placed in Cognizant with 4 LPA with skill bonus.
- 88 students have been placed in Cognizant with 4 LPA.
- 47 students have been placed in Accenture with 4.5 LPA.
- 7 students have been placed in LTI with 4 LPA.
- 1 student has been placed in Aptean with 5.5 LPA.
- 2 student have been placed in Sasken Technologies with 5 LPA.



Placements



- 7 students have been placed in Embitel Technologies with 5 LPA.
- 7 students have been placed in Open Text with 9 LPA.
- 1 student has been placed in Odessa Technologies with 7.5 LPA.
- 7 students have been placed in Kaar Technologies with 6.5 LPA.
- 1 student has been placed in Ignitarium Technologies with 5 LPA.
- 58 student have been placed in Capegemini where 1 student placed with 7.5 LPA and 57 under 4.25 LPA.
- 5 students where each of them are placed in M/s. MountBlue Technologies with 4 LPA, Microchip with 10 LPA, ThoughtClan Technologies with 6 LPA, M/s. Sirius with 5 LPA and M/s. Hundai Motors with 7.87 LPA respectively.
- 5 students have been placed in AUTOMATIVE ROBOTICS with 3 LPA.
- 1 student has been placed in M/s. Data patterns with 4.2 LPA.



Placements



Nihilent
evolving ideas



- 3 students have been placed in M/s. Nihilent with 4 LPA.
- 5 students have been placed in M/s. CGI with 3.93 LPA.
- 5 student have been placed in TATA ELXSI with 5 LPA.
- 1 students has been placed in M/s. Blue Binaries with 1 LPA.
- 7 student have been placed in Virtusa with 5.5 LPA.
- 3 students have been placed in CTS with 4 LPA and 6.75 LPA.
- 1 student has been placed in Acies Global with 5 LPA.
- 1 student has been placed in Infosys with 3.6 LPA.
- 1 student has been placed in Mu Sigma with 5 LPA.
- 2 students have been placed in Infosys with 7.25 LPA.
- 1 student has been placed in Walmart with 8.14 LPA.



Mu Sigma
DO THE MATH



ACIES



Walmart 



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

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